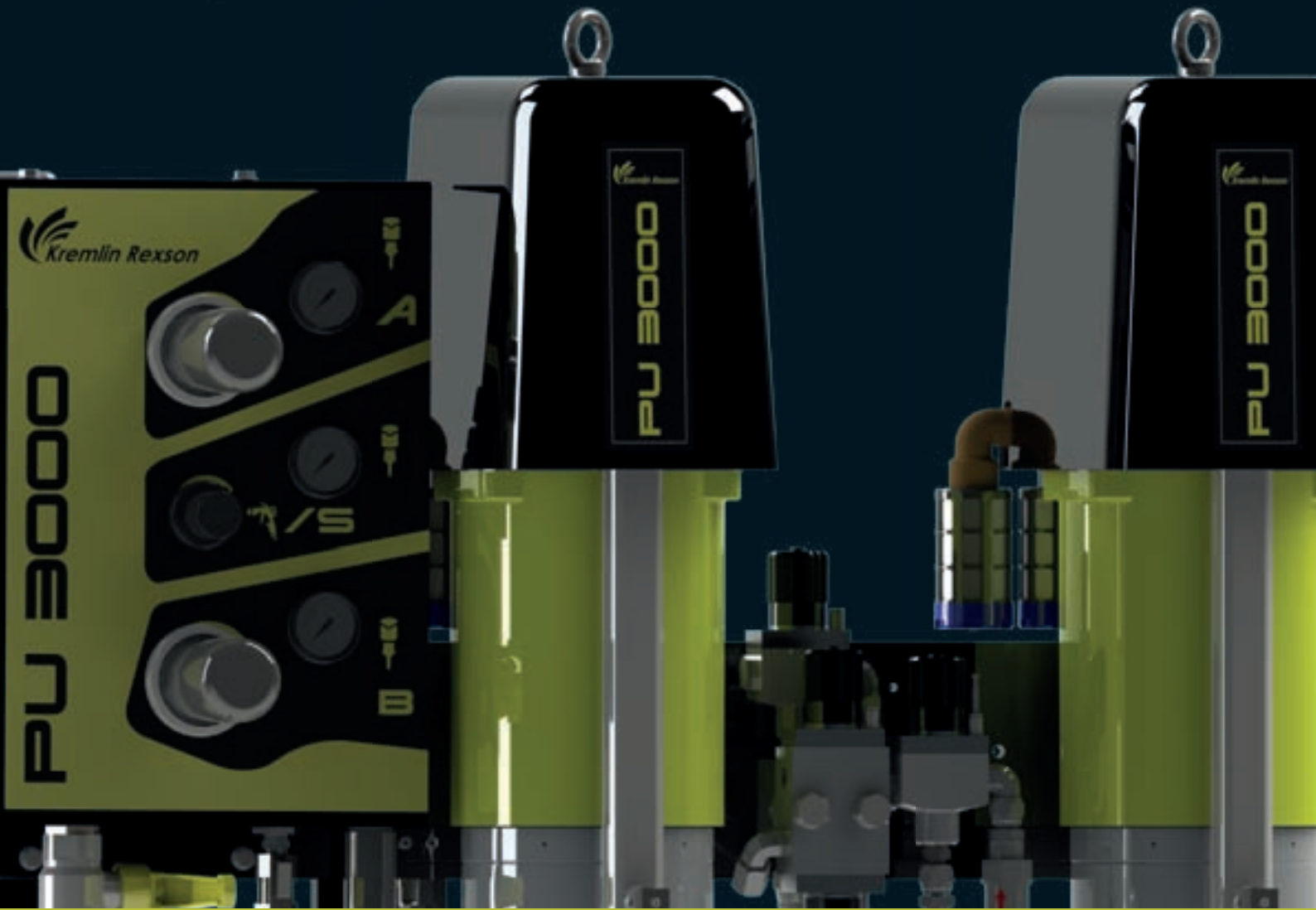
Kremlin Rexson

General Catalogue

Fluid materials



Experts in Finishing and Dispensing Solutions

V. 01

Kremlin Rexson

www.kremlin-rexson.com

EDITORIAL

Over the past 85 years, Kremlin Rexson have been working in the finishing and dispensing business, offering a wide range of equipment to industrial markets globally.

Those equipment are designed with two objectives :

- to continuously innovate and adapt to all new coatings arriving on the market (water-based, high solids, new generation adhesives...)

- to reduce operating costs by increasing tranfert efficiency while minimizing maintenance.

All our equipment are compliant with existing regulations and their performances help reduce VOC (Volatil Organic Compounds).

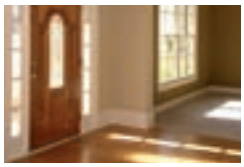
This general guide will let you discover our full range of equipment for liquid materials and help you to select the best possible equipment for your particular application.

For additional infomation, please consult our website
www.kremlin-rexson.com

OUR MARKETS DESCRIPTION

FURNITURE
All manual or automatic process furniture finish: varnishes, lacquers, waxes, stains
Single or bi-component electrostatic applications
Elements single or bi-component bonding sprayed or extruded.

KITCHENS AND BATHROOMS
All manual or automatic process furniture finish: varnishes, lacquers, waxes, stains
Single or bi-component electrostatic applications
Elements single or bi-component sprayed or extruded bonding.
Moving parts lubricating



WINDOWS AND DOORS
All process finishing: varnishes, lacquers, waxes, single or bi-component stains.
Elements single or bi-component sprayed or extruded bonding.

AERONAUTIC
Single, bi or tri-components, electrostatic applications.
Structural finishing and solutions. Composites structural sealing and bonding.
Component protection and finishing.
Non destructive testing.

ROLLING EQUIPMENT
Single or bi-component sealing, protection and finishing of agricultural machinery, railways, buses, building equipment.
Structural single and bi-component bonding (sandwich panels, windscreens, body...).

CYCLES AND MOTORCYCLES
Manual or automatic single or bi-component cycles and motorcycles finishing.
Conventional and electrostatic applications.
Moving parts lubricating.

APPLIANCES
Finishing, bonding and lubrication of appliances:
washing machines, stoves, refrigerators.

SPORTING AND CONSUMER GOODS
Single or bi-component bonding and finishing of consumer, leisure and sporting goods.

CONSTRUCTION EQUIPMENT
Medium or high pressure single or bi-component application for building components such as steel frames, cranes.

MACHINE TOOLS

Single or bi-component machine tools and component protection et finishing.
Manual, automatic and electrostatic applications.

RENEWABLES ENERGIES (WIND/SOLAR)

Infusion, bonding, protection and finishing of wind turbines and solar panels.
Single or bi-component paints, gel-coats, resins and adhesives applications.
Moving parts lubricating.

EXTERIOR AUTOMOTIVE PLASTIC COMPONENTS

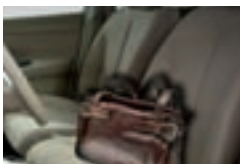
Complete solutions for paint application on plastics.
Electrostatic paints robotic line integration.
Single or bi-component application, electrostatic applications.
Paint distribution. Moving parts lubricating.

INTERIOR AUTOMOTIVE PLASTIC COMPONENTS

Complete solutions for paint and soft touch application on plastics.
Electrostatic paints robotic line integration.
Single or bi-component application, electrostatic applications.

PLASTIC INDUSTRY

Single or bi-component electrical or electronic component finishing.
Manual or automatic electrostatic applications.



LEATHER

Manual or automatic stains and varnishes applications.
Manual and automatic leather and foam bonding.

GLASS COATING

Decoration and finishing of flagrance bottles, decorative elements.
Manual or automatic applications.

DRUMS AND CONTAINERS

Finishing protection et reconditioning of drums and containers, gas bottles, ... : solvent or water-based manual or automatic applications.
Manual, automatic or electrostatic applications.

DISCOVER IN THE FOLLOWING PAGES WHAT MARKET WE RECOMMEND FOR EACH EQUIPMENT

ATEX DIRECTIVE (POTENTIALLY EXPLOSIVE ATMOSPHERE)

All KREMLIN REXSON equipment to be used in potentially explosive atmospheres are compliant with 94/9/CE Directive
ATEX 94/9/CE Directive (For manufacturers) : This directive defines essential requirements for security: take into account security against explosion during design, display the CE marking, establish a CE conformity declaration, supply an instruction manual.

PAINTS

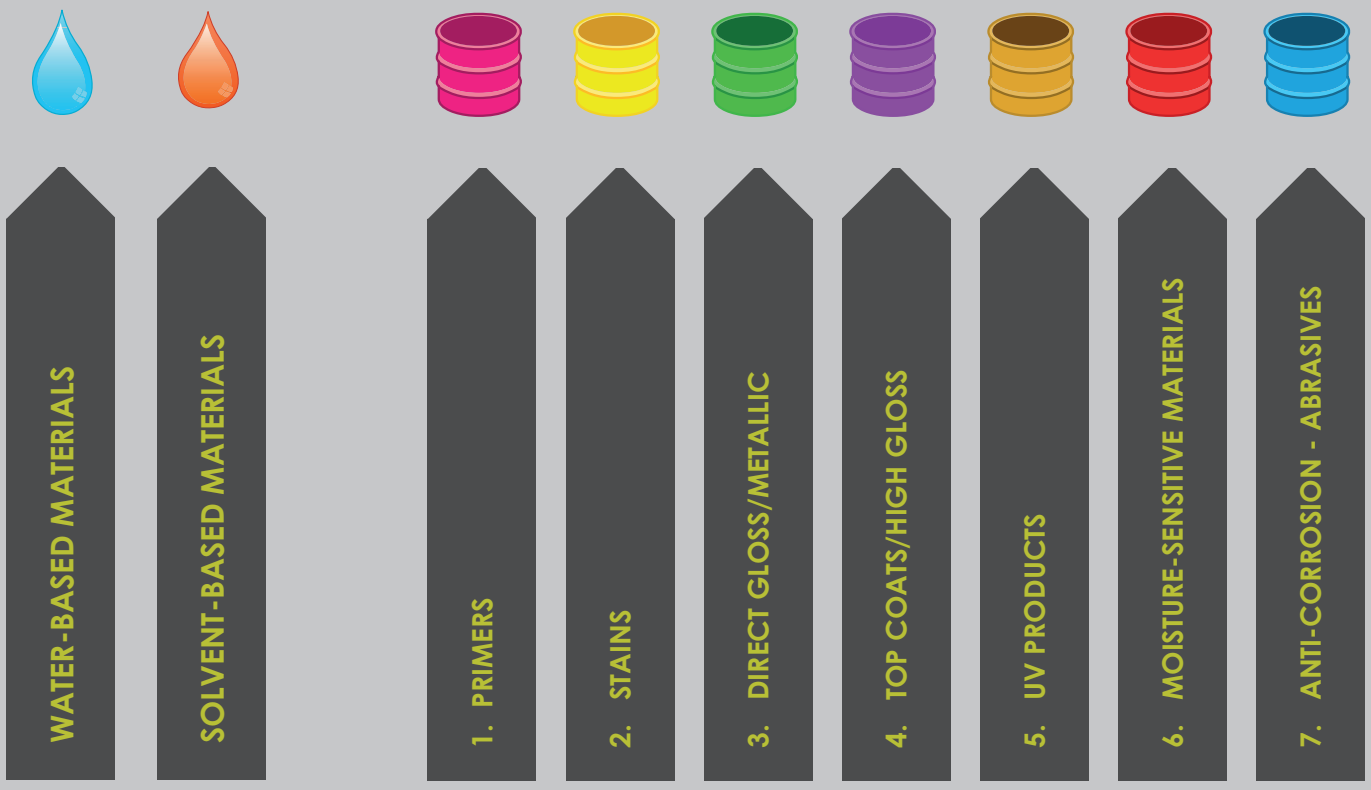
Decoration and protection are often two associated functions. To achieve these aims, and to re-finish products, we have at our disposal a tremendous number of surface treatments,(for example nickel or chrome plating etc.).

Paint is also perfect for both of these functions. In addition, paint is universally used, and can be applied on any surface, such as wood, metal, stone, leather, plastic and elastomers. Paint does not come as a finished product, and hence the quality of application will depend on all its stages of preparation, which we will call the "Painting System".

In general , the stages are as follows:

- Surface preparation
- Application of the coating (paints, stains, varnishes, etc...)
- Drying.

DISCOVER IN THE GENERAL CATALOGUE AND FOR EACH EQUIPMENT, RECOMMENDED PAINT FAMILIES, WATER-BASED OR SOLVENT-BASED.



SURFACE PREPARATION

There is a wide range of physical and chemical treatments to which the surface to be coated can be subjected, before receiving the first coat.

Good surface preparation is the essential base for long-lasting protection and a good visual finish on any material.

The surface preparation is often the longest, and therefore the most important task involved in coating a part.

Material	Physical Preparation	Chemical preparation
Steel	stripping, shotblasting, brushing	acid
Aluminum	brushing	vapor blast
Wood	sanding	
Plastic	heating	plasma torch, acid

Once treated, the surfaces should be free from:

- ▶ particulate or non-adherent substances
- ▶ oil, grease and moisture

To obtain the best protection against corrosion (mainly for metal), we coat with either:

- ▶ a wash primer or
- ▶ an anti-corrosion paint

A **wash primer** is a liquid product of around 16s Zahn#2, which should be sprayed in a thin coat, to get into all the imperfections in the surface of the metal. The phosphoric acid which it contains attacks the surface of the metal and forms an isolating and impenetrable layer of phosphate. The wash primer is highly valued for its adhesion to the metal. Importantly, it should then be coated with a layer of paint, which plays the role of a protective shield.

16s CA_4

An **anti-corrosion** paint is a product which should be sprayed in a thicker layer than the wash primers. Containing anti-corrosive elements, it has the advantage of protecting the metal both physically and chemically at the same time. Also, it saves time, as a single coat applies both the anti-corrosive chemicals and the protective shield to the metal.

40s CA_4

These paints are used very frequently on metal framework, as the coating can be left as it is, or covered subsequently with the desired paint finish.

PAINTS

Looking at a painted object will tell us that paint is hard. However, the paint which we spray is a liquid.

This transformation is due in the main part to several components of paint whose functions are described below.

COMPONENTS OF PAINT

Paint contains one or more substances which are generally dissolved in a solvent (or in water) and which regain their solid consistency after drying on the surface.

Amongst these substances, we find :

- Binders
- Pigments
- Fillers.

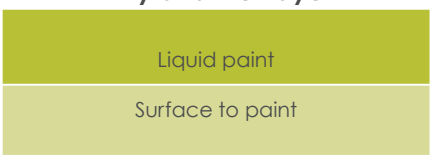
The binder is generally a more or less transparent body which resembles a resin. Dissolved on its own in a solvent it produces a lacquer :

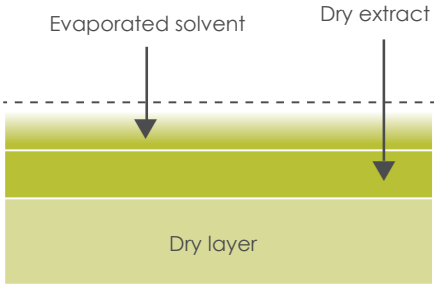
Binder + Solvent = Lacquer

Paint often bears the name of the type of solvent on which it is based (cellulose paint is based on a cellulose solvent). To darken the finish, we add highly colored and very fine powders, which we call pigments. :

Binder + Solvent + Pigments = Paint

Dry and wet layer





GLOSSARY

- Sticky film : we say that a film is sticky when we put a finger on it and it feels like adhesive tape
- Dust-free film : we say that the film is dust-free, when any dust which lands on iot can be removed by blowing
- Film that is dry to the touch : we say that the film is dry to the touch when a finger does not leave a mark on the surface.
- Finger-nail hard : we say that the film is finger-nail hard when we cannot mark it. In this state, it can be polished or sanded.

Finally, to give the finish specific characteristics, we use a whole range of fillers and additives. Solvents make it possible to dissolve the other components of the paint, and can be classed into the following three groups:

- fast solvents : they evaporate extremely quickly, to such an extent that the paint can dry too quickly, not allowing it enough time to adhere correctly to the surface.
  These solvents are never used on their own.
- Slow solvents: they evaporate very slowly, allowing the paint to adhere properly. They leave a soft and smooth finish.
  Slow solvents are not very widely used because they significantly increase the drying time.
- Medium solvents: they evaporate in a few seconds; this is enough to ensure good adhesion, while giving a satisfactory drying time.

In order to make the correct paint, the manufacturer first of all makes a list of the solvents capable of dissolving all the binders he wishes to include, and then chooses those with a volatility suitable for the planned method of drying(whether at room-temperature or in an oven). Before application, paint is often reduced to give a consistency which is ideal for the task.

THE CONSISTENCY OF PAINTS

Viscosity

The consistency of the paint should be adapted for the type of application. It is identified by the extent of its viscosity, which is expressed in centipoises or by measuring the time in seconds that it takes for a certain amount of paint to run through a calibrated viscosity cup. There are different viscosity cups used for measuring the viscosity of paints. The table below shows the relationship between cup size sand viscosities in Centipoises.

AFNOR 4 (CA4)	ISO 4	mPas.s	Centipoises	Ford 4 (CF4)	DIN 4 (D°)	CH (Fr)	ZAHN (n°2
12	—	20	20	10	11	6	18
14	17	25	25	12	12	7	19
16	23	30	30	14	14	—	20
20	34	40	40	18	16	8	22
25	51	50	50	22	20	9	24
29	60	60	60	25	23	10	27
32	68	70	70	28	25	—	30
34	74	80	80	30	26	11	34
37	82	90	90	33	28	12	37
40	93	100	100	35	30	13	41
45	—	120	120	40	34	14	49
50	—	140	140	44	38	15	58
56	—	160	160	50	42	16	66
61	—	180	180	54	45	17	74
66	—	200	200	58	49	18	82
70	—	220	220	62	52	19	—

se = 100 centipoises et 1 mPas.s = 1 centipoise

The effect of temperature on viscosity

Viscosity of paint changes with variations in temperature; basically, the resins are far more fluid when they are hot.

The table below shows the changes in viscosity of a glycerophthalic paint as the temperature varies. It is worth noting that a paint which has a viscosity of 22s at 68°F will have a viscosity of 28s at 54°F and of 17s at 90°F.

	Temperature (°C)																		
	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
Viscosities in secondes CF4	27	26	24	23	22	21	21	20	19	18	18	17	17	16	15	15	14	14	14
	33	31	29	27	26	25	23	22	21	20	19	18	18	17	16	16	15	14	14
	39	36	34	32	30	28	26	24	23	22	21	20	19	18	17	17	16	15	14
	46	42	39	36	34	31	29	27	26	24	23	22	21	19	18	17	17	15	15
	54	49	45	41	38	35	32	30	28	26	24	23	21	20	19	18	17	16	15
	58	51	47	43	40	36	33	31	29	27	25	23	21	20	20	19	18	16	16
	61	55	50	46	42	38	35	32	30	28	26	24	22	21	20	19	18	16	16
	69	63	56	52	46	42	39	35	32	30	28	25	24	23	21	20	19	17	16
	77	69	62	55	50	46	41	38	35	32	29	27	25	24	22	21	19	17	16
	84	74	67	61	54	50	44	40	36	34	30	28	26	25	23	22	20	17	16
	95	84	75	66	60	54	48	44	40	36	33	30	28	26	24	22	20	18	17
	104	92	81	73	65	58	52	46	42	38	35	31	29	27	24	23	21	19	18
	112	100	88	76	69	62	54	49	44	40	36	32	30	27	25	23	21	19	18
	122	108	90	85	75	66	59	53	47	42	38	35	31	28	26	24	22	19	18
	132	120	102	90	80	70	63	55	50	44	40	36	33	30	27	25	23	20	18
	142	124	108	95	84	74	65	58	52	46	41	37	34	31	27	25	23	20	18
	152	132	119	101	90	80	69	61	54	48	43	38	35	31	28	26	24	21	18
	164	140	123	106	94	83	73	64	56	50	45	40	36	32	29	27	24	21	19

Example : at a temperature de 20°C for an announced viscosity of 22 s, you should be ready for the following results:
- ► at 12°C, a viscosity of 28 s,
- ► at 32°C, a viscosity of 17 s.

Quality problems tend to arise when the temperature of the paint changes during the course of the day. For example: During the course of this day, the viscosity of the paint has moved from 23 to 17 seconds, which leads to a 22% increase in the output of the spray guns,leading to over-coloring and excessive product consumption.

	Temperature (°C)	Viscosity - CA4 (s)	Spray gun output (cm3/mm)
morning, cool workshops	15	23	460
Later - workshop heats up	20	20	520
An oven switched on	25	17	560

Worse still, paint prepared in a hot workshop at 20 seconds can be at 28 seconds the following morning, before the workshop has got up to full working temperature: this would lead to a less fine spray and a much greater drying time.

DRYING OF PAINTS

The component of paint can be classed in two groups :

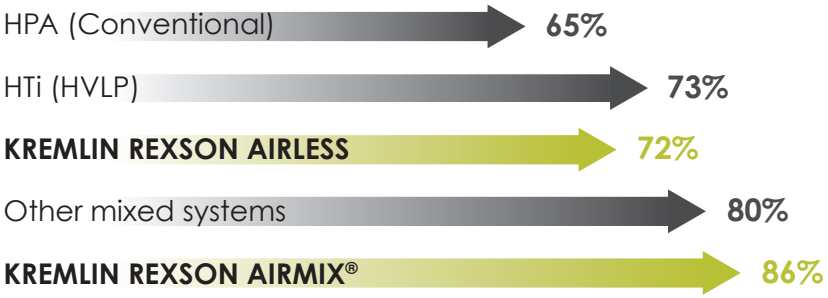
- Dry extracts
- VOC (Volatile organic compounds), or water in case of wtare-based paints

Drying paint is all about allowing the volatile products to evaporate and the film to harden. We must distinguish between hardening and drying.

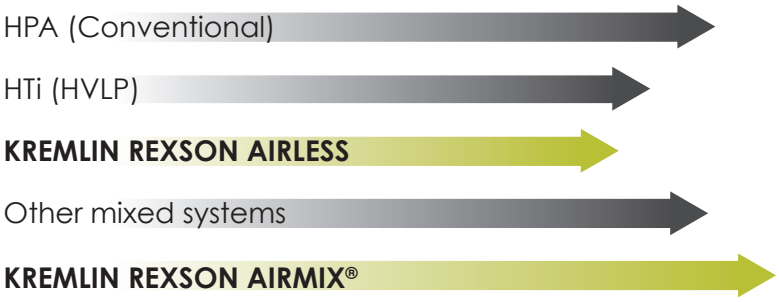
Drying gives us the dry film purely by the evaporation of the volatile products. This happens at two stages: during spraying and within the film. Depending on the temperature, the density of the spray, the type of spray gun and the distance of the spray, the paint can arrive on the surface more or less dry. That means that the majority of the solvent has evaporated before the paint reaches the surface. The drying of the wet film is accelerated when the surface is in a well-ventilated area which has dry air and is dust-free.

PERFORMANCES OF EACH SPRAYING TECHNOLOGY

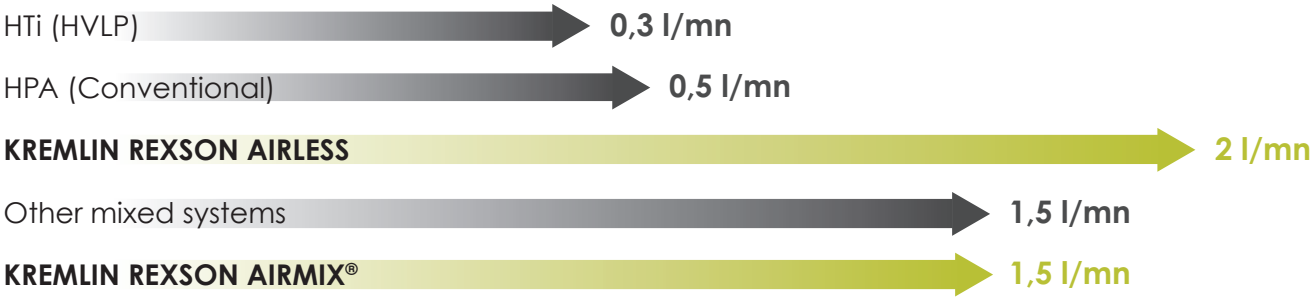
TRANSFER EFFICIENCY



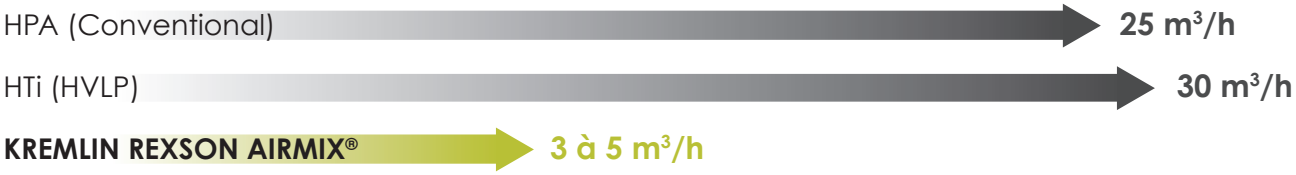
FINISH QUALITY



AVERAGE OUTPUT



AIR CONSUMPTION



RECOMMENDED EQUIPMENT FOR YOUR MANUAL WOOD APPLICATION

Type of part	Fluids		Example	SPRAYING								Fluid consumption in liter/day
		Type		**2 components solvent/water based (primer, lacquer, varnishes)**	**Thick adhesives water/ solvent**	**Solvent based adhesive**	**Primer, glaze**	**Hard finisher**	**Varnish, lacquer, glaze**	**Stains, fongicides, insecticides**	**Shades**	
		Viscosity (CA4/cps)		15'' to 90'' (jusqu'à 300)	- (300 to 10 000)	45'' to 90'' (120 to 300)		30'' to 45'' (60 to 120)	20'' to 30'' (40 to 60)	15'' to 20'' -		
				motor oil	liquid honey	thick motor oil		motor oil	cooking oil	water		
HTI	All sorts of parts, shapes and type of wood								M22 G HTi		S3	**Less than 5**
				PU 2125 F or Cyclomix or PU3000 + M22 P HTi		Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 P HTi						**More than 5**
HPA					M22 G HPA M22 HPA GSP			M22G HPA M21G Basic LP	S3			**Less than 5**
				PU 2125 F or PU 3000 or CYCLOMIX + M22 HTi	Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 HPA							**More than 5**
AIRMIX®	Generally flat and plain parts : furniture, doors, kitchen units, stairs, packaging materials, etc for all types of wooden materials...			PU 2160 or PU 3000 or CYCLOMIX + Xcite™				Pump EOS15-C25 or 30-C25 + Xcite™				**5 to 15**
				PU 3000 or CYCLOMIX + Xcite™	20.25, 20.50 or 17A, 20.25F, 20.50F pumps + Xcite™							**More than 15**
AIRLESS	Generally plain, large surface area parts - doors, barriers, floors, etc.			CYCLOMIX or PU 3000 + M 250		Pompe EOS 30-C25, 40.25, 40.50 or 34A, 40.25F, 40.50F + M 250						**More than 15**
ELECTRO*	Complex parts: hollow parts, lifelines, seats, cluster, etc.			PU 2125F or PU 2160 or CYCLOMIX or PU 3000 + KMV3*, KMP3* KMX3*, KMC3* Spraymium*				KMV3*, KMP3* KMX3*, KMC3* Spraymium* + pumps				**More than 10**

* For conductive products, see electrostatic chapter

How to choose the right equipment for your application :

1- the type of part you are coating

2- your fluid consumption

3- the product you apply and its viscosity

RECOMMENDED EQUIPMENT FOR YOUR MANUAL METAL APPLICATION

Type of part	Fluids	Type	Example	SPRAYING						Fluid consumption in liter/day
				2 components solvent/water based (primer, lacquer, varnishes)	**Thick adhesives water/solvent**	**Solvent-based adhesives**	**Primers, anti-rust coatings**	**Lacquers,**	**Sealers**	
		Viscosity (CA4/cps)		15'' to 90'' (jusqu'à 300)	- (300 to 10 000)	45'' to 90'' (120 to 300)		20'' to 45'' (40 to 60)	15'' to 20'' -	
				motor oil	liquid honey	thick motor oil		cooking oil	water	
HTI	All sorts of parts, shapes and type of metal							M22 G HTi M22 G HTi		Less than 5
				PU 2125 F + M22 P HTi		Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 P HTi				5 to 10
				PU 3000 or Cyclomix + M22P HTi						More than 10
HPA					M22 G HPA M22 G HPA GSP			S3		Less than 5
				PU 2125 F + M22 P HPA		Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 P HPA				5 to 10
				PU 3000 or Cyclomix + M22 P HPA						More than 10
AIRMIX®	Generally flat and plain parts : cabinets, agricultural machinery, machine tools, rolling equipment, moulded parts, panels...			PU 2160 or PU 3000 or CYCLOMIX + Xcite™			EOS15-C25 or 30-C25 pump + Xcite™			5 to 15
				PU 3000 or CYCLOMIX + Xcite™			20.25, 20.50 ou 17A, 20.25F, 20.50F pumps + Xcite™			More than 15
AIRLESS	Generally flat parts with a large surface area: building, railways, frames,...			CYCLOMIX or PU 3000 + M 250			EOS 30-C25, 40.25, 40.50 or 34A, 40.25F, 40.50F pumps + M 250			More than 10
ELECTRO*	Parts with tubular section - seats, cycles and motorcycles, aeronautics...			CYCLOMIX or PU 3000 + KMV3*, KMP3* KMX3*, KMC3* Spraymium*			KMV3*, KMP3* KMX3*, KMC3* Spraymium* + pump			more than 10

* For conductive products, see electrostatic chapter

How to choose the right equipment for your application :

1- the type of part you are coating
2- your fluid consumption
3- the product you apply and its viscosity

RECOMMENDED EQUIPMENT FOR YOUR PLASTIC MANUAL APPLICATION

Type of part	Fluids: Type / Viscosity (CA4/cps)	Example	SPRAYING: 2 components solvent/water based (primer, lacquer, varnishes)	Solvent-based adhesives	Primer	Clear coats, lacquers, varnishes	Fluid consumption in liter/day
			15'' to 45'' (jusqu'à 120)	45'' to 90'' (120 à 300)	30'' to 45'' (30 à 120)	15'' to 30'' -	
			motor oil	thick motor oil	cooking oil	water	
HPA	Television, Hi-Fi, computer cases, household appliances, houseand garden furniture, dash boards, bumpers, steering wheels, wing mirror, .				M22 G HTi or S3		Less than 5
			PU 2125F or CYCLOMIX + M22 P HTi	Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 P HTi			More than 5
HTI				M22 G GSP HPA	M22 G HPA M22 G HPA S3		Less than 5
			PU 2125F or PU 3000 or CYCLOMIX + M22 P HTi	Pressure pot 5,10, 30 litres or PMP pump 150 mobile/wall-mounted or 02.75 + M22 P HPA			More than 5
ELECTRO*			CYCLOMIX PU 3000 + KMV3* KMP3* Spraymium*		KMV3*, KMP3* Spraymium* + pump		More than 10

* For conductive products, see electrostatic chapter

How to choose the right equipment for your application :

1- the type of part you are coating
2- your fluid consumption
3- the product you apply and its viscosity

NOTES

AIRSPRAY
SPRAYING

M22 G HTI

The M22 G HTi is a gravity fed gun that delivers high finish quality and transfer efficiency with outstanding operator comfort. Available with one of 2 aircaps; EP5 for hard to atomize coatings such as high solids and waterbornes or the E5 K HVLP for optimizing efficiency and HVLP compliant airspray.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
High transfer efficiency	Important product savings and environmental protection
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance
Choice of two 0.6 l cups available	Polyacetal white cup for water and solvent-based materials PEHD grey cup for pre-catalysed or PU materials

SPECIFICATIONS	
Sprayed materials	Varnishes, lacquers, stains, polyurethans, two component
Body of the gun	Anodized Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	EP5: 2 - 3 E5 K HVLP: 1.5 - 2.5
Air consumption (m^3/h)	EP5: 20.2 à 2.5 bar E5 K HVLP: 27.2 à 2 bar
Weight (with cup) (g)	680
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	EP5: 74 % E5 K HVLP: 76 %
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS		
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid inlet (gravity cup)	-

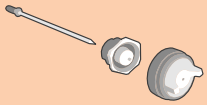
AIRCAP
E5 K HVLP

CONFIGURATION OF THE M22 G HTI WITH E5 KHVLP AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	Polyacetal 0.6L (White)	136.130.100
-	-	-	-	-	PEHD 0.6L (Grey)	136.131.100
< 20 s	12 E5 K HVLP	1.2	128	22	Polyacetal 0.6L (White)	136.130.101
					PEHD 0.6L (Grey)	136.131.101
	13 E5 K HVLP	1.3	170	25	Polyacetal 0.6L (White)	136.130.102
					PEHD 0.6L (Grey)	136.131.102
	14 E5 K HVLP	1.4	216	31	Polyacetal 0.6L (White)	136.130.103
					PEHD 0.6L (Grey)	136.131.103
20 - 40 s	15 E5 K HVLP	1.5	245	35	Polyacetal 0.6L (White)	136.130.104
					PEHD 0.6L (Grey)	136.131.104
	18 E5 K HVLP	1.8	260	36.5	Polyacetal 0.6L (White)	136.130.105
					PEHD 0.6L (Grey)	136.131.105
> 40s	22 E5 K HVLP	2.2	280	38	Polyacetal 0.6L (White)	136.130.106
> 40 s					PEHD 0.6L (Grey)	136.131.106

M22 G HTI

PROJECTORS FOR GRAVITY M22 G HTI E5 KHVLP

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
< 20 s	1.2	27.2	128	22	12 E5 KHVLP	031.130.001	134.130.300	132.130.100	033.130.100
	1.3		170	25	13 E5 KHVLP	031.130.002	134.130.400	132.130.100	033.130.100
	1.4		216	31	14 E5 KHVLP	031.130.003	134.130.500	132.130.100	033.130.200
20 - 40 s	1.5		245	35	15 E5 KHVLP	031.130.004	134.130.600	132.130.100	033.130.200
	1.8		260	36.5	18 E5 KHVLP	031.130.005	134.130.700	132.130.100	033.130.200
> 40 s	2.2		280	38	22 E5 KHVLP	031.130.006	134.130.800	132.130.100	033.130.300(1)

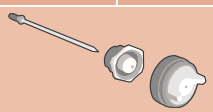
(1) polyacetal end needle

AIRCAP EP5 

CONFIGURATION OF THE M22 G HTI WITH EP 5 AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	Polyacetal 0.6L (White)	136.130.100
-	-	-	-	-	PEHD 0.6L (Grey)	136.131.100
< 20 s	12 EP 5	1.2	141	21	Polyacetal 0.6L (White)	136.130.111
					PEHD 0.6L (Grey)	136.131.111
	13 EP 5	1.3	176	22	Polyacetal 0.6L (White)	136.130.112
					PEHD 0.6L (Grey)	136.131.112
	14 EP 5	1.4	225	28	Polyacetal 0.6L (White)	136.130.113
					PEHD 0.6L (Grey)	136.131.113
20 - 40 s	15 EP 5	1.5	255	29	Polyacetal 0.6L (White)	136.130.114
					PEHD 0.6L (Grey)	136.131.114
	18 EP 5	1.8	278	30.5	Polyacetal 0.6L (White)	136.130.115
					PEHD 0.6L (Grey)	136.131.115
> 40 s	22 EP 5	2.2	280	32	Polyacetal 0.6L (White)	136.131.116
					PEHD 0.6L (Grey)	136.130.116

PROJECTORS FOR GRAVITY M22 G HTI EP5

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
< 20 s	1.2	20.2	141	21	12 EP 5	031.130.011	134.130.300	132.130.300	033.130.100
	1.3		176	22	13 EP 5	031.130.012	134.130.400	132.130.300	033.130.100
	1.4		225	28	14 EP 5	031.130.013	134.130.500	132.130.300	033.130.200
20 - 40 s	1.5		255	29	15 EP 5	031.130.014	134.130.600	132.130.300	033.130.200
	1.8		278	30.5	18 EP 5	031.130.015	134.130.700	132.130.300	033.130.200
> 40 s	2.2		280	32	22 EP 5	031.130.016	134.130.800	132.130.300	033.130.300(1)

(1) polyacetal end needle

MAINTENANCE KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 G HPA

The M22 G HPA is a gravity fed gun that delivers outstanding finish quality with unsurpassed operator comfort. Recommended for hard to atomize coatings.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance
Choice of two 0.6 l cups available	Polyacetal white cup for water and solvent-based materials PEHD grey cup for pre-catalysed or PU materials

SPECIFICATIONS	
Sprayed materials	Varnishes, lacquers, stains, polyurethans, two-component
Body of the gun	Anodized Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2 - 4
Air consumption (m^3/h)	26.5
Weight (with cup) (g)	680
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	65 %
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS		
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid inlet (gravity cup)	-

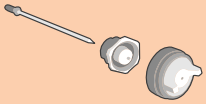
AIRCAP
EN 5

CONFIGURATION OF THE M22 G HPA GRAVITY

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	Polyacetal 0.6L (White)	136.135.100
-	-	-	-	-	PEHD 0.6L (Grey)	136.136.100
< 20 s	12 EN 5	1.2	137	21.5	Polyacetal 0.6L (White)	136.135.101
					PEHD 0.6L (Grey)	136.136.101
	13 EN 5	1.3	173	23.5	Polyacetal 0.6L (White)	136.135.102
					PEHD 0.6L (Grey)	136.136.102
	14 EN 5	1.4	234	27.5	Polyacetal 0.6L (White)	136.135.103
					PEHD 0.6L (Grey)	136.136.103
20 - 40 s	15 EN 5	1.5	256	30	Polyacetal 0.6L (White)	136.135.104
					PEHD 0.6L (Grey)	136.136.104
	18 EN 5	1.8	282	31	Polyacetal 0.6L (White)	136.135.105
					PEHD 0.6L (Grey)	136.136.105
> 40 s	22 EN 5	2.2	300	32	Polyacetal 0.6L (White)	136.135.106
					PEHD 0.6L (Grey)	136.136.106

M22 G HPA

PROJECTORS FOR M22 G HPA SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output M22 G (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
< 20 s	1.2	26.5	137	21.5	12 EN 5	031.135.001	134.130.300	132.130.200	033.130.100
< 20 s	1.3		173	23.5	13 EN 5	031.135.002	134.130.400	132.130.200	033.130.100
< 20 s	1.4		234	27.5	14 EN 5	031.135.003	134.130.500	132.130.200	033.130.200
20 - 40 s	1.5		256	30	15 EN 5	031.135.004	134.130.600	132.130.200	033.130.200
20 - 40 s	1.8		282	31	18 EN 5	031.135.005	134.130.700	132.130.200	033.130.200
> 40 s	2.2		300	32	22 EN 5	031.135.006	134.130.800	132.130.200	033.130.300(1)

(1) polyacetal end needle

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

■ Needle with polyacetal end for M22G

NEEDLE WITH POLYACETAL END FOR M22 G HTI AND HPA (OPTIONAL)

Description	Nozzles Size (mm)	Part number
		
Needle with polyacetal end	0.7 - 0.9 - 1.2 - 1.3	033.130.400
Needle with polyacetal end	1.4 - 1.5 - 1.8	033.130.500

M22 G BASIK HPA

1 2 3 4 5 6 7

Multi-purpose economy gun with good spraying

FEATURES	BENEFITS
Polished aluminum body	Easy and quick maintenance
Product fluid passages in stainless steel	Compatible with most material
New design of the BA aircap	Spraying quality guaranteed
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
0.6 l polyacetal cup	Can be quickly cleaned

SPECIFICATIONS

Sprayed materials	Varnishes, lacquers, stains, polyurethans, two-component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2
Air consumption (m^3/h)	28
Weight (with cup) (g)	690
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	65
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel/Aluminum

FITTINGS

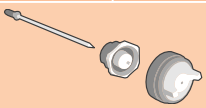
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid inlet (gravity cup)	-

AIRCAP BA5

CONFIGURATION OF THE M22 G BASIK HPA

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	Polyacetal 0.6L (white)	136.137.100
20 - 40 s	18 BA5	1.8	280	31	Polyacetal 0.6L (white)	136.137.110

PROJECTORS FOR M22 G BASIK HPA

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output M22 G (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
20-40	1,8	28	280	31	18 BA 5	031.137.010	134.130.700	132.137.300	033.130.200

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 G HPA GSP

The M22 HPA GSP has our oustanding ergonomic gun body design with a unique combination pressure/gravity cup for hard to atomize coatings such as high solids and waterbornes.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Pressure cup fitted with a safety valve set at 5 bar	Full security during application: cup pressure will never exceed 0.5 bar
Specific design: the cup is only under pressure during application	Full operator safety
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance

SPECIFICATIONS

Sprayed materials	Varnishes, lacquers, stains, polyurethans, two component
Body of the gun	Anodized Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2 - 4
Maximum cup air pressure (bar)	0.5
Air consumption (m³/h)	26.5
Weight (with cup) (g)	710
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	65%
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

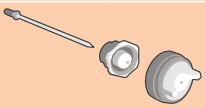
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid inlet (gravity cup - under pressure)	-

AIRCAPS EN5

CONFIGURATION OF THE M22 G HPA GSP

Fluid viscosity	Projector type	Nozzles Size (mm)	Fan width at 20 cm (cm)	Cup	Part number
					
< 3000 cps	15 EN5	1.5	30	PEHD 0.6L (grey)	136.138.104
	18 EN5	1.8	31	PEHD 0.6L (grey)	136.138.105
	22 EN5	2.2	32	PEHD 0.6L (grey)	136.138.106

PROJECTORS FOR M22 G HPA GSP SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
								
20 - 40 s	1.5	26.5	30	15 EN 5	031.135.004	134.130.600	132.130.200	033.130.200
20 - 40 s	1.8	26.5	31	18 EN 5	031.135.005	134.130.700	132.130.200	033.130.200
> 40 s	2.2	26.5	32	22 EN 5	031.135.006	134.130.800	132.130.200	033.130.300(1)

(1) polyacetal end needle

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 P HTI

The M22P HTi gun delivers high finish quality and transfer efficiency with outstanding operator comfort. Available with one of two aircaps; EP3, for hard to atomize coatings such as high solids and waterbornes or E3 K HVLP, our HVLP highest efficiency and HVLP compliant aircap.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
High transfer efficiency	Important product savings and environmental protection
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance

SPECIFICATIONS

Sprayed materials	Varnishes, lacquers, stains, polyurethans, two-component
Body of the gun	Anodized Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1.5 - 2.5
Maximum fluid pressure (bar)	6
Air consumption (m^3/h)	EP3: 20.2 - 29 E3 K HVLP: 23 - 33(1)
Weight (g)	520
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	EP3: 72 % E3 K HVLP: 75 %
Nozzle	Stainless steel
Needle	Treated stainless steel
Wetted parts	Stainless steel

(1) (0.7 bar at the aircap - 2 bar at the handle)

FITTINGS

Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS

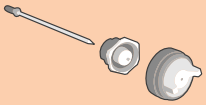
AIRCAP
E3 K HVLP

CONFIGURATION OF THE M22 P HTI WITH E 3 K HVLP AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
-	-	-	-	-	135.140.200
< 20 s	07 E3 K HVLP	0.7	200	32.5	135.140.201
	09 E3 K HVLP	0.9	250	38	135.140.202
	12 E3 K HVLP	1.2	300	42	135.140.203
20 - 40 s	15 E3 K HVLP	1.5	350	46	135.140.206
	18 E3 K HVLP	1.8	400	48	135.140.207

M22 P HTI

PROJECTORS FOR PRESSURE M22 HTI E3 KHVLP

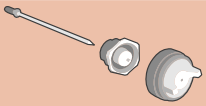
Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Treated needle
									
< 20 s	0.7	23	200	32.5	07 E3 KHVLP	031.140.001	134.130.100	132.140.100	033.140.100
	0.9	26	250	38	09 E3 KHVLP	031.140.002	134.130.200	132.140.100	033.140.100
	1.2	28	300	42	12 E3 KHVLP	031.140.003	134.130.300	132.140.100	033.140.100
20 - 40 s	1.5	31	350	46	15 E3 KHVLP	031.140.006	134.130.600	132.140.100	033.140.200
	1.8	33	400	48	18 E3 KHVLP	031.140.007	134.130.700	132.140.100	033.140.200

AIRCAP EP 3 

CONFIGURATION OF THE M22 P HTI WITH EP 3 AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
-	-	-	-	-	135.140.200
< 20 s	07 EP 3	0.7	200	28.5	135.140.211
	09 EP 3	0.9	250	34	135.140.212
	12 EP 3	1.2	300	37	135.140.213
20 - 40 s	15 EP 3	1.5	350	39	135.140.216
	18 EP 3	1.8	400	42	135.140.217

PROJECTORS FOR PRESSURE M22 HTI EP3

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Treated needle
									
< 20 s	0.7	20.2	200	28.5	07 EP 3	031.140.011	134.130.100	132.140.300	033.140.100
	0.9	22.5	250	34	09 EP 3	031.140.012	134.130.200	132.140.300	033.140.100
	1.2	24	300	37	12 EP 3	031.140.013	134.130.300	132.140.300	033.140.100
20 - 40 s	1.5	27	350	39	15 EP 3	031.140.016	134.130.600	132.140.300	033.140.200
	1.8	29	400	42	18 EP 3	031.140.017	134.130.700	132.140.300	033.140.200

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 P HTI GUN KITS

Kit designation	Kit part number
M22 P HTi 12 EP3 gun kit, fluid and air hoses Ø7 length 7.5m, hose sleeve	151.260.785
M22 P HTi 9 E3 KHVLP gun kit, Ø7 fluid and Ø8 air hoses length 7.5m, hose sleeve	151.260.780

M22 P HPA

1 2 3 4 5 6 7

The M22 P HPA uses our new gun body design for outstanding operator comfort. It delivers high volume pressure fed conventional spraying.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance

SPECIFICATIONS	
Sprayed materials	Varnishes, lacquers, stains, polyurethans, two-component
Body of the gun	Anodized forged aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1,5 - 2.5
Maximum fluid pressure (bar)	6
Air consumption (m³/h)	28 - 36.1
Weight (g)	520
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	EN3: 63%
Nozzle	Stainless steel
Needle	Treated stainless steel
Wetted parts	Stainless steel

FITTINGS		
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS

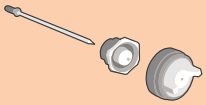
AIRCAP EN 3

CONFIGURATION OF THE M22 P HPA WITH EN3 AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Air consumption (m³/h)	Fan width at 20 cm (cm)	Part number
						
-	-	-	-	-	-	135.145.200
< 20 s	07 EN 3	0.7	200	28	27.5	135.145.201
	09 EN 3	0.9	250	30	31	135.145.202
20 - 40 s	12 EN 3	1.2	300	32.5	35	135.145.203
	15 EN 3	1.5	350	34	36	135.145.206
	18 EN 3	1.8	400	36.1	39	135.145.207

M22 P HPA

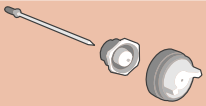
PROJECTORS FOR M22 P HPA SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Treated needle
									
< 20 s	0.7	28	200	27.5	07 EN 3	031.145.001	134.130.100	132.140.200	033.140.100
< 20 s	0.9	30	250	31	09 EN 3	031.145.002	134.130.200	132.140.200	033.140.100
< 20 s	1.2	32.5	300	35	12 EN 3	031.145.003	134.130.300	132.140.200	033.140.100
20 - 40 s	1.5	34	350	36	15 EN 3	031.145.006	134.130.600	132.140.200	033.140.200
	1.8	36.1	400	39	18 EN 3	031.145.007	134.130.700	132.140.200	033.140.200
> 40 s	2.3	17.5	400	36	23 ER 3	031.145.014	134.131.100	132.145.200	033.140.300
	2.7	17.9	500	36	27 ER 3	031.145.015	134.131.200	132.145.200	033.140.300
	2.3	20.6	400	23	23 ER 4	031.145.016	134.131.100	132.145.300	033.140.300
	2.7	20.9	550	23	27 ER 4	031.145.017	134.131.200	132.145.300	033.140.300
	2.3	13.6	360	12	23 ER 9	031.145.020	134.131.100	132.145.500	033.140.300
	2.7	13.9	400	15	27 ER 9	031.145.021	134.131.200	132.145.500	033.140.300
> 5000 cps	3.3	22	300	36	33 ES 3	031.145.018	134.131.300	132.145.400	033.140.400(1)
	4.0	22	470	36	40 ES 3	031.145.019	134.131.400	132.145.400	033.140.400
	3.3	22	700	12	33 ES 9	031.145.022	134.131.300	132.145.600	033.140.400
	4.0	22	750	15	40 ES 9	031.145.023	134.131.400	132.145.600	033.140.400

(1) polyacetal end needle

AIRCAP EG 1 

PROJECTORS FOR M22 P HPA SPRAY GUNS FOR GLUES

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Treated needle
									
> 30s	1.5	19.9	350	36	15 EG 1	031.145.024	134.131.500	132.145.700	033.140.200
> 30s	1.8	20.1	400	39	18 EG 1	031.145.025	134.131.600	132.145.700	033.140.200

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 P HPA GUN KITS

Kit designation	Kit part number
M22P 15 EN3 gun kit, Ø7 fluid and air hoses, 7.5 m hoses, hoses sleeve	151.260.790
M22P 18 EN3 "glue" gun kit, Ø7 air and polyamide 9.52 fluid hoses, 5 m hoses, hoses sleeve	151.260.795

M22 P BASIK HPA

1 2 3 4 5 6 7

The M22 P Basic HPA is our economy gun with unsurpassed ergonmics.
It is a designed for high volume conventional pressure fed spraying.

FEATURES	BENEFITS
Polished aluminum body	Easy and quick maintenance
Product fluid passages in stainless steel	Compatible with water-based materials
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
New design of the BA aircap	Spraying quality guaranteed

SPECIFICATIONS

Sprayed materials	Varnishes, lacquers, stains, polyurethans, two-component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1.8 - 4
Air consumption (m^3/h)	31
Weight (g)	530
Maximum fluid pressure (bar)	6
Transfer efficiency in % (EN 13966-1)	63
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

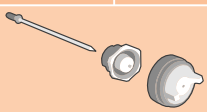
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS

AIRCAP BA3

CONFIGURATION OF THE M22 P BASIK HPA

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
-	-	-	-	-	135.147.200
< 20 s	09 BA3	0.9	250	31	135.147.205
20 - 40 s	12 BA3	1.2	270	32	135.147.206
	15 BA3	1.5	350	36	135.147.207
	18 BA3	1.8	400	39	135.147.208

PROJECTORS FOR M22 P BASIK HPA

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output M22 G (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
<20 s	0.9	30	250	31	09 BA 3	031.147.005	134.130.200	132.147.200	033.140.100
20-40 s	1.2	31	270	32	12 BA 3	031.147.006	134.130.300	132.147.200	033.140.100
20-40 s	1.5	32	350	36	15 BA 3	031.147.007	134.130.600	132.147.200	033.140.200
20-40 s	1.8	32	400	39	18 BA 3	031.147.008	134.130.700	132.147.200	033.140.200

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.140.902

M22 P WBE HPA

1 2 3 4 5 6 7

The M22 P WBE HPA uses our new gun body design for outstanding operator comfort. It delivers high volume pressure fed conventional spraying for highly abrasive water-based coatings.

FEATURES	BENEFITS
Product fluid passages in stainless steel	Compatible with water-based materials
Polyurethane needle tip and treated metal needle rod and nozzle	Wear caused by the use of abrasive products is reduced

SPECIFICATIONS

Sprayed materials	Water-based abrasive coatings, porcelain enamels
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Inlet air pressure (bar)	2.5 - 3.5
Air consumption (m³/h)	17.5 - 36.1
Weight (g)	520
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	63 %
Nozzle	Treated metal
Needle	Treated metal
Wetted parts	Stainless steel / Polyurethane

FITTINGS

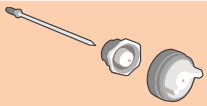
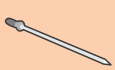
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS

AIRCAP EN3

CONFIGURATION OF THE M22P WBE HPA SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width (cm)	Part number
					
< 20s	07 EN3	0.7	200	27.5	135.148.201
	09 EN3	0.9	250	31	135.148.202
20 - 40s	12 EN3	1.2	300	35	135.148.203
	15 EN3	1.5	350	36	135.148.206
	18 EN3	1.8	400	39	135.148.207
> 40s	23 ER3	2.3	400	36	135.148.208

PROJECTORS FOR M22 WBE HPA SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
< 20s	0.7	28	200	27.5	07 EN 3	031.148.001	134.135.100	132.140.200	033.148.100
< 20s	0.9	30	250	31	09 EN 3	031.148.002	134.135.200	132.140.200	033.148.100
< 20s	1.2	32.5	300	35	12 EN 3	031.148.003	134.135.300	132.140.200	033.148.100
20 - 40s	1.5	34	350	36	15 EN 3	031.148.006	134.135.600	132.140.200	033.148.100
20 - 40s	1.8	36.1	400	39	18 EN 3	031.148.007	134.135.700	132.140.200	033.148.100
> 40s	2.3	17.5	400	36	23 ER 3	031.148.008	134.136.100	132.145.200	033.148.100

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902
Needle tip kit for nozzles sized 7 to 23 (x10)	129.417.005

M22 P HTV

The HTV is a pressure fed gun with outstanding ergonomics that uses Kremlin's unique Vortex technology to spray low viscosity materials on sharply profiled surfaces.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Product fluid passages in stainless steel	Compatible with water-based materials
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
High transfer efficiency	Important product savings and environmental protection
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring

SPECIFICATIONS

Sprayed materials	Varnishes / Stains
Body of the gun	Anodized Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1.5 - 2.5
Maximum fluid pressure (bar)	6
Air consumption (m^3/h)	24(1)
Weight (g)	580
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	65(2)
Nozzle	Stainless steel / PEEK
Needle	Treated stainless steel
Wetted parts	Stainless steel / PEEK

(1) (0,7 bar at the aircap - 2 bar at the handle)
(2) with 22-06 nozzle

FITTINGS

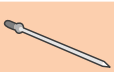
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 3/8" NPS

AIRCAP
EV3 K HVLP

CONFIGURATION OF THE M22 P HTV GUN WITH EV3 K HVLP AIRCAP

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
14 - 20s	18-04 EV3 K HVLP	0.4	100	25	135.142.201
20 - 30s	18-05 EV3 K HVLP	0.5	240	27.5	135.142.202
30 - 40s	22-06 EV3 K HVLP	0.6	320	30	135.142.203

PROJECTORS FOR M22 P HTV SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Fan width at 20 cm (cm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Nozzle assembly	Aircap	Treated needle
							
14-20 s	18/04	25	24	100	134.142.100	132.142.100	033.142.100
20-30 s	18/05	27.5	24	240	134.142.200	132.142.100	033.142.100
30-40 s	22/06	30	24	320	134.142.300	132.142.100	033.142.100

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

■ Special needles and nozzles for M22 P

SPECIAL NEEDLES AND NOZZLES FOR M22 P

Description	Designation	Needle	Nozzle
			
207 T	Treated nozzle and needle	033.140.100	134.135.100
209 T	Treated nozzle and needle	033.140.100	134.135.200
212 T	Treated nozzle and needle	033.140.100	134.135.300
215 T	Treated nozzle and needle	033.140.200	134.135.600
218 T	Treated nozzle and needle	033.140.200	134.135.700
223 T	Treated nozzle and needle	033.140.300	134.136.100
227 T	Treated nozzle and needle	033.140.300	134.136.200
233 T	Treated nozzle and needle	033.140.400	134.136.300
240 T	Treated nozzle and needle	033.140.400	134.136.400

NEEDLE WITH POLYACETAL END FOR M22 P HTI AND HPA (OPTIONAL)

Description	Nozzles Size (mm)	Part number
		
Polyacetal needle end	0.7 - 0.9 - 1.2 - 1.3	033.140.500
Polyacetal needle end	1.4 - 1.5 - 1.8	033.140.600

M22 A HPA

1 2 3 4 5 6 7

The M22 A HPA is a suction fed gun with unsurpassed ergonomics designed for hard to atomize coatings.

FEATURES	BENEFITS
New ergonomics and body design Reduced trigger effort	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
Fine thread stuffing box	Fine control of the needle tightening torque for an improved sealing
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced number of components	Easy maintenance

SPECIFICATIONS

Sprayed materials	Virtually all coatings
Body of the gun	Anodised Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2 - 3
Air consumption (m^3/h)	23 - 29.7
Weight (with cup) (g)	980
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	62%
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel/aluminum

FITTINGS

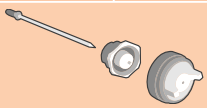
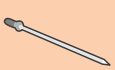
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid inlet (SM6 suction cup 1l)	M 3/8" NPS

AIRCAP EN 2

CONFIGURATION OF THE M22 A HPA

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	SM6 (1 L) (Aluminum)	136.145.200
< 20 s	12 EN 2	1.2	100	16		136.145.211
20 - 40 s	15 EN 2	1.5	223	26.5		136.145.212
	18 EN 2	1.8	270	27		136.145.213

PROJECTORS FOR SUCTION-FED M22 A HPA GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Treated needle
									
< 20 s	1.2	23	100	16	12 EN 2	031.145.011	134.130.300	132.145.100	033.140.100
20 - 40 s	1.5	27	223	26.5	15 EN 2	031.145.012	134.130.600	132.145.100	033.140.200
	1.8	29.7	270	27	18 EN 2	031.145.013	134.130.700	132.145.100	033.140.200
> 40 s	2.3	19	320	30	23 ER 1	031.145.030	134.131.100	132.145.800	033.140.300
	2.7	20	340	32	27 ER 1	031.145.031	134.131.200	132.145.800	033.140.300

SEAL KITS

Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.130.902

M22 A BASIK HPA

1 2 3 4 5 6 7

The M22 A BasiK HPA is our economy gun with unsurpassed ergonomics.
It is designed for conventional suction fed spraying.

FEATURES	BENEFITS
Polished aluminum body	Easy and quick maintenance
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
New design of the BA aircap	Spraying quality guaranteed

SPECIFICATIONS

Sprayed materials	Virtually all coatings
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2.5 - 3.5
Air consumption (m^3/h)	24
Weight (with cup) (g)	1000
Transfer efficiency in % (EN 13966-1)	62
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel, aluminum

FITTINGS

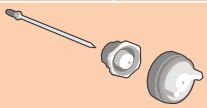
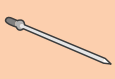
Fitting	Air Inlet	M 1/4" NPS (+ M 1/4" BSP)
	Fluid Inlet	M 3/8" NPS

AIRCAP BA2

CONFIGURATION OF THE M22 A BASIK HPA

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	SM6 (1L)	136.147.200
20 - 40 s	15 BA2	1.5	220	24.5	SM6 (1L)	136.147.201
	18 BA2	1.8	300	25	SM6 (1L)	136.147.202

PROJECTORS FOR M22 A BASIK HPA

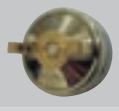
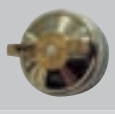
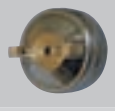
Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output M22 G (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
20-40	1.5	24	220	24.5	15 BA 2	031.147.001	134.130.600	132.147.100	033.140.200
20-40	1.8	24	300	25	18 BA 2	031.147.002	134.130.700	132.147.100	033.140.200

SEAL KITS

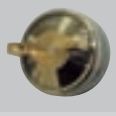
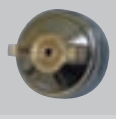
Description	Part number
Seal kit	129.130.901
Repair kit (includes the seal kit)	129.140.902

■ Aircaps for M22 airspray guns

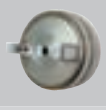
AIRCAPS FOR HTI AND HTV AIRSPRAY GUNS

	E3 K HVLP	E5 K HVLP	EP 3	EP 5	EV 3
					
Guns	M22 P HTi	M22 G HTi	M22 P HTI	M22 G HTi	M22 P HTV
Fan shape	Flat	Flat	Flat	Flat	Flat swirling fan
Atomization Type	HTI	HTi	HTi	HTi	HTi
Atomization quality	Excellent	Excellent	Excellent	Excellent	Excellent
Transfer efficiency	76%	76%	74%	74%	65%
Air consumption @ 2 bar	23 - 33 m³/h	27.2 m³/h	20.2 - 29 m³/h	20.2 m³/h	24 m³/h
Nozzle size	07/18	12/22	07/18	12/22	04/06

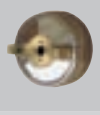
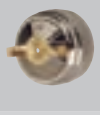
AIRCAPS FOR HPA AIRSPRAY GUNS

	EN 5	EN 2	EN 3
			
Guns	M22 G HPA	M22 A HPA	M22 P HPA
Fan shape	Flat	Flat	Flat
Atomization Type	HPA	HPA	HPA
Atomization quality	Very Good	Very Good	Very Good
Transfer efficiency	65%	62%	63%
Air consumption @ 2 bar	26.5 m³/h	23 - 29.7 m³/h	28 - 36.1 m³/h
Nozzle size	12/22	12/18	07/18

AIRCAPS FOR HPA BASIK AIRSPRAY GUNS

	BA 5	BA 2	BA 3
			
Guns	M22 G BasiK HPA	M22 A BasiK HPA	M22 P BasiK HPA
Fan shape	Flat	Flat	Flat
Atomization Type	HPA	HPA	HPA
Atomization quality	Good	Good	Good
Transfer efficiency	65%	62%	63%
Air consumption @ 2 bar	28 m³/h	24 m³/h	32 m³/h
Nozzle size	18	15/18	09/12/15/18

AIRCAPS FOR HPA AIRSPRAY GUNS

	ER1	ER3	ER4	ER9	ES3	ES9	EG1
							
Gun designation	M22 A HPA	M22 P HPA	M22 P HPA	M22 P HPA	M22 P HPA	M22 P HPA	M22 P HPA
Fan shape	Flat	Flat	Flat	Round	Flat	Round	Flat
Atomization Type	HPA	HPA	HPA	Conventional	Conventional	Conventional	Conventional
Atomization quality	Very good	Very good	Very good	Excellent	Good	Very good	Excellent
Nozzle size	23/27	23/27	23/27	23/27	33/40	33/40	15/18

NOTES

S3 G HTI

1 2 3 4 5 6 7

The S3 G HTi is our most compact gravity fed gun with oustanding ergonomics designed for small hands and tight areas where touch up or shading is required.

FEATURES	BENEFITS
New ergonomics and body design	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
In-line air valve assembly	Fine adjustment and long lasting components
1 finger trigger	For an improved application accuracy
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
PEHD cup	Compatible with water-based materials

SPECIFICATIONS

Sprayed materials	Shades, varnishes, lacquers, stains, polyurethans, 2 component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1.5 - 2.5
Air consumption (m³/h)	7.5(1)
Weight (with cup) (g)	515
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

(1) (0,7 bar at the aircap - 2 bar at the handle)

FITTINGS

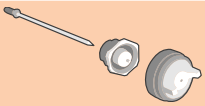
Fitting	Air Inlet	M 1/4" NPS
	Fluid inlet (gravity cup)	-

AIRCAP ESG KHVLP

CONFIGURATION OF THE S3 G HTI SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Projector Part number
						
-	-	-	-	-	PEHD 0.25L (grey)	136.155.100
14 - 20s	08 ESG KHVLP	0.8	68	14		136.155.112
14 - 20s	10 ESG KHVLP	1.0	100	21		136.155.113
20 - 30s	12 ESG KHVLP	1.2	130	24		136.155.114

PROJECTORS FOR S3 G HTI SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m³/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
<20 s	0.8	7.5	68	14	08 ESG KHVLP	031.150.012	134.630.400	132.150.200	033.150.100
14 - 20s	1.0	7.5	100	21	10 ESG KHVLP	031.150.013	134.630.100	132.150.200	033.150.500
20 - 40s	1.2	7.5	130	24	12 ESG KHVLP	031.150.014	134.630.200	132.150.200	033.150.200

SEAL KITS

Description	Part number
Seal kit	129.150.901
Repair kit (includes the seal kit)	129.150.902

S3 G HPA

1 2 3 4 5 6 7

The S3 G HPA is our most compact gun designed for small hands and tight areas where touch-up is required.

FEATURES	BENEFITS
New ergonomics and body design	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Reduced air consumption	Energy savings
In-line air valve assembly	Fine adjustment and long lasting components
2 different projectors: AM and PGL	2 types of application possible: AM (flat fan) and PGL (special line round fan)
1 finger trigger	For an improved application accuracy
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
PEHD cup	Compatible with water-based materials

SPECIFICATIONS

Sprayed materials	Shades, varnishes, lacquers, stains, polyurethans, 2 component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2.5 - 3.5
Air consumption (m^3/h)	8-10
Weight (with cup) (g)	515
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

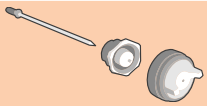
Fitting	Air Inlet	M 1/4" NPS
	Fluid inlet (gravity cup)	-

AIRCAP
AM
PGL

CONFIGURATION OF THE S3 G HPA SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Cup	Part number
						
-	-	-	-	-	PEHD 0.25L (grey)	136.155.100
14-20 s	08 AM	0.8	86	15	PeHD 0,25L (grey)	136.155.108
14-20 s	08 AM	0.8	86	15	Polyacetal 0,25 l (white)	136.156.108
20-30 s	10 AM	1.0	142	22	PeHD 0,25l (grey)	136.155.109
30-40 s	12 AM	1.2	180	24.5	PeHD 0,25l (grey)	136.155.110
20-30 s	10 PGL	1.0	148	13	PeHD 0,25l (grey)	136.155.107

PROJECTORS FOR S3G HPA SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
<20 s	0.8	12.9	86	15	08 AM	031.150.008	134.630.400	132.630.400	033.150.100
	1.0	12.9	142	17	10 AM	031.150.009	134.630.100	132.630.400	033.150.500
	1.2	12.9	180	19	12 AM	031.150.010	134.630.200	132.630.400	033.150.200
20-30 s	1.0	4	148	13	10 PGL	031.150.007	134.640.100	132.640.100	033.150.300

SEAL KITS

Description	Part number
Seal kit	129.150.901
Repair kit (includes the seal kit)	129.150.902

S3 A HPA

The S3 A HPA is our most compact suction fed gun with outstanding ergonomics for small hands and tight touch-up areas.

FEATURES	BENEFITS
New ergonomics and body design	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Reduced air consumption	Energy savings
In-line air valve assembly	Fine adjustment and long lasting components
2-finger trigger	Improved comfort for more productivity
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
PEHD cup	Compatible with water-based materials

SPECIFICATIONS

Sprayed materials	Shades, varnishes, lacquers, stains, polyurethans, 2 component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	2.5 - 3.5
Air consumption (m^3/h)	8-11
Weight (with cup) (g)	595
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

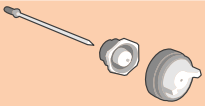
Fitting	Air Inlet	M 1/4" NPS
	Fluid inlet (0.25l PeHD suction cup)	M 1/4" NPS

AIRCAP
AM
AY

CONFIGURATION OF THE S3 A HPA SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Air consumption (m^3/h)	Fan width at 20 cm (cm)	Cup	Part number
							
-	-	-	-	-	-	PeHD 0.25l (grey)	136.150.200
14-20 s	08 AM	0.8	86	12.9	15		136.150.208
20-30 s	10 AM	1.0	132	12.9	17		136.150.209
30-40 s	12 AM	1.2	159	12.9	19		136.150.210
	15 AY	1.5	180	14.1	20		136.150.211

PROJECTORS FOR S3 A HPA AIRSPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Air consumption (m^3/h)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
<20 s	0.8	86	15	12.9	08 AM	031.150.008	134.630.400	132.630.400	033.150.100
	1.0	142	17	12.9	10 AM	031.150.009	134.630.100	132.630.400	033.150.500
	1.2	180	19	12.9	12 AM	031.150.010	134.630.200	132.630.400	033.150.200
20-40 s	1.5	180	20	14.1	15 AY	031.150.011	134.630.300	132.630.200	033.150.400

SEAL KITS

Description	Part number
Seal kit	129.150.901
Repair kit (includes the seal kit)	129.150.902

S3 P HTI

1 2 3 4 5 6 7

The S3 P HTi is our most compact pressure fed gun with outstanding ergonomics designed for small hands and tight areas where touch-up or shading is required.

FEATURES	BENEFITS
New ergonomics and body design	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
In-line air valve assembly	Fine adjustment and long lasting components
2-finger trigger	Improved comfort for more productivity

SPECIFICATIONS

Sprayed materials	Shades, varnishes, lacquers, stains, polyurethans, 2 component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	1.5 - 2.5
Air consumption (m^3/h)	12
Weight (g)	388
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

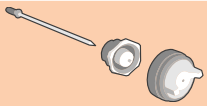
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 1/4" NPS

AIRCAP EPX KHVLP

CONFIGURATION OF THE S3 P HTI SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
-	-	-	-	-	135.150.200
14-20 s	08 EPX KHVLP	0.8	300	25	135.150.204
20-30 s	10 EPX KHVLP	1.0	461	26	135.150.205
30-40 s	12 EPX KHVLP	1.2	745	26	135.150.206

PROJECTORS FOR S3 P HTI SPRAY GUNS

Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Nozzle	Aircap	Needle
									
14-20 s	0.8	12	80	25	08 EPX KHVLP	031.150.004	134.630.400	132.150.100	033.150.100
20-40 s	1.0	12	92	26	10 EPX KHVLP	031.150.005	134.630.100	132.150.100	033.150.500
20-40 s	1.2	12	131	26	12 EPX KHVLP	031.150.006	134.630.200	132.150.100	033.150.200

SEAL KITS

Description	Part number
Seal kit	129.150.901
Repair kit (includes the seal kit)	129.150.902

S3 P HPA

The S3 P HPA is our most compact pressure fed gun with outstanding ergonomics for small hands and tight touch-up areas.

FEATURES	BENEFITS
New ergonomics and body design	The gun is part of the operator's arm who can focus on the application and the spraying movement for an improved quality
Unique aircap design	Unsurpassed finish quality with perfectly balanced fan
E-Z adjust aircap	Allows adjustment without loosening the retaining ring
Reduced air consumption	Energy savings
In-line air valve assembly	Fine adjustment and long lasting components
2-finger trigger	Improved comfort for more productivity

SPECIFICATIONS

Sprayed materials	Shades, varnishes, lacquers, stains, polyurethans, 2 component
Body of the gun	Polished Forged Aluminum
Maximum air inlet pressure (bar)	6
Recommended atomization air pressure (bar)	3
Air consumption (m^3/h)	10
Weight (g)	387
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Nozzle	Stainless steel
Needle	Stainless steel
Wetted parts	Stainless steel

FITTINGS

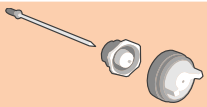
Fitting	Air Inlet	M 1/4" NPS
	Fluid Inlet	M 1/4" NPS

AIRCAP
PX
PGL

CONFIGURATION OF THE S3 P HPA SPRAY GUN

Max Fluid viscosity in CA 4	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Part number
					
-	-	-	-	-	135.150.200
14-20 s	08 PX	0.8	307	23	135.150.201
20-30 s	10 PX	1.0	506	23.5	135.150.202
30-40 s	12 PX	1.2	731	25	135.150.203
20-30 s	10 PGL	1.0	148	13	135.150.207

PROJECTORS FOR M22 P HPA SPRAY GUNS

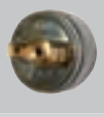
Max Fluid viscosity in CA 4	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid output (cc/mn)	Fan width at 20 cm (cm)	Projector Type	Projector Part number	Aircap	Needle	Nozzle
									
14-20	0.8	10	307	23	08 PX	031.150.001	132.631.100	033.150.100	134.630.400
20-30	1.0	10	506	23.5	10 PX	031.150.002	132.631.100	033.150.500	134.630.100
30-40	1.2	10	731	25	12 PX	031.150.003	132.631.100	033.150.200	134.630.200
20-30 s	1.0	4	148	13	10 PGL	031.150.007	132.640.100	033.150.300	134.640.100

SEAL KITS

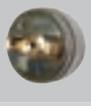
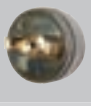
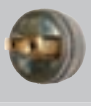
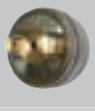
Description	Part number
Seal kit	129.150.901
Repair kit (includes the seal kit)	129.150.902

■ Aircaps for S3 airspray guns

AIRCAPS FOR HTI AIRSPRAY GUNS

	ESG K HVLP	EPX K HVLP
		
Guns	S3 G HTi	S3 P HTi
Fan shape	Flat	Flat
Atomization Type	HTi	HTi
Atomization Quality	Excellent	Excellent
Air consumption @ 2 bar	7.5 m^3/h	12 m^3/h
Nozzle size	08/12	08/12

AIRCAPS FOR HPA AIRSPRAY GUNS

	AM	AM	AY	PX
				
Guns	S3 G HPA	S3 A HPA	S3 A HPA	S3 P HPA
Fan shape	Flat	Flat	Flat	Flat
Atomization Type	HPA	HPA	HPA	HPA
Atomization quality	Very good	Very good	Very good	Very good
Transfer efficiency	72%	52%	54%	76%
Air consumption @ 2 bar	10 m^3/h	13 m^3/h	14 m^3/h	10 m^3/h
Nozzle size	08/12	08 /15	15	08/12

AIRCAPS FOR HPA AIRSPRAY GUNS - AIRCAPS FOR THE LINE

	PGL	PGL
		
Guns	S3 G HPA	S3 P HPA
Fan shape	Line	Line
Atomization type	HPA	HPA
Atomization quality	Very good	Very good
Nozzle size	10	10

■ Extensions for M22 pressure fed guns

Designed for painting the inside of tubes (360° circular fan) or the inside of cavities (lateral fan)

EXTENSIONS FOR PRESSURE-FED M22 SPRAY GUNS				
Fan type	**Internal diameter (mm)**	**Length in mm**	**Nozzle type**	**Part number**
Cone	8	150	12	075.900.213
Cone	8	150	18	075.900.224
Lateral	8	250	12	075.900.111
Lateral	8	250	18	075.900.122
Lateral	8	400	12	075.900.311
Lateral	8	400	18	075.900.322

■ Gravity cups

The white cup is for water or solvent based paints; the grey cup is for polyurethanes and pre-catalyzed paints

PART NUMBERS GRAVITY CUPS FOR M22G				
Description	**Material**	**Capacity (L)**	**Fitting**	**Part number**
White cup (solvent and water-based paints)	Polyacetal	0.25	1/4" BSP	139.280.200
White Cup (solvent or water-based paints)	Polyacetal	0.6	1/4" BSP	139.270.200
Grey cup (PU and pre-catalyzed paints)	PEHD	0.6	1/4" BSP	139.270.250

PART NUMBER GRAVITY CUP FOR S3 G				
Description	**Material**	**Capacity (L)**	**Fitting**	**Part number**
White cup (solvent and water-based paints)	Polyacetal	0.25	1/4" BSP	139.280.200
Grey cup (PU- and pre-catalysed paints)	PEHD	0.25	1/4" BSP	139.280.250

SEAL PACKS AND SCREENS		
Designation	**Quantity**	**Part number**
Pack of non-drip plugs for 0.25 liter and 0.6 liter cups	5	139.270.210
Pack of screens for 0.25 liter and 0.6 liter cups (200 µm)	5	139.270.220

■ Suction cup - with non-drip system

1/4 turn quick opening SM6 aluminum twist cup (for M22 and M21 ranges)
1/4 turn quick opening PeHD cup (for S3A)

CUP PART NUMBERS FOR M22A				
Description	**Material**	**Fitting**	**Capacity (L)**	**Part number**
Complete SM6 standard suction cup	Aluminum	F3/8'' NPS	1	138.360.000
Fitted cover (with tube)	Aluminum	F 3/8'' NPS	-	138.360.200
Cup only	Aluminum	-	1	138.350.100

CUP PART NUMBER FOR S3 A				
Description	**Fitting**	**Material**	**Capacity (L)**	**Part number**
Suction cup (grey)	F 1/4" NPS	PeHD	0.25	138.390.000

SEAL PACKS FOR SM6		
Description	**Quantity**	**Part number**
Pack of cup seals	10	138.010.900
Pack of filters	4	138.310.300
Pack of non-drip plugs	5	138.350.901
Pack of filters for SM5 (old model)	4	138.010.800

SEAL PACKS FOR S3 A CUP		
Description	**Quantity**	**Part number**
Pack of 5 non-drip plugs for 0.25 L and 0.6 L cups	5	139.270.210
Pack of filters	4	138.310.300

■ Gravity pressure cup for M22 GSP

PART NUMBER				
Description	**Material**	**Capacity (L)**	**Fitting**	**Part number**
Pressure cup	PeHD (grey)	0.6	1/4" BSP	139.270.260

■ Cup paper filter

Disposable filter paper, used to strain the paint before pouring it into the cups.

POCHETTE		
Description	**Quantity**	**Part number**
Pack of paper filter (280µ)	10	151.399.903

■ Funnels with removable strainers for cups

FUNNELS			
Description	**Internal diameter (mm)**	**Use**	**Part number**
Funnel with 2 strainers Ø = 50 mm - 210 and 510 µ	105	For cups	057.080.000

STRAINERS			
Description	**Internal diameter (mm)**	**Size (µ)**	**Part number**
Spare strainer	50	210	057.070.200
Spare element Ø = 50 mm - 510 µ	50	510	057.070.100

■ Hose sleeve

PART NUMBER			
Description	**Internal diameter (mm)**	**Length (m)**	**Part number**
Hoses Sleeve	40	10	129.270.087

■ Accessories and filters for airspray guns

FLUID INLET FILTER			
Description	**Fittings on gun**	**Hoses thread**	**Part number**
Fluid Inlet filter with N°6 screen for M22 spray guns	F 3/8" NPS	M 3/8" NPS	129.140.030

SEAL PACKS FOR FLUID INLET FILTER		
Description	**Quantity**	**Part number**
Pack of n°6 screens	10	151.399.902
Pack of seals	10	149.949.901

Accessories and filters for airspray guns (continued)

VARIOUS ACCESSORIES

Image	Description	Fittings on gun	Hoses thread	Part number
	Air inlet swivel fitting	M1/4'' G - F 1/4'' G		129.020070
	Air inlet quick-disconnect fitting	F 1/4" NPS / M 1/4" NPS		905.030.105
	Gun inlet pressure gauge for HVLP compliance testing	MF 1/4'' NPS		150.070.560
	Table stand for gravity-fed spray gun	-		049.221.800
	Wall support for gravity-fed spray gun	-		049.221.900

NOTES

A35 HTI SPRAY GUN - STAINLESS STEEL

Modular design for High Volume Production with an outstanding finish quality - HTi technology.

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Modular design	Quick service: only 4 bolts to unscrew, no need to remove hoses
Built-in valve	Non air-bleeding gun
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Stainless steel design	Compatible with water-based materials

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	2 - 2.5
Fluid output (cc/mn)	Upon nozzle (see table)
Weight (g) (gun only)	497
Maximum Fluid Temperature (°C)	50
Transfer efficiency in % (EN 13966-1)	74 (E3 KHVLP) - 72 (EP3)
Air consumption (m^3/h)	20 - 30
Wetted parts	Stainless steel - treated stainless steel

BASE FOR A35 HTI GUNS		
Type	Side outputs	Rear outputs
Fluid circulation	Circulation in the base	Circulation in the base ()
Material (base plate)	Aluminum with stainless steel insert	Aluminum with stainless steel insert
Weight (g)	240	480

FITTINGS		
Power supply	Gun base	Fittings supplied, non fitted
Fluid	F 1/4" NPS	Quick fittings - Ø 6 x 8 hose
Atomization air	F 1/4" NPS	M 1/4 NPS - air hose int Ø 8 mini
Pilot air	F 1/8" NPS	Quick fittings -air hose Ø 4x6

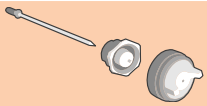
AIRCAP
E3 KHVLP

CONFIGURATION OF THE A35 HTI GUN FITTED WITH BASE - E3 KHVLP AIRCAP

Description	Projector type	Base type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
							
A35 HTi	06 E3 KHVLP	Side outputs	0.6	150	10	25	135.300.112
A35 HTi		Rear outputs					135.300.212
A35 HTi	07 E3 KHVLP	Side outputs	0.7	200	10	29	135.300.101
A35 HTi		Rear outputs					135.300.201
A35 HTi	09 E3 KHVLP	Side outputs	0.9	250	10	35	135.300.102
A35 HTi		Rear outputs					135.300.202
A35 HTi	12 E3 KHVLP	Side outputs	1.2	300	10	38	135.300.103
A35 HTi		Rear outputs					135.300.203
A35 HTi	15 E3 KHVLP	Side outputs	1.5	350	10	41	135.300.104
A35 HTi		Rear outputs					135.300.204
A35 HTi	18 E3 KHVLP	Side outputs	1.8	400	10	43	135.300.105
A35 HTi		Rear outputs					135.300.205

A35 HTI SPRAY GUN - STAINLESS STEEL

PROJECTORS E3 K HVLP FOR A35 HTI GUNS

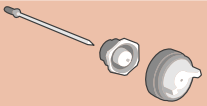
Product viscosity in CA4 (s) or centipoises (cps)	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid flow rate (l/mn)	Fan width at 20 cm (cm) Maximum	Fan width at 20 cm (cm) Minimum	Projector Type	Projector Part number	Nozzle part number	Aircap Part number	Needle part number
										
< 20 s	0.6	20 - 30	150	25	10	06 E3 K HVLP	031.300.012	134.130.050	132.300.100	033.300.100
	0.7	20 - 30	200	29	10	07 E3 K HVLP	031.300.001	134.130.100	132.300.100	033.300.100
	0.9	20 - 30	250	35	10	09 E3 K HVLP	031.300.002	134.130.200	132.300.100	033.300.100
	1.2	20 - 30	300	38	10	12 E3 K HVLP	031.300.003	134.130.300	132.300.100	033.300.100
20 - 40 s	1.5	20 - 30	350	41	10	15 E3 K HVLP	031.300.004	134.130.600	132.300.100	033.300.200
	1.8	20 - 30	400	43	10	18 E3 K HVLP	031.300.005	134.130.700	132.300.100	033.300.200

AIRCAP EP3 

CONFIGURATION OF THE A35 HTI GUN FITTED WITH BASE - EP3 AIRCAP

Description	Projector type	Base type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
							
A35 HTi	06 EP3	Side outputs	0.6	150	10	24	135.300.111
A35 HTi		Rear outputs					135.300.211
A35 HTi	07 EP3	Side outputs	0.7	200	10	25	135.300.106
A35 HTi		Rear outputs					135.300.206
A35 HTi	09 EP3	Side outputs	0.9	250	10	31	135.300.107
A35 HTi		Rear outputs					135.300.207
A35 HTi	12 EP3	Side outputs	1.2	300	10	32	135.300.108
A35 HTi		Rear outputs					135.300.208
A35 HTi	15 EP3	Side outputs	1.5	350	10	34	135.300.109
A 35 HTi		Rear outputs					135.300.209
A35 HTi	18 EP3	Side outputs	1.8	400	10	38	135.300.110
A 35 HTi		Rear outputs					135.300.210

PROJECTORS EP3 FOR A35 HTI GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid flow rate (l/mn)	Fan width at 20 cm (cm) Maximum	Fan width at 20 cm (cm) Minimum	Projector Type	Projector Part number	Nozzle part number	Aircap Part number	Needle part number
										
< 20 s	0.6	21 - 29	150	24	10	06 EP3	031.300.011	134.130.050	132.300.300	033.300.100
	0.7	21 - 29	200	25	10	07 EP3	031.300.006	134.130.100	132.300.300	033.300.100
	0.9	21 - 29	250	31	10	09 EP3	031.300.007	134.130.200	132.300.300	033.300.100
	1.2	21 - 29	300	32	10	12 EP3	031.300.008	134.130.300	132.300.300	033.300.100
20 - 40 s	1.5	21 - 29	350	34	10	15 EP3	031.300.009	134.130.600	132.300.300	033.300.200
	1.8	21 - 29	400	38	10	18 EP3	031.300.010	134.130.700	132.300.300	033.300.200

SUPPORTS

Description	Part number
Mounting support Ø 16	049.351.000
Mounting support Ø 12	049.351.700
Adjustable mounting support for Ø12 support	049.351.705
Protective cap (x10)	106.380.818

KIT

Description	Part number
Remote adjusting fan width kit	029.253.002

A 35 HPA SPRAY GUN - STAINLESS STEEL

Modular design for High Volume Production with an excellent finish quality - HPA technology. Wide fan pattern available.

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
New EN 3L aircap	Unsurpassed wide fan pattern
Modular design	Quick service: only 4 bolts to unscrew, no need to remove hoses
Built-in valve	Non air-bleeding gun
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Stainless steel design	Compatible with water-based materials

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	3 - 5
Fluid output (cc/mn)	Upon nozzle (see table)
Weight (g) (gun only)	497
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	33
Wetted parts	Stainless steel - treated stainless steel

FITTINGS		
Power supply	Gun base	Fittings supplied, non fitted
Fluid	F 1/4" NPS	Quick fitting - Ø 6 x 8 hose
Atomization air	F 1/4" NPS	M 1/4" NPS - air hose Ø 7mm int
Pilot air	F 1/8" NPS	Quick fittings - air hose Ø 4x6

CONFIGURATION OF THE A35 HPA GUN WITHOUT BASE

Description	Aircap	Nozzle	Part number
A35 HPA without projector, w/o base	-	-	129.305.000

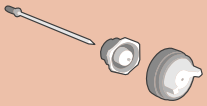
AIRCAP EN 3L

CONFIGURATION OF THE A35 HPA GUN FITTED WITH BASE

Description	Projector type	Base type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
							
A35 HPA	06 EN 3L	Side outputs	0.6	150	10	30	135.305.106
A35 HPA		Rear outputs					135.305.206
A35 HPA	07 EN 3L	Side outputs	0.7	200	10	31	135.305.101
A35 HPA		Rear outputs					135.305.201
A35 HPA	09 EN 3L	Side outputs	0.9	250	10	34	135.305.102
A35 HPA		Rear outputs					135.305.202
A35 HPA	12 EN 3L	Side outputs	1.2	300	10	38	135.305.103
A35 HPA		Rear outputs					135.305.203
A35 HPA	15 EN 3L	Side outputs	1.5	350	10	39	135.305.104
A35 HPA		Rear outputs					135.305.204
A35 HPA	18 EN 3L	Side outputs	1.8	400	10	41	135.305.105
A35 HPA		Rear outputs					135.305.205

A 35 HPA SPRAY GUN - STAINLESS STEEL

PROJECTORS EN 3L FOR A35 HPA GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles	Fan width at 20 cm (cm)		Air consumption (m^3/h)	Fluid flow rate (l/mn)	Projector		Nozzle	Aircap	Needle
	Size (mm)	Minimum	Maximum			Type	Part number	part number	Part number	part number
										
< 20 s	0.6	10	30	24 - 44	150	06 EN 3L	031.305.006	134.130.050	132.305.200	033.300.100
	0.7	10	31	24 - 44	200	07 EN 3L	031.305.001	134.130.100	132.305.200	033.300.100
	0.9	10	34	24 - 44	250	09 EN 3L	031.305.002	134.130.200	132.305.200	033.300.100
	1.2	10	38	24 - 44	300	12 EN 3L	031.305.003	134.130.300	132.305.200	033.300.100
20 - 40 s	1.5	10	39	24 - 44	350	15 EN 3L	031.305.004	134.130.600	132.305.200	033.300.200
	1.8	10	41	24 - 44	400	18 EN 3L	031.305.005	134.130.700	132.305.200	033.300.200

SUPPORTS

Description	Part number
Mounting support Ø 16	049.351.000
Mounting support Ø 12	049.351.700
Adjustable mounting support for Ø12 support	049.351.705
Protective cap (x10)	106.380.818

KITS

Description	Part number
Remote adjusting fan width kit	029.253.002

A25F FLOWMAX® GUN - STAINLESS STEEL

Flowmax® technology: unsurpassed reliability and multi-products use
The A25F Flowmax® gun is designed for an intensive use. The sealing of the gun is made with a bellow guaranteeing an high level of reliability.
It is recommended for spraying paints, glues, water-based materials and UV products.

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Unique custom-made design of fluid passages at the bellow level	Optimized flushing and fluid circulation
Adoption of a bellow seal	Increased reliability
Compatible with solvent or water-based materials	Universal use meeting most requirements and unique on the market!
Flushin volume optimized by the bellow technology	Easy flushing and product savings
Modular design	The body of the gun can be easily removed from the base: only 4 bolts needed to release, no need to remove hoses and it maintains optimal position even after servicing Dismounting and set-up without hose removal

Gun shown fitted on base

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	4
Fluid output (l/mn)	upon nozzle
Weight (g) (gun only)	985
Weight (g) (gun with base plate)	1280
Maximum Fluid Temperature (°C)	50
Air consumption (m3/h)	24 (2.5 bar)
Body of the gun	Stainless steel
Wetted parts	Stainless steel - PTFE

FITTINGS		
Power supply	Gun base	Non fitted supplied fitting
Fluid	F 1/4" NPS	Elbow M 1/4" BSP - Ø 6x8 hose
Control Air	F 1/8" NPS	M 1/8" BSP - Ø 4x6 hose
Spraying air	F 1/4" NPS	Straight M 1/4" BSP - M 1/4" NPS for conductive hose Ø8 int min

AIRCAP N3C

A 25F FLOWMAX® GUN KIT WITH BASE

Description	Projector type	Max Fluid viscosity in CA 4	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number with base
							
A25F Flowmax®	07 N3C	20 - 30s	0.7	200	10	24	151.260.809
A25F Flowmax®	09 N3C	20 - 30s	0.9	250	10	26	151.260.810
A25F Flowmax®	12 N3C	20 - 30s	1.2	300	10	34	151.260.811

A25F FLOWMAX® GUN - STAINLESS STEEL

PART NUMBERS

Product viscosity in CA4 (s) or centipoises (cps)	Description	Tip Size (mm)	Air consumption (m^3/h)	Fluid flow rate (l/mn)	Fan width at 20 cm (cm)		Nozzle	Aircap		Needle
					Minimum	Maximum	part number	Type	part number	Part number for A25F
										
< 20 s	07 N 3C	0.7	22	180	6	35	134.021.100	N 3C	132.021.750	033.420.100
	09 N 3C	0.9	22	250	6	35	134.020.100	N3C	132.021.750	033.420.100
	12 N 3C	1.2	22	350	6	35	134.020.200	N3C	132.021.750	033.420.100
	07 N 23C	0.7	22	180	6	35	134.021.100	N 23C	132.021.700	033.420.100
	09 N 23C	0.9	22	250	6	35	134.020.100	N 23C	132.021.700	033.420.100
	12 N 23C	1.2	22	350	6	35	134.020.200	N 23C	132.021.700	033.420.100
	07 LP 23	0.7	22	180	6	35	134.021.100	LP 23	132.060.100	033.420.100
	209 LP 23	0.9	22	250	6	35	134.020.100	LP23	132.060.100	033.420.100
	212 LP 23	1.2	22	350	6	35	134.020.200	LP 23	132.060.100	033.420.100

SUPPORTS

Description	Part number
Mounting support Ø 16	049.351.000
Mounting support Ø 12	049.351.700
Adjustable mounting support for Ø12 support	049.351.705
Protective cap (x10)	106.380.818

KITS

Description	Part number
Remote adjusting fan width kit	029.253.002

A 29 HTI SPRAY GUN

Universal gun suitable for a wide range of applications - Recommended for filled materials and small output applications requiring high precision.
High finish quality thanks to HTi technology.

FEATURES	BENEFITS
High opening/closing frequency	Intensive production
Needle sealing done by a self-adjusting cartridge	Outstanding reliability
Independant fan and atomization control	Optimized finish quality and pattern size
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Optimized inlet and outlet fluid ports	Optimum spraying of high viscosity materials (circulation recommended to keep product homogeneity)

SPECIFICATIONS

Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	3
Fluid output (l/mn)	upon tip
Weight (g) (gun only)	585
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	20 - 30
Fluid circulation	yes
Wetted parts	Stainless steel - Treated stainless steel

FITTINGS

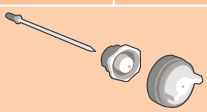
Power supply	Gun	Hoses
Fluid	M 3/8 NPS	Ø 7 mn Int hose
Atomization air	Quick fittings	Ø 8 x 10 polyamide hose
Pilot air	Quick fittings	Ø 4 x 6 polyamide hose

AIRCAP
E3 KHVLP

CONFIGURATION OF THE A 29 HTI SPRAY GUN FITTED WITH KHVLP AIRCAP

Description	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
						
A 29 HTi	06 E3 KHVLP	0.6	150	10	25	135.310.012
A 29 HTi	07 E3 KHVLP	0.7	200	10	29	135.310.001
A 29 HTi	09 E3 KHVLP	0.9	250	10	35	135.310.002
A 29 HTi	12 E3 KHVLP	1.2	300	10	38	135.310.003
A 29 HTi	15 E3 KHVLP	1.5	350	10	41	135.310.004
A 29 HTi	18 E3 KHVLP	1.8	400	10	43	135.310.005

PROJECTORS EP3 K HVLP FOR A29 HTI GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles Size (mm)	Air consumption (m3/h)	Fluid flow rate (l/mn)	Fan width at 20 cm (cm) Maximum	Fan width at 20 cm (cm) Minimum	Projector Type	Projector Part number	Nozzle part number	Aircap Part number	Needle part number
										
< 20 s	0.6	20 - 30	150	25	10	06 E3 K HVLP	031.300.012	134.130.050	132.300.100	033.300.100
	0.7	20 - 30	200	29	10	07 E3 K HVLP	031.300.001	134.130.100	132.300.100	033.300.100
	0.9	20 - 30	250	35	10	09 E3 K HVLP	031.300.002	134.130.200	132.300.100	033.300.100
	1.2	20 - 30	300	38	10	12 E3 K HVLP	031.300.003	134.130.300	132.300.100	033.300.100
20 - 40 s	1.5	20 - 30	350	41	10	15 E3 K HVLP	031.300.004	134.130.600	132.300.100	033.300.200
	1.8	20 - 30	400	43	10	18 E3 K HVLP	031.300.005	134.130.700	132.300.100	033.300.200

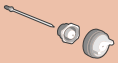
A 29 HTI SPRAY GUN

AIRCAP EP3

CONFIGURATION OF THE A 29 HTI SPRAY GUN FITTED WITH EP3 AIRCAP

Description	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
						
A 29 HTi	06 EP3	0.6	150	10	24	135.310.011
A 29 HTi	07 EP3	0.7	200	10	25	135.310.006
A 29 HTi	09 EP3	0.9	250	10	31	135.310.007
A 29 HTi	12 EP3	1.2	300	10	32	135.310.008
A 29 HTi	15 EP3	1.5	350	10	34	135.310.009
A 29 HTi	18 EP3	1.8	400	10	38	135.310.010

PROJECTORS EP3 FOR A29 HTI GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles Size (mm)	Air consumption (m^3/h)	Fluid flow rate (l/mn)	Fan width at 20 cm (cm) Maximum	Fan width at 20 cm (cm) Minimum	Projector Type	Projector Part number	Nozzle Part number	Aircap Part number	Needle Part number
										
< 20 s	0.6	21 - 29	150	24	10	06 EP3	031.300.011	134.130.050	132.300.300	033.300.100
	0.7	21 - 29	200	25	10	07 EP3	031.300.006	134.130.100	132.300.300	033.300.100
	0.9	21 - 29	250	31	10	09 EP3	031.300.007	134.130.200	132.300.300	033.300.100
	1.2	21 - 29	300	32	10	12 EP3	031.300.008	134.130.300	132.300.300	033.300.100
20 - 40 s	1.5	21 - 29	350	34	10	15 EP3	031.300.009	134.130.600	132.300.300	033.300.200
	1.8	21 - 29	400	38	10	18 EP3	031.300.010	134.130.700	132.300.300	033.300.200

SUPPORTS AND ACCESSORIES

Description	Part number
Mounting support Ø 16	049.351.000
Adjustable mounting support for Ø12 support	049.351.705
Protective cap (x10)	106.380.818

A 29 HPA SPRAY GUN

Universal gun suitable for a wide range of applications - Recommended for filled materials and small output applications requiring high precision.
High finish quality thanks to HPA technology.

FEATURES	BENEFITS
High opening/closing frequency	Intensive production
Needle sealing done by a self-adjusting cartridge	Outstanding reliability
New EN 3L aircap	Unsurpassed wide fan pattern
Independant fan and atomization control	Optimized finish quality and pattern size
Indexed aircap 0 - 90°	Perfect readjustment of fan pattern
Fluid output adjustment by indexed button	High precision fluid regulation
Optimized inlet and outlet fluid ports	Optimum spraying of high viscosity materials (circulation recommended to keep product homogeneity)

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	3
Fluid output (l/mn)	upon tip
Weight (g) (gun only)	585
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	24 - 44
Wetted parts	Aluminum - Stainless steel

FITTINGS		
Power supply	Gun	Hoses
Fluid	M 3/8 NPS	Ø 7 mm int hose
Atomization air	Quick fittings	Ø 8 x 10 polyamide hose
Pilot air	Quick fittings	Ø 4 x 6 polyamide hose

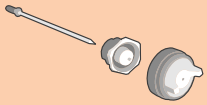
AIRCAP EN 3L

CONFIGURATION OF THE A 29 HPA SPRAY GUN

Description	Projector type	Nozzles Size (mm)	Fluid output (cc/mn)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Part number
						
A 29 HPA	06 EN 3L	0.6	150	10	30	135.315.006
A 29 HPA	07 EN 3L	0.7	200	10	31	135.315.001
A 29 HPA	09 EN 3L	0.9	250	10	34	135.315.002
A 29 HPA	12 EN 3L	1.2	300	10	38	135.315.003
A 29 HPA	15 EN 3L	1.5	350	10	39	135.315.004
A 29 HPA	18 EN 3L	1.8	400	10	41	135.315.005

A 29 HPA SPRAY GUN

PROJECTORS EN 3L K FOR A29 HPA GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles Size (mm)	Fluid flow rate (l/mn)	Air consumption (m^3/h)	Fan width at 20 cm (cm) Minimum	Fan width at 20 cm (cm) Maximum	Projector Type	Projector Part number	Nozzle Part number	Aircap Part number	Needle Part number
										
< 20 s	0.6	150	24 - 44	10	30	06 EN 3L	031.305.006	134.130.050	132.305.200	033.300.100
	0.7	200	24 - 44	10	31	07 EN 3L	031.305.001	134.130.100	132.305.200	033.300.100
	0.9	250	24 - 44	10	34	09 EN 3L	031.305.002	134.130.200	132.305.200	033.300.100
	1.2	300	24 - 44	10	38	12 EN 3L	031.305.003	134.130.300	132.305.200	033.300.100
20 - 40 s	1.5	350	24 - 44	10	39	15 EN 3L	031.305.004	134.130.600	132.305.200	033.300.200
	1.8	400	24 - 44	10	41	18 EN 3L	031.305.005	134.130.700	132.305.200	033.300.200

SUPPORTS AND ACCESSORIES

Description	Part number
Mounting support Ø 16	049.351.000
Adjustable mounting support for Ø12 support	049.351.705
Protective cap for automatic guns (6)	106.380.856

A28 HPA SPRAY GUN - STAINLESS STEEL

Automatic gun with Superlife technology (Kremlin patent) for enamels, high solids and solvent-free materials.

FEATURES	BENEFITS
Patented Superlife™ diaphragm packing (without packings)	Delivers more than 4 - 5 times a standard package operational life
Hardened S/S nozzle with removable polyurethan end needle	Extends the nozzle lifetime and reduced and quick on site maintenance
Separate fan width and atomization air adjustment	Allows for optimum spray pattern and finish quality
Optimized inlet and outlet fluid ports	Optimum spraying of high viscosity materials (circulation recommended to keep product homogeneity)

SPECIFICATIONS

Maximum air inlet pressure (bar)	6
Trigger air pressure (bar mini)	5,5
Maximum fluid pressure (bar)	3
Recommended atomization air pressure (bar)	6
Fluid output (l/mn)	Upon tip
Weight (g)	1050
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	24 @ 4 bar
Body of the gun	Stainless steel
Wetted parts	Stainless steel, treated stainless steel, PTFE, elastomer polyurethan

FITTINGS

Power supply	Gun	Recommended hoses
Fluid	F 3/8" NPS	Ø 10 mm internal
Trigger air	F 1/8" NPS	Ø 6 or 8 mm upon frequency of use
Spraying air	F 1/4" NPS	Ø 10 mm internal

AIRCAP
Z 23A
N 23C

CONFIGURATION OF THE A28 GUN

Designation	Projector type	Use	Nozzle Diameter	Fan width (cm)	Fluid output (cc/mn)	Part number
						
A 28 HPA	-	Gun w/o projector	-	-	-	129.417.000
A 28 HPA	207 Z 23A	flat pattern	0.7	20-30	100	135.417.001
A 28 HPA	209 Z 23A	flat pattern	0.9	20-30	200	135.417.002
A 28 HPA	212 Z 23A	flat pattern	1.2	20-30	400	135.417.003
A 28 HPA	212 N 23C	flat pattern low pressure	1.2	20-30	400	135.417.004
A 28 HPA	215 N 23C	flat pattern	1.5	25-35	500	135.417.005
A 28 HPA	218 N 23C	flat pattern	1.8	25-35	600	135.417.006

SEAL KITS

Description	Part number
Seal kit	129.417.900
Repair kit	129.417.901

SUPPORT ET ACCESSOIRES

Description	Part number
Fixing bracket	029.417.011
M5 x 16 Screw	933.011.194
Pin	906.120.089

A28 HPA SPRAY GUN - STAINLESS STEEL

AIRCAPS FOR A28

Description	Part number
	
Z 23 A	132.020.550
07N 3C	132.021.750
R 23	132.021.300
R 24	132.021.800
R 29	132.021.400
S 23	132.021.900
S 29	132.021.500

TREATED NOZZLES FOR A28

Description	Part number
	
207T	134.025.050
209T	134.025.100
212T	134.025.200
215T	134.025.300
218T	134.025.400
222T	134.025.600
227T	134.025.700
233T	134.025.800
240T	134.025.900

SPECIFIC NEEDLE FOR A28

Description	Specific needle for A28 (without needle-end)
Dedicated needle (diaphragm assembly)	129.417.910

NEEDLE TIP KIT FOR DEDICATED A28 NEEDLE

Description	Part number
Needle tip kit for nozzles sized 7 to 23 (x10)	129.417.005
Needle tip kit for nozzles sized 33 and 40 (x10)	129.417.014
PEHD needle tip kit for nozzles 15 and 18 (x5)	129.417.020

KITS

Description	Part number
Remote adjusting fan width kit for A26 - A28	029.417.019

A3 HPA SPRAY GUN

For delicate work.

FEATURES	BENEFITS
GL specific projectors mounting	For lines
Optimized inlet and outlet fluid ports	Quick color changes and flushing (recommended circulation to maintain fluid homogeneity)

SPECIFICATIONS

Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	3 - 5
Fluid flow rate (l/mn)	Upon nozzle selected
Weight (g)	320
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	20
Body of the gun	Aluminum
Wetted parts	Aluminum, stainless steel, treated stainless steel

FITTINGS

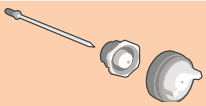
Power supply	Gun	Fitting
Fluid	F 1/8 NPS	Not supplied
Control air	F 1/8" NPS	Straight M 1/8" BSP - Hose Ø 4 x 6
Pulverization air	F 1/8 NPS	Not supplied

AIRCAP
PX
GL

CONFIGURATION

Description	Max Fluid viscosity in CA 4	Projector type	Nozzles	Fan width at 20 cm (cm)		Fluid output (cc/mn)	Part number w/o base plate
			Size (mm)	Minimum	Maximum		
A3 HPA	20 s	08 PX	0.8	3	10	200	135.713.014
A3 HPA	20 s	10 PX	1	4	15	300	135.713.011
A3 HPA	20 s	06 GL	0.6	0.4	2.5	180	135.713.017
A3 HPA	20 s	10 GL	1	0.4	3	300	135.713.015
A3 HPA	30 s	12 PX	1.2	5	15	450	135.713.012

PROJECTORS FOR A3 HPA GUNS

Product viscosity in CA4 (s) or centipoises (cps)	Nozzles	Fan width at 20 cm (cm)		Fluid flow rate (l/mn)	Air consumption (m^3/h)	Description	Projector	Nozzle	Aircap	Needle
	Size (mm)	Minimum	Maximum				Part number	Part number	Part number	Part number
										
< 20 s	0.8	3	10	100	10	08 PX	031.713.014	134.630.400	132.631.100	033.713.400
	1	4	15	120	10	10 PX	031.713.011	134.630.100	132.631.100	033.713.000
	1.2	5	15	150	10	12 PX	031.713.012	134.630.200	132.631.100	033.713.100
	0.6	0.4	2.5	80	10	06 GL	031.713.017	134.640.300	132.640.100	033.713.500
	1	0.4	3	120	10	10 GL	031.713.015	134.640.100	132.640.100	033.713.300

SUPPORT

Description	Part number
Mounting support (Ø16 - length 3.9 inch)	049.351.200

KITS

Description du kit	Kit part number
A3 indexed needle adjustment kit (precise output adjustment with indexed positioning)	129.713.050

PMP 150 PRATIK PUMP

1 2 3 4 5 6 7

The PMP-150 Pratik diaphragm pump is a floor mounted version and is designed for applications requiring a 1: 1 pressure ratio and can be used on some adhesive applications and harsh or high viscosity coatings.

FEATURES	BENEFITS
Simple design	Easy operation and maintenance
Double material diaphragm out of PTFE and nitrile	Compatible with most water-based materials Quick motor inversion
Rugged design	Easy to carry

SPECIFICATIONS

Pressure ratio	1/1
Fluid volume per cycle (cm^3)	100
Number of cycles per litre of products	10
Air consumption (m^3/h) at 30 cycles/mn at 4 bar	1.1
Fluid Output at 30 cycles/mn (l/mn)	3
Free flow rate (L/mn)	19
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Sound level (dBA)	<70
Weight (kg) - bare pump	5
Wetted parts	PTFE, Polypropylene, Stainless steel
Height (cm)	87
Width (cm)	39
Depth (cm)	40

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 18 x 125
	Fluid Outlet	M 3/8" NPS

CONFIGURATION OF THE PMP 150 PRATIK PUMP

Set-up	Suction rod	Drain rod Ø 6x8	Air motor power regulator	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Without cup	●	●	-	●	●	-	151.758.000
Without cup	●	●	●	●	●	-	151.758.300

SEAL PACKS

Description	Part number
PMP motor seal kit	144.931.091
Fluid section seal kit (PTFE)	144.931.092
Fluid section seal kit (EPDM)	144.931.095
Fluid section seal kit (FPM)	144.931.096

FITTING FOR ELECTROSTATIC INSTALLATION (K3 AND SPRAYMIUM)

Description	Part number
Adaptator F 38"NPS/M 1/2" JIC	050.123.306

TRIPOD, CUPS AND SUCTION RODS

Description	Part number
Stand for PMP 150	051.755.010
2 liters gravity cup kit with bracket	151.758.100
2 liters gravity cup kit without bracket	151.662.355
Suction rod 18 x 125 fitting - plunger tube length 600mm	049.596.010

PMP 150 PRATIK PUMP KITS

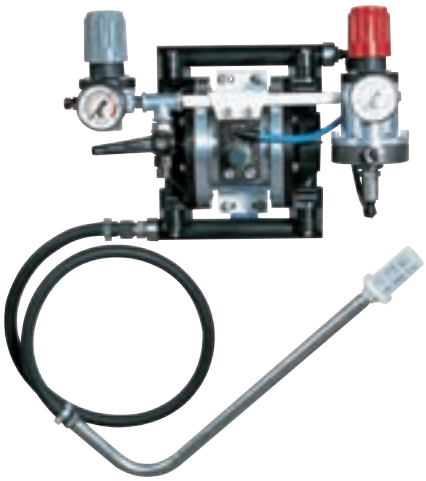
Kit designation	Gun type	Hoses Length (m)	Cup	Kit part number
PMP 150 Pratik	M2209 E3 K HVLP	7.5	●	151.249.100
PMP 150 Pratik	M 2215 EN 3	7.5	●	151.249.060

PMP 150 PUMP

1 2 3 4 5 6 7

The PMP-150 diaphragm pump is designed for applications requiring a 1: 1 pressure ratio and can be used on some adhesive applications and harsh or high viscosity coatings.

FEATURES	BENEFITS
Simple design	Easy operation and maintenance
Double material diaphragm out of PTFE and nitrile	Compatible with most of solvent or water-based products. Quick motor inversion
Compact design	Easy to carry



SPECIFICATIONS

Pressure ratio	1/1
Fluid volume per cycle (cm^3)	100
Number of cycles per litre of products	10
Air consumption (m^3/h) at 30 cycles/mn at 4 bar	1.1
Fluid Output at 30 cycles/mn (l/mn)	3
Free flow rate (L/mn)	19
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Sound level (dBA)	<70
Weight (kg) - bare pump	5
Wetted parts	PTFE, Polypropylene, Stainless steel
Height (cm) - wall-mounted	24
Width (cm) - wall-mounted pump	36
Depth (cm) - wall-mounted pump	26

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 18 x 125
	Fluid Outlet	M 3/8" NPS

CONFIGURATION OF THE PMP 150 PUMP

Set-up	Air motor power regulator	Atomization air regulator	Air regulator Fluid pressure	Suction rod	Drain rod	Pump output filter	Part number
Bare pump	-	-	-	-	-	-	144.931.000
Wall mounted	●	●	●	-	-	-	151.759.900
Wall mounted	-	●	●	●	-	-	151.751.000
Wall mounted	●	●	●	●	-	-	151.753.000
Wall mounted	●	●	●	●	-	●	151.759.100
Cart mounted	-	●	●	●	-	-	151.752.000
Cart mounted	●	●	●	●	-	-	151.754.000
Wall-mounted with stainless steel circulation	-	●	●	●	-	-	151.757.000

OPTIONS

Description	Can be fitted on	Part number
Fluid pressure air regulator	Wall-mounted and mobile pumps	151.753.010
Stainless steel circulation kit (to be included: wall bracket ref: 056.100.199)	Wall-mounted and mobile pumps	151.757.010
Motor air supply kit	Bare pump	151.753.050

SEAL KITS

Description	Part number
PMP motor seal kit	144.931.091
Fluid section seal kit (PTFE)	144.931.092
Fluid section seal kit (EPDM)	144.931.095
Fluid section seal kit (FPM)	144.931.096

PMP 150 PUMP

FITTING FOR ELECTROSTATIC INSTALLATION (K3 AND SPRAYMIUM)

Description	Part number
Adaptator F 38"NPS/M 1/2" JIC	050.123.306

CARTS, CUPS AND SUCTION RODS

Description	Part number
2 liters gravity cup kit with bracket	151.758.100
Tripod for PMP 150	051.755.010
2 liters gravity cup kit without bracket	151.662.355
Single Post Cart	051.730.110
Complete wall mounting bracket	051.751.030
Suction rod 18 x 125 fitting - plunger tube length 600mm	049.596.010

KITS FOR PMP 150 PUMPS

Kit designation	Gun type	Hoses Length (m)	Kit part number
PMP 150 standard wall-mounted	M2215 EN 3	7.5	151.249.040
PMP 150 standard wall-mounted with stainless steel circulation	M2215 EN 3	7.5	151.249.050
PMP 150 standard wall mounted	M2209 E 3 K HVLP	7.5	151.249.080
PMP 150 standard wall-mounted with stainless steel circulation	M2209 E 3 K HVLP	7.5	151.249.090

PMP 150 E PUMP

The PMP 150E diaphragm pump is a packing free pump designed with special balls and seats to pump abrasive water-based coatings such as porcelain enamel.

FEATURES	BENEFITS
Simple and rugged design	Compatible with a wide range of materials
Compact design	Easy to carry
Charged polypropylene diaphragm and polyurethane balls	Compatible with water-based and enamels

SPECIFICATIONS

Pressure ratio	1/1
Fluid volume per cycle (cm^3)	100
Number of cycles per litre of products	10
Air consumption (m^3/h) at 30 cycles/mn at 4 bar	1.1
Fluid Output at 30 cycles/mn (l/mn)	3
Free flow rate (L/mn)	19
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Sound level (dBA)	<70
Weight (kg) - bare pump	5
Diaphragm material	Polyurethane
Wetted parts	Polypropylene, PTFE, polyurethane
Height (cm)	22
Width (cm)	20
Depth (cm)	15

FITTINGS

Fitting	Air Inlet	F 3/8" BSP
	Fluid Inlet	F 3/8" BSP
	Fluid Outlet	F 3/8" BSP

CONFIGURATION OF THE PMP 150E PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	144.932.000

OPTIONS

Description	Part number
Motor air supply kit	151.753.050

SEAL PACKS

Description	Part number
PMP motor seal kit	144.931.091
Fluid section seal kit (PTFE)	144.931.092

CARTS, CUPS AND SUCTION RODS

Description	Part number
Tripod for PMP 150	051.755.010
2 liters gravity cup kit with bracket	151.758.100
2 liters gravity cup kit without bracket	151.662.355
Single Post Cart	051.730.110
Complete wall mounting bracket	051.751.030

PMP 150 TRANSFER PUMP

1 2 3 4 5 6 7

The PMP-150 diaphragm pump is designed for fluid transfer applications.

FEATURES	BENEFITS
Large suction fluid passage	Possibility of large outputs
Double material diaphragm out of PTFE and nitrile	Compatible with most of solvent or water-based products. Quick motor inversion
Simple design	Easy operation and maintenance
Compact design	Easy set-up in the workshop

SPECIFICATIONS

Pressure ratio	1/1
Fluid volume per cycle (cm3)	100
Number of cycles per litre of products	10
Air consumption (m^3/h) at 30 cycles/mn at 4 bar	1.1
Fluid Output at 30 cycles/mn (l/mn)	3
Free flow rate (L/mn)	19
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Sound level (dBA)	<70
Weight (kg) - bare pump	7.4
Wetted parts	PTFE, Polypropylene, Stainless steel
Height (cm)	22
Width (cm)	20
Depth (cm)	15

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Fluid Inlet	F 3/4" NPS
	Fluid Outlet	F 3/8" BSP

CONFIGURATION OF THE PMP 150 PUMP

Set-up	Air motor power regulator	Air regulator Fluid pressure	Fluid pressure regulator	Suction rod	Drain rod	Pump output filter	Part number
Bare Transfer PMP 150 pump	●	-	-	-	-	-	151.752.500

OPTION

Description	Part number
Motor air supply kit	151.753.050

SEAL KITS

Description	Part number
PMP motor seal kit	144.931.091
Fluid section seal kit (PTFE)	144.931.092

02.75 PUMP

1 2 3 4 5 6 7

The 02.75 piston pump is designed for use with a single or multiple gun system spraying medium viscosity coatings. It can also be used on a heated circulation system.

FEATURES	BENEFITS
Compact design	Easily integrated into a finish workshop
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Available in stainless steel version	Compatible with water-based materials

SPECIFICATIONS

Pressure ratio		1.8/1
Fluid volume per cycle (cm^3)		85
Number of cycles per litre of products		12
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		2.1
Fluid Output at 30 cycles/mn (l/mn)		2.6
Free flow rate (L/mn)		5.1
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		10
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		81
Sealing Packings	Upper sealing	GT cartridge with polyethylene packing
	Lower sealing	Acetal resin seal
Weight (kg) - bare pump		5
Wetted parts		Aluminum, stainless steel
Height (cm)		41
Width (cm) - 2 regulators		28
Depth (cm)		17

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 18x125
	Fluid Outlet	M 3/8" NPS

CONFIGURATION OF THE 02.75 PUMP

Set-up	Additional regulator	Atomization air regulator	Air regulator Fluid pressure	Suction rod	Drain rod	Pump output filter	Part number
Standard, bare	-	-	-	-	-	-	144.941.000
Standard, wall-mounted	-	●	●	●	-	-	151.760.200
Bare, stainless steel	-	-	-	-	-	-	144.940.000
Wall-mounted, stainless steel	-	●	●	●	-	-	151.761.200
Wall-mounted, stainless steel with 2 air regulotor and 1 fluid regulator	●	●	●	●	-	-	151.761.400

SEAL KITS

Description	Part number
Seal kit for 75 fluid section	144.941.490
Repair kit for 75 fluid section	144.941.495
Seal kit for 340-2 air motor	144.850.150

FITTING FOR ELECTROSTATIC INSTALLATION (K3 AND SPRAYMIUM)

Description	Part number
Adaptator F 38"NPS/M 1/2" JIC	050.123.306

CARTS AND SUCTION RODS

Description	Part number
Single Post Cart	051.730.110
Suction rod 18 x 125 fitting - plunger tube length 600mm	049.596.010

PRESSURE POTS

To feed, under pressure, all airspray guns.
Conforms to the european legislation regarding the use of equipment under pressure (97/23/CE).

SPECIFICATIONS

Type		5 liters	5 liters	10 liters	10 liters	10 liters
Vessel coating		Rilsanised	Rilsanised	Galvanised	Galvanised	Galvanised
Internal diameter (mm)		175	175	250	250	250
Total height (vessel + cover) (mm)		580	580	665	665	665
Vessel height (mm)		322	322	340	340	340
Weight (kg)		9	9	20	20	20
Maximum fluid pressure (bar)		3.8	3.8	3.8	3.8	3.8
Pressure air regulator		1/4"	1/4"	1/4"	1/4"	1/4"
Air regulator	Gun	-	-	1/4"	1/4"	1/4"
Removable stainless steel bucket		-	-	-	-	●
Agitator		-	-	-	●	●
Fluid output(s)		Upper	Lower	Upper	Upper	Upper
Part number		052.460.000	053.960.000	152.036.130	152.036.110	152.036.120

SPECIFICATIONS

Type		30 liters	30 liters	30 liters	52 liters	52 liters	52 liters
Vessel coating		Galvanised	Galvanised	Galvanised	Galvanised	Galvanised	Galvanised
Internal diameter (mm)		320	320	320	400	400	400
Total height (vessel + cover) (mm)		830	830	830	865	865	865
Vessel height (mm)		505	505	505	520	520	520
Weight (kg)		33	33	33	42	42	42
Maximum fluid pressure (bar)		3.8	3.8	3.8	3.8	3.8	3.8
Pressure air regulator		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Air regulator	Gun	1/4"	1/4"	1/4"	1/2"	1/2"	1/2"
Removable stainless steel bucket		-	-	●	-	-	●
Agitator		-	●	●	-	●	●
Fluid output(s)		Upper	Upper	Upper	Upper (x2)	Upper (x2)	Upper (x2)
Part number		152.126.000	152.126.100	152.126.110	152.220.100	152.220.150	152.220.200

FITTINGS

Type		5 liters pressure pot	10 to 30 liters pressure pots	50 liters pressure pot
Fitting	Air Inlet	M 1/4" NPS	F 3/4" NPS	F 3/4" NPS
	Air Outlet	M 1/4" NPS	M 1/4" NPS	(x2) M 1/4" NPS
	Fluid Outlet	M 3/8" NPS	M 3/8" NPS	(x2) M 3/8" NPS

FITTING FOR ELECTROSTATIC INSTALLATION (K3 AND SPRAYMIUM)

Description	Part number
Adaptator F 3 8"NPS/M 1/2" JIC	050.123.306

STAINLESS STEEL PRESSURE POTS

To feed, under pressure, all airspray guns.
Conforms to the legislation regarding the use of equipment under pressure (97/23/CE)

SPECIFICATIONS

Type	15 liters	30 liters	52 liters
Cover material	Stainless steel	Stainless steel	Stainless steel
Vessel material	Stainless steel	Stainless steel	Stainless steel
Internal diameter (mm)	290	290	290
Total height (vessel + cover) (mm)	490	780	1135
Vessel, cover and agitator height (mm)	625	915	1185
Operational Internal height (mm)	180	460	730
Number of clamps	4	4	4
Weight (without/with agitator) (kg)	21/23	23/25	31/33
Number of handle (s)	2	2	2
Valve adjustment (psi)	6	6	6
Maximum fluid pressure (bar)	6	6	6
Maximum Fluid Temperature (°C)	50	50	50
Pressure air regulator	1	1	1
Number of regulators	0	0	0
Number of fluid outputs	2 (Top and Bottom)		
Agitator	According to model		

FITTINGS

Type			15 liters	30 liters	52 liters
Fitting	Air Inlet		3/8" BSP	3/8" BSP	3/8" BSP
	Fluid outlet	Lower	1" NPT	1" NPT	1" NPT
		Upper	3/8" NPS	3/8" NPS	3/8" NPS

PRESSURE POTS PART NUMBERS

Capacity (L)	Pneumatic agitator	Pressure air regulator	Number of fluid outputs		Part number
			Bottom	Top	
15 Liters	-	●	1	1	106.650.15.02
15 Liters	●	●	1	1	106.650.15.03
30 Liters	-	●	1	1	106.650.30.02
30 Liters	●	●	1	1	106.650.30.03
52 Liters	-	●	1	1	106.650.50.02
52 Liters	●	●	1	1	106.650.50.03

FITTING FOR ELECTROSTATIC INSTALLATION (K3 AND SPRAYMIUM)

Description	Part number
Adaptator F 38"NPS/M 1/2" JIC	050.123.306

■ Funnels with removable strainers for pressure pots

FUNNELS

Description	Diameter (mm)	Use	Part number
Large funnels with 2 strainers (510 and 210 µ)	400	10 L - 30 L	057.110.000
Small funnels with 2 strainers (510 and 210 µ)	180	5 L	057.090.000

STRAINERS

Description	Diameter (mm)	Size (µ)	Part number
Spare element for large funnel	200	210	057.110.200
	200	510	057.110.100
Spare strainer for small funnel	75	210	057.090.200
	75	510	057.090.100

■ Accessories and parts

Compatible with acetone based products

ACCESSORIES

Description	Capacity (L)	Ø/Dimensions	Part number
Stainless steel spare bucket	10	Ø240 x 265	053.330.200
	30	Ø300 x 420	053.410.200
	50	Ø380 x 420	052.220.015
Cover seal	5	Ø 175	052.440.001
	10	Ø 250	052.010.002
	30	Ø 320	052.050.008
	50	Ø 400	052.130.006
EPDM cover seal(1)	5	Ø 175	052.440.002
	10	Ø 250	052.010.022
	30	Ø 320	052.050.013
	50	Ø 400	052.130.009

(1)* Recommended with acetone products

REGULATORS

Description	Part number
Red knob regulator	016.240.000
2 regulators 1/4" with isolating valves 2 manometers, 1 inlet valve - 1 outlet valve M 1/4" NPS	019.400.000
2 regulators (1/4" + 1/2") with isolating valves 2 manometers, 1 inlet valve - 2 outlet valves M 1/4" NPS	019.390.000

MOTORIZED AGITATOR

Description	Capacity (L)	Part number
10 L	10	052.220.055
30 L	30	052.126.010
52 L	50	052.220.050

BP 60 HEATERS

Their original design ensures an optimized heat transfer, with no risk of burning the paint in the heater.
This equipment will allow you to reduce the viscosity of paints without using solvents.
It guarantees an outstanding finish quality, whatever the ambient temperature may be.

This version of the equipment is to be used only for water-based materials.

FEATURES	BENEFITS
A thermometer is integrated into the command box	No pressure loss when working with high viscosity materials
Modular design	Easy maintenance

SPECIFICATIONS	
Termostatic type	Liquid dilatation and dry contact
Thermal fuse	Cut-out at 121°C
Thermometer	Graduation 0 - 100°C
Temperature range (°C)	15 - 90
Pressure (bar)	250
Weight (kg)	23
Wetted parts	Body and fittings in stainless steel
Room temperature (°C)	40 maxi

BP HEATER - STAINLESS STEEL VERSION

Stainless steel heater	Volatge / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
BP60	230	1500	15 - 90	10	M 18×125	M 18×125	056.140.100

AD 60/61 HEATERS NON EXPLOSIVE

Original design ensuring optimum heat transfer with no risk of burning the paint in the heater.

To be used in zone 1 and 2 according to ATEX.

Agreement INERIS 03ATEX 0079X
II 2 G EEx d IIA T3

FEATURES	BENEFITS
A thermometer is integrated into the command box	No pressure loss when working with high viscosity materials
Modular design	Easy maintenance

SPECIFICATIONS	
Thermostat type	By fluid extension and dry contact
Thermal fuse	Cut at 121°C
Thermometer	Graduation 0 - 100°C
Temperature range (°C)	15 - 80
Pressure (bar)	240 maxi
Weight (kg)	Aluminum: 15.5 Stainless steel: 25
Wetted parts	Aluminum: aluminum body, galvanized chrome fittings Stainless steel: stainless steel body and fittings
Room temperature (°C)	40 maxi

AD HEATERS - ALUMINUM VERSION (SOLVENT-BASED MATERIALS)

Aluminum heater	Voltage / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
AD60	230	1500	15 - 80	10	M 1/2 JIC	M 1/2 JIC	056.126.000
AD61	115	1500	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.126.050

AD HEATERS - STAINLESS STEEL VERSIONS (SOLVEN OR WATER-BASED MATERIALS)

Stainless steel heater	Voltage / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
AD60	230	1500	15 - 80	10	M 1/2 JIC	M 1/2 JIC	056.146.000
AD61	115	1500	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.146.050
AD60	400	1250	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.146.070

■ Y- fitting - stainless steel

Allowing paint circulation on the gun while maintaining ease of use. Remote set-up possible using an additional hose.

Y-FITTING PART NUMBERS			
Description	**Fittings on gun**	**Hoses thread**	**Part number**
Stainless steel Y-fitting - for airspray guns	F 3/8" NPS	M 1/4" NPS	129.029.915

■ Circulation valve (for solvent-based materials)

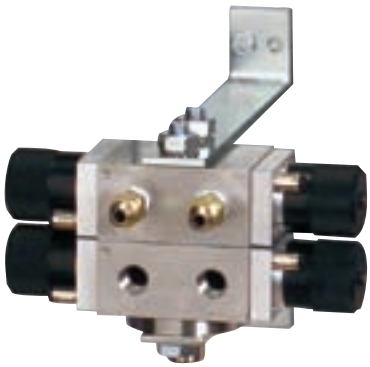
Allows you to set the perfect output for circulation.
Max. fluid pressure: 240 bar.

CIRCULATION VALVES PART NUMBERS (NON STAINLESS STEEL)					
Thread Pump intake	**Rod**	**Back fitting**	**Flushing valve**	**Flushing rod M 18 x 125**	**Part number**
F 26 x 125	M 26 x 125	M 1/2 JIC	●	●	051.314.010
M 1"G	M 35 x 150	M 3/4 JIC	●	●	051.341.100

CTM COLOR CHANGE VALVES

Recommended for a rapid color change, without the need to manipulate any fluid. At the same time, you will reduce costs through less down time and lower solvent consumption.

The solvent valve should be facing the fluid outlet.
- Two valves per module
- PTFE seals
- Modulable design allows for expansion
- Paint circulation through the valve
- Opening index as standard



CTM VALVE SPECIFICATIONS

Designation	Conventional
Max pressure (bar)	8
Ø of passage (mm)	8
Trigger air	for hose 2,7 × 4
Fluid inlet	F 1/4 NPS
Fluid outlet	F 1/4 NPS

ACCESSORIES

	Description	Part number
Conventional	Inlet module (product and solvent inlet)	155.535.100
Conventional	Intermediate module (product inlet)	155.535.200
Conventional	Outlet flange (product outlet)	155.535.500
Assembly module rods comes with outlet module: (1)	Assembly module rod (pack of 2) comes with outlet module:	
	1 module (1 inlet module + 1 outlet flange)	155.535.610
	2 modules (1 inlet module + 1 intermediate module + 1 outlet flange)	155.535.620
	3 modules (1 inlet module + 2 intermediate modules + 1 outlet flange)	155.535.630
	4 modules (1 inlet module + 3 intermediate modules + 1 outlet flange)	155.535.640
	5 modules (1 inlet module + 4 intermediate modules + 1 outlet flange)	155.535.650
	Assembly of 2 fixing squares	155.535.700

(1) Each module is equipped with a nut and a washer, the head of the screw must be placed on the outlet flange side.

PDM 01.175 PUMP

Diaphragm pump specifically designed for circulatings and feeding automatic machines.

FEATURES	BENEFITS
Simple design	Easy operation and maintenance
Diaphragm made of PTFE	Compatible with most water-based materials
Compact design	Easy to carry

SPECIFICATIONS	
Pressure ratio	1/1
Fluid volume per cycle (cm^3)	350
Number of cycles per litre of products	3
Fluid Output at 30 cycles/mn (l/mn)	10.5
Free flow rate (L/mn)	38
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	6
Maximum Fluid Temperature (°C)	50
Sound level (dBA)	<70
Weight (kg) - wall-mounted	13
Wetted parts	PTFE, Stainless steel, Aluminum
Height (cm)	29
Width (cm)	24.5
Depth (cm)	31.5

FITTINGS		
Fitting	Air Inlet	F 3/8" BSP
	Fluid Inlet	M 26 x 125
	Fluid Outlet	F 1/2" NPS

CONFIGURATION OF THE PDM 01.175 PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare pump	-	-	-	-	-	144.905.000
Wall mounted pump	●	-	-	●	-	151.656.000

SUCTION RODS

Description	Part number
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160

04.120 PUMP - STAINLESS STEEL

For medium viscosity products with 1 or several guns. For circulating and automatic machines.

FEATURES	BENEFITS
Compact design	Easy to carry
Rugged - High sealing capacity with singlelip seal	Compatible with a wide range of materials
Hot or cold spraying	To spray a large range of products with the best conditions

SPECIFICATIONS

Pressure ratio		4/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		7.2
Air Consumption @ 30 CPM at 5 bar		10.3
Free flow rate (L/mn)		14.4
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		24
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		80
Sealing Packings	Upper sealing	PTFE G + Polyfluid
	Lower sealing	PEHD
Weight (kg) - wall-mounted		27
Wetted parts		Stainless steel
Height (cm)		83
Width (cm)		40
Depth (cm)		21

FITTINGS

Fitting	Air Inlet	F 3/4 BSP
	Fluid Inlet	M 26x125
	Fluid Outlet	M 1/2 JIC

CONFIGURATION OF THE 04.120 PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	151.792.000
Wall-mounted	-	-	-	●	-	151.792.100
Wall-mounted	●	●	-	●	●	151.792.200
Cart-mounted	●	●	-	●	●	151.792.400

KITS

Description	Part number
Seal kit H120	144.970.090
Repair kit H120	144.970.095
Seal kit for 500-4 air motor	146.260.990
Repair kit for 500-4 air motor	146.260.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

04.120F FLOWMAX® PUMP - STAINLESS STEEL

Bellow pump - Flowmax® technology - without packings for automatic machines and circulating

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		4/1
Fluid volume per cycle (cm³)		240
Number of cycles per litre of products		4
Fluid Output at 30 Cycles/mn (l/mn)		7.2
Free flow rate (L/mn)		14.4
Air Consumption @ 30 CPM at 5 bar		10.3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		24
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		< 82
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Wetted parts		Stainless steel
Weight (kg)		27
Height (cm)		104
Width (cm)		40
Depth (cm)		21

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	M 26 x 125
	Fluid Outlet	M 3/8" NPS

CONFIGURATION OF THE FLOWMAX® 04.120F PUMP

Set-up	Drain rod	Suction rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	151.795.000
Wall-mounted	-	-	-	●	-	151.795.100
Wall-mounted	●	●	-	●	●	151.795.200
Cart-mounted	●	●	-	●	●	151.795.400

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

04.220F FLOWMAX® PUMP - STAINLESS STEEL

High output, cartridge free bellow pump for circulating and automatic machines.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		4/1
Fluid volume per cycle (cm3)		440
Number of cycles per litre of products		2.3
Fluid Output at 20 Cycles/mn (l/mn)		8.8
Free flow rate (L/mn)		26.4
Air Consumption @ 20 CPM at 5 bar		12.7
Maximum fluid pressure (bar)		24
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		78
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Wetted parts		Hard chrome stainless steel, stainless steel and carbide
Weight (kg)		52
Height (cm)		110
Width (cm)		38
Depth (cm)		27.5

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	F 3/4" BSP
	Fluid Outlet	F 3/4" BSP

CONFIGURATION OF THE FLOWMAX® 04.220F PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Wall-mounted	-	-	-	●	-	151.862.200
Turbo wall-mounted	-	-	-	●	-	151.863.200

CARTS, FILTER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel Accumulator equipped filter 3/4"	155.581.400
Stainless steel flushing rod F18 x 125	049.596.000

■ Pressure regulator - low pressure manual control

Made entirely out of stainless steel, easy to flush.

CHARACTERISTICS		
Pressure range (bar)	Inlet	40 max.
	Outlet (upon version)	0.5 - 4
Weight (kg)		1.3
Width (cm)		8.5
Height (cm)	Large passages	17
	Small passage	16.5
Wetted parts		Stainless steel, PTFE, carbide

REGULATOR FITTINGS LARGE PASSAGE		
Fitting	Fluid inlet (w/o adaptator)	M 1/4 BSP
	Fluid Outlet	F 1/4 BSP (x2)

REGULATOR FITTINGS SMALL PASSAGE		
Fitting	Fluid Inlet	F 1/4 NPS
	Fluid Outlet	F 1/4 BSP (x2)

CONFIGURATION		
Description	**Manometer**	**Part number**
Bare pressure regulator PP (small passage)	-	155.610.200
Pressure regulator PP (small passage)	●	155.610.209
Bare pressure regulator GP (large passage) - charged materials	-	155.610.250
Pressure regulator GP (large passage) - charged materials	●	155.610.259

■ Pressure regulator - Piloted low pressure

Available in stainless steel or non-stick treated versions, excellent flushing.
Manual control version available for a very fine regulation and even flow.

Piloted regulator

CHARACTERISTICS			
Pressure range (bar)	Inlet	Small passage	40 max
		Large passage	6 max
		manual command	10 max
	Outlet		0.5 -4 bar
	Command air		6 max
Wetted parts			Stainless steel, PTFE, carbide

SMALL PASSAGE REGULATOR - FITTINGS AND DIMENSIONS		
Fitting	Fluid Inlet	F 1/4" NPS
	Fluid Outlet	F 1/4" BSP
	Air inlet (command)	F 1/8" BSP
Weight (kg)		1
Width (cm)		8.5
Height (cm)		7.3

LARGE PASSAGE REGULATOR - FITTINGS AND DIMENSIONS		
Fitting	Fluid Inlet	M 1/4" BSP + (M18x125, M3/8" NPS, M3/8"BSP)
	Fluid Outlet	F 1/4 BSP
	Air inlet (command)	F 1/8 BSP
Weight (kg)		1
Width (cm)		7.3
Height (cm)		8.5

■ Pressure regulator - Piloted low pressure (continued)

MANUAL CONTROL PILOTED REGULATOR - FITTINGS AND DIMENSIONS		
Fitting	Fluid Inlet	M 1/4" BSP + (M18x125, M3/8" NPS, M3/8"BSP)
	Fluid Outlet	F 1/4" BSP
Weight (kg)		1.6
Width (cm)		20
Height (cm)		8.5

CONFIGURATION		
Description	**Material**	**Part number**
Piloted stainless steel pressure regulator	Stainless steel small passages	155.610.230
Piloted stainless steel pressure regulator large passage	Stainless steel large passages	155.610.050
Piloted non-stick treated pressure regulator	Non-stick	055.370.100
Piloted regulator with wall bracket and pressure gauge	Stainless steel	155.610.060

Piloted regulator manual control

■ Pressure regulator - Back low pressure

Available in stainless steel manual control version.

SPECIFICATIONS	
Pressure (bar) - regulated materials	4 max
Weight (kg)	1.3
Width (cm)	8.5
Height (cm)	16.8
Wetted parts	Stainless steel, PTFE, carbide

FITTINGS		
Fitting	Fluid Inlet	F 1/4" BSP
	Fluid Outlet	M 1/4" BSP + (M18x125, M3/8"NPS, M 3/8"BSP)

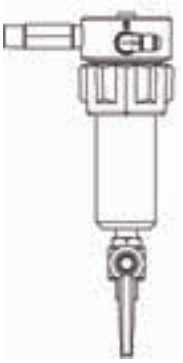
CONFIGURATION	
Description	**Part number**
Back pressure regulator	155.610.100
Options:	-
- Wall bracket	016.200.010
- Pressure gauge: stainless MF 1/4 elbow	050.470.101
Stainless steel tube	050.081.701
Stainless steel shroud	050.470.301
Gauge	910.011.402

■ High pressure gauges

Metal pressure gauge with glass and glycerin lens; totally impact and solvent resistant.

HIGH PRESSURE GAUGES				
Description	**Pressure range (bar)**	**Fitting**	**Internal diameter (mm)**	**Part number**
Diaphragm high pressure gauge	0 - 250	M 3/8" NPS	50	155.271.790
Pressure gauge side inlet	0 - 120	M 1/4 G	63	910.010.802
Pressure gauge side inlet	0 - 400	M 1/4 G	63	910.010.801

■ Filter 60 bar



CONFIGURATION	
Description	**Part number**
Stainless steel filter fitting lenght 70 mm (MM 3/8" NPT)	055.580.301
Wall-mounted bracket and screws for 3/8", 3/4" and 1" filter with 9 digits part numbers	155.190.105

EQUIPPED FILTER						
Description	**Maximum fluid pressure (bar)**	**Stainless steel screen for filter**	**Thread**			**Part number**
			Inlet	**Outlet**	**Drain**	
3/8" stainless steel filter-medium pressure	60	6	F 3/8" NPT (x1)	F 3/8" NPT (x2)	F 3/8" G cuve (x1)	155.580.500
Stainless steel Filter 3/8"-Low pressure	60	6	M 1/4" NPT	M 1/2" JIC(1)	M 18x125	155.580.510

(1) See adaptation fitting F1/2 JIC/M3/8 NPS reference 050.123.533

■ Strainers for suction rods

STRAINERS CONFIGURATION						
Pump	**Height (mm)**	**External diameter (mm)**	**Material**	**Filtration size**		**Part number**
				Micron	**Mesh**	
PMP150 / 02.75	60	40	Polyamide	300	50	051.531.600
PDM 01.75 / 04.120 / 04.120F	40	48	Inox	1000	15	149.596.152
04.220 F	112	66	Polyamide	1000	15	149.591.400

■ Screen and cartridges for fluid filter

SCREEN CONFIGURATION (FILTRATION SURFACE 65 CM²)				
Filter number	**Filtration size**		**Nozzle size**	**Part number**
	Micron	**Mesh**		
1	40	325	3	000.161.101
2	74	200	4	000.161.102
3	90	170	4	000.161.103
4	100	140	4	000.161.104
6	168	85	6	000.161.106
8	210	70	09 & 14	000.161.108
12	280	55	20	000.161.112
15	360	45	30 & 45	000.161.115
20	510	30	< 68	000.161.020
30	750	20	< 68	000.161.030

NOTES

CYCLIX™ AGITATORS FOR 20-40-200 L DRUMS

This elevator-agitator for 20-40 to 200l drums features a double-effect jack for a fast lift of a stainless steel cover fitted for a quick material drum change. The cover is equipped with a motorized agitator fitted with blades for low viscosity materials and a full stainless steel rod.

The elevator is coming on a large fixing plate which makes it very stable and easy to install in paint kitchens, existing installations or an essential component of new installations.

FEATURES	BENEFITS
Stainless steel (agitator cover, suction and drain rods)	Compatibility with all materials
Adjustable suction rod height	No product loss
Suction and return tubes	Suitable for recirculating
Double effect jack with 3 positions command lever: up, stop, down	Important flexibility
The agitator cannot work during elevator movements	Security

CHARACTERISTICS

Capacity (L)		20 - 40	200
Motor type		Pneumatic	Pneumatic
Reductor type		-	Gear train
Rotation speed (rpm)		60 - 300	5 - 90
Motor torque	Nm	2.2	34

CYCLIX™ PART NUMBERS FOR 20 - 40 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 20 -40 l drums	1024 (min) - 1500 (max)	-	-	-	151.081.000
Agitator for 20 -40 l drums	-	400	134	-	154.261.700
Cover for 20 -40 l drums	-	-	-	400	154.261.600
Suction/exhaust kit	-	-	-	-	154.261.800

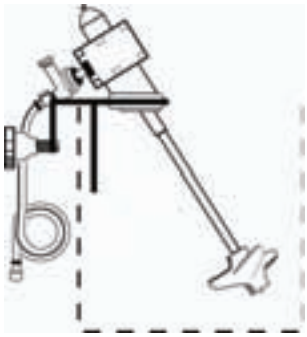
CYCLIX™ PART NUMBERS FOR 200 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 200 l drums	1510 (mini) - 2410 (maxi)	-	-	-	151.091.000
Agitator for 200 l drums	-	800	370	-	154.261.300
Cover for 200 l drums	-	-	-	635	154.261.200
Suction/exhaust kit	-	-	-	-	154.261.400

RECOMMENDED ACCESSORIES

Description	Part number
1/4" air lubrificator + support	154.261.997
Exhaust assembly with oil recovery (length 1 m)	154.261.996
Air feeding kit	154.261.930
Drum roller unit for 200 litres drum	151.098.100
Slotted paddle for thick materials	154.261.952

■ Agitators for edge pail mounting



Agitator for barrel edge mounting.
Minimum barrell height of 300 mm

AGITATORS	
Description	**Part number**
Bare agitator	051.332.610
Agitator with 25 cm hose	051.332.600
Agitator with 5 m hose	049.220.710
System for barrel mounting	049.220.720

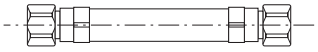
■ Stainless steel agitators on cover

Stainless steel Agitator:
For drums diameter between 295 and 325 mm
Minimum drum height of 390 mm

AGITATORS	
Description	**Part number**
Stainless steel agitator for Ø325 cover	903.290.101

■ Product hoses for airspray spraying

A hose carrying paint must be able to resist most solvents.
For conventional spraying, Kremlin offers two types of hose:
● Flexible blue paint rubber with internal sheath in PEBD for most solvents
● White polyamide: when the paint is thicker, to reduce pressure losses.



HOSES CONFIGURATION

Designation	Part number					
Material	**Rubber/ PEBD internal sheath**			**Polyamide(1)**		
Internal diameter mm	6.35 (1/4")	9.52 (3/8")	16	6.35 (1/4")		9.52 (3/8")
Maximum pressure: bar	10		7	10		
Color	blue			white		
Temperature	up to 60 °C					
P.N. without fitting 5 m	050.362.004	050.361.005	050.363.005	050.370.805		050.370.905
P.N. without fitting 15m	050.362.003	050.361.004	050.363.004	050.370.804		050.370.904
P.N. without fitting 25m	050.362.001	050.361.001	050.363.001	050.370.801		050.370.901
P.N. without fitting 100m	050.362.002	050.361.002	050.363.003	050.370.803		050.370.903
SK collar	906.311.236	906.311.226	906.311.207	-	-	-
lengths with fittings part number						
A and B fitting (free nut)	1/4" NPS	3/8" NPS	- -	1/4" NPS	3/8" NPS	
0.55 m		050.361.103				
1 m	050.362.451(2)	-	050.361.108	-	-	-	-
2 m	-	-	-	-	-	-	050.370.504
5 m	050.362.101	050.362.603	050.361.105	-	050.370.301	050.370.201	050.370.502
7.5 m	050.362.104	050.362.601	050.361.102	-	-	-	-
10 m	050.362.102	050.362.602	050.361.106	-	050.370.302	050.370.202	050.370.503

(1) Recommended for glues
(2) Elbow fitting

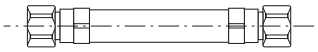
■ Product hoses for suction rod

HOSE FOR SUCTION ROD

Designation	Part number		
Polyethylene hose sleeve	**Ø 9.5 mm**	**Ø 19 mm**	**Ø 25 mm**
5 m cut	050.361.005	050.366.051	050.367.001
15 m cut	050.361.004	050.366.052	-
25 m cut	050.361.001	050.366.053	050.367.003
Grooved conical fitting	050.140.517	050.140.545	050.140.543
Nickeled nut fitting	050.271.303	050.271.502	049.595.306
SK collar	906.311.234	906.311.207	906.311.204

■ Nitrile air hoses

To use so that the equipment (gun and pump) have the same potential



HOSES CONFIGURATION				
Description	**Part number**			
Material	Nitrile	Nitrile	Nitrile	Nitrile
Color	Black	Black	Black	Black
Internal diameter (mm)	7	8	10	16
Conductor	yes	yes	yes	yes
Color	Gold	Green	White	Blue
Maximum pressure bar	10			
P.N. by 5m without fitting	050.382.005	050.389.004	050.381.005	050.383.005
P.N. by 15m without fitting	050.382.004	050.389.003	050.381.004	050.383.004
P.N. by 25m without fitting	050.382.001	050.389.001	050.381.001	050.383.001
P.N. by 100m without fitting	050.382.002	050.389.002	050.381.002	-
Collar SK	906.311.224	906.311.224	906.311.226	906.311.232
Part number according to length with fittings				
Fitting A and B	1/4" NPS		3/8" NPS	26 x 125
0.25 m	-	-	-	050.383.107
0.35 m	050.382.101	-	-	-
0.45 m	-	-	-	050.383.109
0.70 m	050.382.104	050.389.104	-	050.383.104
0.75 m	-	-	-	050.383.110
2 m	050.382.111	-	-	-
5 m	050.382.109	050.389.101	050.381.101	-
7.5 m	050.382.114	050.389.103	-	-
10 m	050.382.110	050.389.102	050.381.102	-
15 m	050.382.116	050.389.105	-	-
20 m	050.382.113	-	-	-
25 m	050.382.217			

■ Polyamid or polyurethane air hoses

HOSES CONFIGURATION								
Description	**Part number**							
Matière	**Polyamide**					**Polyurethan**		
Color	translucent			black		blue		black
Internal diameter (mm)	2.7 x 4	4 x 6	6 x 8	6 x 8	8 x 10	4 x 6	6 x 8	8 x 12
Conductive	No							
Maximum operating pressure bar	10							
Temperature	up to 60 °C							
P.N. without fittings								
25 m	-	050.371.001	050.371.002	-	-	-	-	-
5 m	-	-	-	-	-	-	050.380.200	-
7.5 m	-	-	-	-	-	-	050.380.250	-

■ Hose sleeve

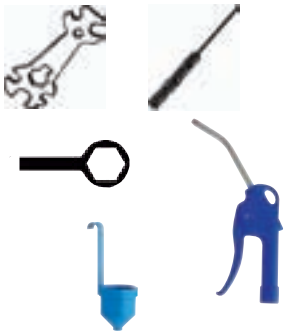
PART NUMBERS			
Description	**Product hole (mm)**	**Length (m)**	**Part number**
Hoses Sleeve	40	10	129.270.087

■ Lubricants and greases for pumps

LUBRICANT FOR PUMP PACKINGS	
Description	**Part number**
Lubricants for pump fittings	
T lubricant (1/4 l) can for solvent-based paints	149.990.020
Kit of 3 T lubricant cans (2L each)	151.260.820
Kit of 3 P lubricant cans (2L each)	151.260.821
Grease	
Vaseline 1 kg "special PMP"	560.440.002
Box of 450 g PTFE grease	560.440.001
Techni Lub tube	560.440.101
Box of grease (450g)	560.420.005

■ Miscellaneous

PART NUMBERS	
Description	**Part number**
M22/Xcite™ gun wrench	049.030.042
Large size brush	906.300.101
Small size brush	906.300.102
Wrench for product filters	049.030.018
Large blow gun	129.371.000
Viscosity cup N° 4 CA4	049.221.400
Thickness gauge from 25 to 2000µ	000.790.020
Adhesive-roller with KREMLIN REXSON logo (75mm x 100m)	571.141.003



RC 500 FULL VISOR MASK

Maximum protection for excellent working conditions, optimal health protection with low operating costs. The RC 500 is compliant with the latest european norms (EN14594, EN 166)

FEATURES	BENEFITS
Complete assembly with protection screen	Complete protection of the operator face and eyes (against isocyanates especially)
Performant air adduction by active carbon filter	Reliable operator health protection against all type of paints, dust...
Light and ergonomic	Reduced fatigue and excellent working conditions for increased productivity
Low airflow alarm	Constant operator protection
Adjustable head and front protection	Suitable for everyone and user-friendly
Easy disposable screen protectors	Easy maintenance

RC500 complete assembly

SPECIFICATIONS	
Operating pressure (bar)	2 - 7
Working air flow (l/mn)	180
Maximum temperature (°C)	35

CONFIGURATION OF THE RC 500 FULL-VISOR MASK

Description	Part number
RC 500 full-visor mask complete (without network 10m air hose)	143.390.000
General supply air hose (compliant - length 10m)	143.390.140

ACCESSORIES

Description	Quantity	Part number
RC 500 full-visor mask alone (without belt or supply 10m air hose)	1	143.390.100
Screen protector	10	143.390.120
Belt with active carbon filter	1	143.390.110
Active carbon filters cartridges	2	143.390.130
Mask/belt air hose	1	143.390.150

RC 756 RESPIRATORS

Lightweight, comfortable respirators efficient for each type of paint and compliant with the latest european norms (Respirator: EN 140, Filters: EN 14393)

FEATURES	BENEFITS
Respirator body made of silicone	Hypoallergenic and high comfort
Equipped with large inlet and outlet valves	Easy breathing
Double fixing straps	Comfortable
Double filters	Performance (large diameter), visibility and high level of safety
Three high performance filters type available (solvented, water-based or multi with isocyante materials)	For an optimal protection whatever the type of paint used

CONFIGURATION OF THE RC 756 RESPIRATOR

Description	Part number
RC 756 respirator	143.380.100
RC 756 respirator for SOLVENT-BASED PAINTS - A1 filters	143.380.200
RC 756 respirator for WATER-BASED PAINTS - A1B1P3 filters	143.380.300
RC 756 respirator for PLURAL COMPONENT PAINTS - ISOCYANATES - A1B1E1K1P3 filters	143.380.400

FILTERS & PRE-FILTERS

Description	Type	Quantity	Part number
Filters for solvented paints	A1	10	143.380.210
Filters for water-based paints	A1B1P3	5	143.380.310
Filters for plural-components-isocyanates	A1B1E1K1P3	5	143.380.410
Pre-filters for A1 filters	-	25	143.380.110

ACCESSORIES

Description	Quantity	Part number
Attach strap	1	143.380.120
Spare inlet/outlet valves	3	143.380.130

■ Protective overalls

Protects the operator. Comfortable to wear, giving protection for dust or plush.
- Conforms to European Standards
- Made in non-woven fabric, they come with elasticated wrists and wide trouser legs to protect footwear

PART NUMBERS

Description	Size	Quantity	Part number
Overalls Size S for 5 sets	S	5	564.504.001
Overalls Size M for 5 sets	M	5	564.504.002
Overalls Size L for 5 sets	L	5	564.504.003
Overalls Size XL for 5 sets	XL	5	564.504.004
Overalls Size XXL for 5 sets	XXL	5	564.504.005

■ Protective hood

Protects the head and hair
- Non-woven, light and lets the skin breathe
- Conforms to European Standards

PART NUMBERS

Description	Quantity	Part number
Protective hood	5	043.250.001

NOTES

AIRMIX®
SPRAYING

XCITE™ AIRMIX® GUN

1 2 3 4 5 6 7

New Sensations for New Performances

The Xcite™ gun is the result of KREMLIN REXSON experience since 1925. The Xcite™ gun brings an excellent comfort to the operator. Its ultra light trigger, its design, its ergonomy and its swivel fitting reduce the operator fatigue, improve the productivity and stop all risks of RSI (Repetitive strains injuries)

The new Xcite™ gun uses high quality components which ensure a perfect reliability maintaining a high level of performances. The last generation of Airmix® atomization aircap offers unsurpassed finish quality.

The sprayer has the ability to significantly vary the pattern without changing the tip while using minimum atomization air and pressure. It's really useful when painting complex shape parts.

86%* TRANSFERT EFFICIENCY HVLP COMPLIANT

+/- 2% according to norm (EN 13966-1)

FEATURES	BENEFITS
Ergonomic design and light trigger Product swivel fitting	Reduced fatigue and excellent working conditions for increased productivity
Product fluid passages in stainless steel	Compatible with water-based materials
Nickeled brass air needle	Long service life and good reliability
Large and fine fan width adjustment	Ability to adjust the fan width to the shape of the part to be painted leads to higher efficiency and productivity
Increased atomization quality Increased transfer efficiency	Outstanding spraying quality with reduced overspray
E-Z adjust aircap	Simple using

SPECIFICATIONS		
Sprayed materials		Polyurethanes, water-based products, high solids, two-components products, stains, lacquers, varnishes, etc.
Body of the gun		Forged aluminum
Fluid Pressure Range (bar)		20 - 200
Maximum air inlet pressure (bar)		6
Recommended atomization air pressure (bar)		0.7 - 3
Fluid output (l/mn)		Depends on the tip used
Weigth	construction without fluid swivel fitting (g)	498
	construction with fluid swivel fitting (g)	564
Maximum Fluid Temperature (°C)		50
Air consumption (m^3/h)		3.2 - 7.5
Wetted parts		Stainless steel, PTFE, carbide
Safety		Trigger lock
Filter (fitted on fluid tube)		#6 - 85 mesh/ 168µ

FITTINGS		
Fitting	Air Inlet	M 1/4 NPS
Swivel fitting	Fluid Inlet	M 1/2" JIC

AIRCAP
VX 24 KHVLP

CONFIGURATION OF THE XCITE™ SPRAY GUN WITH AIRCAP AND FLUID SWIVEL FITTING

Gun type	Aircap	Tip	Maximum fluid pressure (bar)	Seat	Part number
Xcite™ 120	VX 24 KHVLP	To be ordered separately (see table)	120	Stainless steel	135.720.100
Xcite™ 200	VX 24 KHVLP	To be ordered separately (see table)	200	Carbide	135.720.200

XCITE™ AIRMIX® GUN

AIRCAP
VX 24 KHVLP

CONFIGURATION OF THE XCITE™ SPRAY GUN WITH AIRCAP WITHOUT FLUID SWIVEL FITTING

Gun type	Aircap	Tip	Maximum fluid pressure (bar)	Seat	Part number
Xcite™ 120	VX 24 KHVLP	To be ordered separately (see table)	120	Stainless steel	135.720.120
Xcite™ 200	VX 24 KHVLP	To be ordered separately (see table)	200	Carbide	135.720.220

SEAL KITS

Description	Part number
Seal kit for Xcite™ gun (fluid)	129.729.901
Seal kit for Xcite™ gun (air)	129.729.908
Repair kit for Xcite™ gun (seal kits included)	129.729.903

OLD GENERATION SEAL KITS

Description	Part number
Seal kit for MVX spray gun	129.679.901
Repair kit for MVX spray gun (seal kit included)	129.679.902

XCITE™ KITS WITH AIR AND FLUID HOSES

Description	Aircap Type	Tip	Diameter Fluid hose (mm)	Diameter Conductive air hose (mm)	Hoses Length (m)	Kit part number
Xcite™ 120	VX 24 K HVLP	To be ordered separately (see table)	4.8	7	7.5	151.260.960
Xcite™ 200	VX 24 K HVLP	To be ordered separately (see table)	4.8	7	7.5	151.260.961

XCITE™ AIR AND FLUID HOSES KITS

Description	Diameter Fluid hose (mm)	Diameter Conductive air hose (mm)	Maximum fluid pressure (bar)	Hoses Length (m)	Hoses protection	Kit part number
Fluid and air hoses kit	4.8	7	120	7.5	●	151.260.988
Fluid and air hoses kit	4.8	7	240	7.5	●	151.260.989

■ Aircaps for AIRMIX® spray guns

AIRCAP FOR XCITE™ SPRAY GUN

	VX24
	
For XCITE™ spray guns	132.720.020
Adjustable fan	●
Spraying quality	Excellent
Transfer efficiency	Excellent
Non-stick coating	-

AIRCAPS FOR OLD STYLE AIRMIX® SPRAY GUNS

	VX 14
	
For MVX spray gun	132.670.920
Spraying quality	Excellent

AIRMIX® TIPS

The choice of the tip must be done according to the desired flowrate in order to achieve a good finish and reduce paint costs. An AIRMIX® tip needs to be replaced frequently in order to maintain the original transfer efficiency.
To order a tip, replace the "x" characters in the table, by the chosen tip number in 134.5xx.xx4 for a Fine Finish or 134.5xx.xx2 for an Xtra™ Fine Finish tip, recommended for water-based materials or for an increased atomization quality due to the pre-atomization . (For example: order 134.509.094 (Fine Finish) or 134.509.092 (Xtra™ Fine Finish) if choosing a 09.09 tip) (only 100.21 tip has part number 134.100.214)

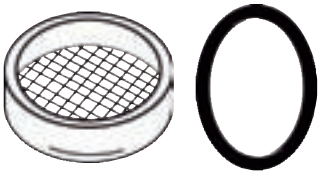
TABLE OF FINE FINISH TIPS

		Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Screen mar-king for filter	Mar-king on pump filter	Average width of fan at a distance of 25cm									
		Pres-sure (bar)	Pres-sure (bar)	Pres-sure (bar)	Pres-sure (bar)												
Caliber	(mm)	35	70	120	200	Gun	Pump	9	12	17	21	25	29	33	37	44	56
02	0.15	0.07	0.10	0.13	0.17	4	2	02.03	02.05			02.11					
03	0.18	0.11	0.15	0.20	0.26	4	2	03.03	03.05	03.07			03.13				
04	0.23	0.16	0.22	0.29	0.38	4	2 or 4	04.03	04.05	04.07	04.09	04.11	04.13				
06	0.28	0.23	0.33	0.43	0.57	4	4 or 6	06.03	06.05	06.07	06.09	06.11	06.13	06.15			
07	0.30	0.28	0.39	0.51	0.66	6	4 or 6							07.15			
09	0.33	0.32	0.45	0.59	0.77	6	6 or 8	09.03	09.05	09.07	09.09	09.11	09.13	09.15	09.17		
12	0.38	0.42	0.60	0.79	1.03	6	8 or 12			12.07	12.09	12.11	12.13	12.15	12.17		
14	0.41	0.51	0.72	0.94	1.23	12	8 or 12		14.05	14.07	14.09	14.11	14.13	14.15	14.17		
18	0.48	0.67	0.95	1.24	1.63	12	12						18.13	18.15	18.17	18.19	
20	0.50	0.75	1.06	1.39	1.82	12	12			20.07	20.09	20.11	20.13	20.15	20.17	20.19	
25	0.56	0.94	1.33	1.74	2.28	12	15						25.13		25.17		
30	0.61	1.13	1.60	2.09	2.74	12	15					30.11	30.13	30.15	30.17	30.19	
40	0.72	1.54	2.18	2.85	3.73	12	20								40.17		
45	0.76	1.68	2.38	3.12	4.08	12	20					45.11		45.15	45.17	45.19	
100	1.04	3.96	5.68	7.33	9.47	12	20 - 30								100.17		100.21

TABLE OF XTRA™ FINE FINISH TIP

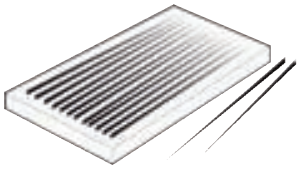
		Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Screen marking for filter	Mar-king on pump filter	Average width of fan at a distance of 25cm							
		Pressure (bar)	Pressure (bar)	Pressure (bar)	Pressure (bar)										
Caliber	(mm)	35	70	120	200	Gun	Pump	9	12	17	21	25	29	33	37
04	0.23	0.16	0.22	0.29	0.38	4	2 or 4	04.03	04.05	04.07	04.09	04.11			
06	0.28	0.23	0.33	0.43	0.57	4	4 or 6	06.03	06.05	06.07	06.09	06.11	06.13	06.15	
07	0.30	0.28	0.39	0.51	0.66	6	4 or 6							07.15	
09	0.33	0.32	0.45	0.59	0.77	6	6 or 8	09.03	09.05	09.07	09.09	09.11	09.13	09.15	
12	0.38	0.42	0.60	0.79	1.03	6	8 or 12			12.07	12.09	12.11	12.13	12.15	12.17
14	0.41	0.51	0.72	0.94	1.23	12	8 or 12		14.05	14.07	14.09	14.11	14.13	14.15	14.17

■ Microscreens and tip seals



PART NUMBERS		
Tip size	**Microscreen (99 µ) (pack of 10)**	**PTFE O'ring seals (pack of 10)**
02-03-04-06	129.609.901	-
09 and above	-	129.529.903

■ Tip Cleaning Needles



PART NUMBERS			
Description	**Nozzles Size (mm)**	**Quantity**	**Part number**
Unclogging needles	≤ 0.9	12	000.094.000
Unplugging needles	≥ 0.9	12	000.094.002

■ Seats for spray guns

SEATS FOR XCITE™ SPRAY GUNS		
Type	**Quantity**	**Part number**
Polyacetal	10	129.729.904
Stainless steel with seal	2	129.729.905
Carbide with seal	2	129.679.906

SEATS FOR MVX SPRAY GUNS		
Type	**Quantity**	**Part number**
Polyacetal	10	129.679.904
Stainless steel with seal	2	129.679.905
Carbide with seal	2	129.679.906

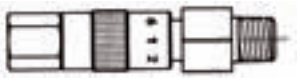
SEAL KIT FOR AIRMIX® GUNS		
Description	**Quantity**	**Part number**
Seals for stainless steel or carbide seats	10	129.629.922

■ Gun fluid filter screen

PART NUMBERS			
Stainless steel screen for filter	**Size (µ)**	**Quantity**	**Part number**
N° 4	100	5	129.609.907
N° 6	168	5	129.609.908
N° 12	280	5	129.609.909

■ Adjusting needles valves

For air adjustment at the gun inlet



ADJUSTING NEEDLE VALVES	
Description	**Part number**
Adjusting needle for Xcite™, MVX, MXLT (MF 1/4") spray guns	050.070.190

■ Extensions for Airmix® spray guns

AIRMIX® spray guns can be fitted with extensions in order to spray inaccessible areas.

EXTENSIONS FOR XCITE™ SPRAY GUNS		
Description	**Length in mm**	**Part number**
Straight extension	400	075.810.010

EXTENSIONS FOR MVX SPRAY GUNS		
Description	**Length in mm**	**Part number**
Straight extension	400	075.800.012
Elbow extension (45° angle)	250	075.850.011

■ Adaptor to feed two or three guns

To supply 2 guns with air and solvent-based paint including shut-off valves and an extra-port to fit a third gun (non stainless steel construction)

ADAPTOR TO FEED TWO OR THREE GUNS	
Description	**Part number**
Adaptor divider	051.319.905

■ Y-fitting for one additional gun supply

Fluid circuit: remove the plug of the second fluid filter outlet and connect the elbow fitting.
Air circuit: add the Y-fitting to the outlet of the air regulator on the pump.

TWO-GUN SYSTEM		
Description	**Material**	**Part number**
Air Y-fitting 1/4" NPS	Stainless steel	129.029.920
Elbow fitting 3/8" NPT - 1/2" JIC to fit on the second fluid filter outlet	Stainless steel	905.210.603

NOTES

AVX AIRMIX® SPRAY GUN - STAINLESS STEEL

Light AIRMIX® technology - Modular design for High Volume Production
The AVX Airmix® gun, thanks to its size and reduced weight increase the performances and the efficiency of the automatic machines.
The atomization quality offered by last generation aircaps and tips guarantees a finish quality and very important product savings.
The fluid circulation is available in the base (no pressure loss) or inside the gun (quick flushing).

+/- 2% according to norm (EN 13966-1)

FEATURES	BENEFITS
Light AIRMIX® technology: Reduced size and weight	Optimal application performances
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Stainless steel design	Compatible with water-based materials
Choice of circulation in the base or the gun	Performance level guaranteed for most materials and easy flushing
Choice of bases with rear or side connections	To fit each customer need
Choice of tips for water-based materials	The design of the gun optimizes performances and even flow. Dedicated tips (Xtra™ Fine Finish) optimizes application performances
Adjusting fan width kit as an option	To benefit from large possibilities of fan or flowrate adjustment

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	200
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	0.7 - 3
Fluid output (cc/mn)	Upon tip (see Airmix® table)
Weight (g) (gun only)	452
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	3 - 7.5
Wetted parts	Stainless steel - treated stainless steel
Seat	Comes in stainless steel, carbide or polyacetal as an option

FITTINGS		
Power supply	Gun base	Fittings supplied, non fitted
Fluid	F 1/4" NPS	M 1/2 JIC - blue Airmix® hose, Ø 4.8 or 6,35 mm
Atomization air	F 1/4" NPS	M 1/4" NPS - air hose Ø 7 int
Pilot air	F 1/8" NPS	Quick fittings - polyamide hose Ø 4x6

CONFIGURATION OF THE AVX GUN FITTED WITHOUT BASE

Description	Version	Aircap	Nozzle	Part number
AVX gun (⊥)	circulation in the base	(1)	(1)	129.690.000
AVX gun (Ω)	circulation in the gun	(1)	(1)	129.691.000

CONFIGURATION OF THE AVX GUN FITTED WITH BASE

Description	Base type	Version	Aircap	Nozzle	Part number
AVX gun (⊥)	side outputs	circulation in the base	(1)	(1)	129.695.000
AVX gun (Ω)	side outputs	circulation in the gun	(1)	(1)	129.695.100
AVX gun (⊥)	rear outputs	circulation in the base	(1)	(1)	129.695.050
AVX gun (Ω)	rear outputs	circulation in the gun	(1)	(1)	129.695.150

(1) To be ordered separately - see table page 99

KITS

Description	Part number
AVX seal kit (air and fluid)	129.690.901

AVX AIRMIX® SPRAY GUN - STAINLESS STEEL

BASES FOR THE AVX GUN

Description	Base type	Weight (g)	Wetted parts	Part number
Base for AVX (circulation in the base (⊥)	side outlet	240	stainless steel	129.690.070
Base for AVX (circulation in the gun (Ω)				129.691.070
Base for AVX (circulation in the base (⊥)	rear outlet	480	stainless steel	129.690.080
Base for AVX (circulation in the gun (Ω)				129.691.080

FITTING KITS

Description	Part number
Fitting kit for side outlet base	129.690.075
Fitting kit for rear outlet base	129.690.085

SUPPORTS

Description	Part number
Mounting support Ø 16	049.351.000
Mounting support Ø 12	049.351.700
Adjustable mounting support for Ø12 support	049.351.705

KIT

Description	Part number
Remote adjusting fan width kit	029.253.002

ATX AIRMIX® SPRAY GUN - STAINLESS STEEL

The ATX Airmix® gun, with its unsurpassed quality of atomization provides high finish qualityand important product savings. Worldwide recognized by professionals, ATX automatic guns are widely used in automatic finishing lines in most markets.
The fluid circulation is available in the base (no pressure loss) or inside the gun (quick flushing).

FEATURES	BENEFITS
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Modular design	Quick service: only 4 bolts to unscrew, no need to remove hoses
Stainless steel design	Compatible with water-based materials

SPECIFICATIONS

Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	200
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	1 - 3
Fluid output (cc/mn)	Upon tip (see Airmix® table)
Weight (g) (gun only)	750
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	3 - 7.5
Wetted parts	Stainless steel - treated stainless steel
Seat	Stainless steel

FITTINGS

Power supply	Gun base	Fittings supplied, non fitted
Fluid	F 1/4" NPS	Elbow M 1/4" NPT - M 1/2 JIC
Atomization air	F 1/4" NPS	M 1/8" BSP - 4x6 hose
Pilot air	F 1/8" NPS	M 1/4" BSP - M 1/4" NPS

CONFIGURATION OF THE ATX GUN FITTED WITHOUT BASE

Description	Version	Aircap	Nozzle	Part number
ATX gun (⊥)	circulation in the base	(1)	(1)	129.625.000
ATX gun (Ω)	circulation in the gun	(1)	(1)	129.626.505

(1) To be ordered separately - see table XXX

BASE FOR ATX GUN

Description	Base type	Weight (g)	Wetted parts	Part number
ATX base (circulation in the base (⊥)	side outlet	310	stainless steel	129.260.360
ATX base (circulation in the gun (Ω)				129.626.510

KITS

Description	Part number
ATX seal kit (air and fluid)	129.251.995
Support and screen n°2 kit	129.629.906
Support and screen n°4 kit	129.629.905
Support and screen n°6 kit	129.629.907
Support and screen n°12 kit	129.629.916

SUPPORTS

Description	Part number
Mounting support Ø 16	049.351.000
Mounting support Ø 12	049.351.700
Adjustable mounting support for Ø12 support	049.351.705

KIT

Description	Part number
Remote adjusting fan width kit	029.253.002

AXC AIRMIX® SPRAY GUN - STAINLESS STEEL

Compact AIRMIX® technology - reduced size.
The AXC Airmix® gun, thanks to its ultra-compact size and very reduced weight increases the performances and the efficiency of the automatic machines.
Large dimension fluid passages allos to handle a wide range of materials.
The atomization quality offered by last generation aircaps and tips guarantees a finish quality and very important product savings.

FEATURES	BENEFITS
Compact Airmix® technologie - reduced size and weight	Optimal application performances
Excellent atomization quality with outstanding transfer efficiency	Excellent finish quality, reduced paint costs, cleaner working environment, lower booth maintenance
Stainless steel design	Compatible with water-based materials
Choice of tips for water-based materials	The design of the gun optimizes performances and even flow. Dedicated tips (Xtra™ Fine Finish) optimizes application performances
Adjusting fan width kit as an option	To benefit from large possibilities of fan or flowrate adjustment

SPECIFICATIONS	
Maximum air inlet pressure (bar)	6
Maximum fluid pressure (bar)	200
Trigger air pressure (bar mini)	3
Recommended atomization air pressure (bar)	1 - 3
Fluid output (cc/mn)	Upon tip (see Airmix® table)
Weight (g) (gun only)	472
Maximum Fluid Temperature (°C)	50
Air consumption (m^3/h)	3 - 7.5
Wetted parts	Stainless steel - treated stainless steel
Seat	Comes in stainless steel, carbide or polyacetal as an option

FITTINGS	
Power supply	Fittings supplied, non fitted
Fluid	M 1/2 JIC - blue Airmix® hose, Ø 4,8 or 6,35 mm
Atomization air	Quick fittings - polyamide hose Ø 6x8
Pilot air	Quick fittings - polyamide hose Ø 4x6

CONFIGURATION OF THE AXC GUN

Description	Aircap	Nozzle	Part number
AXC gun w/o tip nor aircap and w/o Air Fittings	(1)	(1)	129.697.000

(1) To be ordered separately - see table 99

KITS	
Description	**Part number**
AXC seal kit (air and fluid)	129.697.901
Air inlet fitting kit	129.697.902

SUPPORTS	
Description	**Part number**
Mounting support Ø 16	049.351.000

KITS	
Description	**Part number**
Remote adjusting fan kit	129.697.250
Stainless steel Y-fitting - for AIRMIX® guns	029.520.500

■ Aircaps for AIRMIX® AVX, AXC and ATX

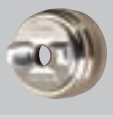
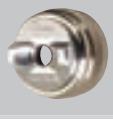
AIRCAPS FOR AVX SPRAY GUNS

	VX124	VX24	VX54
			
For AVX spray guns	132.720.055	132.720.025(1)	132.670.030
Adjustable fan	-	●	-
Spraying quality	Excellent	Excellent	Good
Transfer efficiency	Excellent	Excellent	Very good
Non-stick coating	-	-	●

AIRCAPS FOR ATX SPRAY GUNS

	BX116	BX16	BX 56
			
ATX gun	132.650.550	132.650.450(1)	132.650.300
Adjustable fan	-	●	-
Spraying quality	Excellent	Excellent	Good
Transfer efficiency	Good	Good	Very good
Non-stick coating	-	-	●

AIRCAPS FOR AXC SPRAY GUNS

	VX114	VX14	VX54
			
For AXC spray guns	132.670.940	132.670.920(1)	132.670.030
Adjustable fan	-	●	-
Spraying quality	Excellent	Excellent	Good
Transfer efficiency	Very good	Very good	Very good
Non-stick coating	-	-	●

(1) To be used with the remote fan width adjustment kit

AIRMIX® TIPS

The choice of the tip must be done according to the desired flowrate in order to achieve a good finish and reduce paint costs. An AIRMIX® tip needs to be replaced frequently in order to maintain the original transfer efficiency.
To order a tip, replace the "x" characters in the table, by the chosen tip number in 134.5xx.xx4 for a Fine Finish or 134.5xx.xx2 for an Xtra™ Fine Finish tip, recommended for water-based materials or for an increased atomization quality due to the pre-atomization . (For example: order 134.509.094 (Fine Finish) or 134.509.092 (Xtra™ Fine Finish) if choosing a 09.09 tip) (only 100.21 tip has part number 134.100.214)

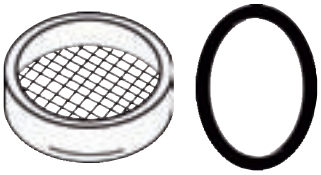
TABLE OF FINE FINISH TIPS

		Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Screen mar-king for filter	Mar-king on pump filter	Average width of fan at a distance of 25cm									
		Pres-sure (bar)	Pres-sure (bar)	Pres-sure (bar)	Pres-sure (bar)												
Caliber	(mm)	35	70	120	200	Gun	Pump	9	12	17	21	25	29	33	37	44	56
02	0.15	0.07	0.10	0.13	0.17	4	2	02.03	02.05			02.11					
03	0.18	0.11	0.15	0.20	0.26	4	2	03.03	03.05	03.07			03.13				
04	0.23	0.16	0.22	0.29	0.38	4	2 or 4	04.03	04.05	04.07	04.09	04.11	04.13				
06	0.28	0.23	0.33	0.43	0.57	4	4 or 6	06.03	06.05	06.07	06.09	06.11	06.13	06.15			
07	0.30	0.28	0.39	0.51	0.66	6	4 or 6							07.15			
09	0.33	0.32	0.45	0.59	0.77	6	6 or 8	09.03	09.05	09.07	09.09	09.11	09.13	09.15	09.17		
12	0.38	0.42	0.60	0.79	1.03	6	8 or 12			12.07	12.09	12.11	12.13	12.15	12.17		
14	0.41	0.51	0.72	0.94	1.23	12	8 or 12		14.05	14.07	14.09	14.11	14.13	14.15	14.17		
18	0.48	0.67	0.95	1.24	1.63	12	12						18.13	18.15	18.17	18.19	
20	0.50	0.75	1.06	1.39	1.82	12	12			20.07	20.09	20.11	20.13	20.15	20.17	20.19	
25	0.56	0.94	1.33	1.74	2.28	12	15						25.13		25.17		
30	0.61	1.13	1.60	2.09	2.74	12	15					30.11	30.13	30.15	30.17	30.19	
40	0.72	1.54	2.18	2.85	3.73	12	20								40.17		
45	0.76	1.68	2.38	3.12	4.08	12	20					45.11		45.15	45.17	45.19	
100	1.04	3.96	5.68	7.33	9.47	12	20 - 30								100.17		100.21

TABLE OF XTRA™ FINE FINISH TIP

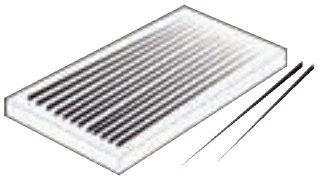
		Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Water output (l/mn)	Screen marking for filter	Mar-king on pump filter	Average width of fan at a distance of 25cm							
		Pressure (bar)	Pressure (bar)	Pressure (bar)	Pressure (bar)										
Caliber	(mm)	35	70	120	200	Gun	Pump	9	12	17	21	25	29	33	37
04	0.23	0.16	0.22	0.29	0.38	4	2 or 4	04.03	04.05	04.07	04.09	04.11			
06	0.28	0.23	0.33	0.43	0.57	4	4 or 6	06.03	06.05	06.07	06.09	06.11	06.13	06.15	
07	0.30	0.28	0.39	0.51	0.66	6	4 or 6							07.15	
09	0.33	0.32	0.45	0.59	0.77	6	6 or 8	09.03	09.05	09.07	09.09	09.11	09.13	09.15	
12	0.38	0.42	0.60	0.79	1.03	6	8 or 12			12.07	12.09	12.11	12.13	12.15	12.17
14	0.41	0.51	0.72	0.94	1.23	12	8 or 12		14.05	14.07	14.09	14.11	14.13	14.15	14.17

■ Microscreens and tip seals



PART NUMBERS		
Tip size	**Microscreen (99 µ) (pack of 10)**	**PTFE O'ring seals (pack of 10)**
02-03-04-06	129.609.901	-
09 and above	-	129.529.903

■ Tip Cleaning Needles



PART NUMBERS			
Description	**Nozzles Size (mm)**	**Quantity**	**Part number**
Unclogging needles	≤ 0.9	12	000.094.000
Unclogging needles	≥ 0.9	12	000.094.002

■ Seats for automatic spray guns

SEATS FOR AVX AND AXC		
Type	**Quantity**	**Part number**
Polyacetal	10	129.679.904
Stainless steel with seal	2	129.679.905
Carbide with seal	2	129.679.906

SEATS FOR ATX SPRAY GUNS		
Type	**Quantity**	**Part number**
Polyacetal	10	129.609.911
Stainless steel with seal	2	129.629.923
Carbide with seal	2	129.659.904

SEALS FOR AIRMIX® GUN SEATS		
Description	**Quantity**	**Part number**
Seals for stainless steel or carbide seats	10	129.629.922

■ In-line paint filter

With its compact dimensions, it fits on base of the handle or between two hoses

FILTERS					
Description	**Set-up**	**Maximum fluid pressure (bar)**	**Thread**		**Part number**
			Inlet	**Outlet**	
Stainless steel filters supplied with 6 screen - 168µ	Between 2 hoses	200 bar	M1/2 JIC	M1/2 JIC	155.010.000
	At the gun fluid inlet		M1/2 JIC	F1/2 JIC	155.010.100

■ Gun fluid filter screen

PART NUMBERS			
Stainless steel screen for filter	**Size (µ)**	**Quantity**	**Part number**
N° 4	100	5	129.609.907
N° 6	168	5	129.609.908
N° 12	280	5	129.609.909

■ Extension for AVX and AXC spray guns

EXTENSIONS		
Description	**Lenght (cm)**	**Part number**
Straight extension	25	075.800.011
Straight extension	40	075.800.012
Elbow extension (45° angle)	25	075.850.011

EOS 15-C25 PUMP - STAINLESS STEEL

True accelerator of performance for your AIRMIX® Xcite™ gun, the new paint pump Kremlin Rexson EOS range brings together Efficiency, Optimization and Simplicity.

The innovative design and component quality bring reliability and performance and allow for very simple maintenance, easy cleaning and safe color changes while using a minimum of solvents. The cost of ownership is reduced at a minimum.

The new air motor design allows a smooth start-up under low pressure air and perfectly controlled fluid output, without any pulsation at the gun with very low air consumption.

Last generation paints developed for industrial markets are handle by EOS pump stainless steel construction without any problem.

EOS pump range is available in wall-mounted versions with air control panel. A large choice of accessories (cart, tripod, product filter, suction rods) are available to fit any customer need.

FEATURES	BENEFITS
Efficiency: closed design with protective carter between air motor and fluid section	Lubricant protection against external pollution Full operator safety
Efficiency: stainless steel design	Compatible with water-based materials
Efficiency: double stroke fluid section	Steady output without any pulsation
Efficiency: large suction valve	Recommended for materials up to 5000 cps
Optimization: compact	Fits in small working areas
Optimization: new cart and tripod design	Perfect stability (cart or tripod)
Optimization: new filter and gravity hooper	Filtration optimized for sensible materials (recycled) Circulating for charged materials
Optimization: new suction rods Easy Flow (Ø 16)	Ø 16: recommended for frequent color changes
Simplicity: simple design, reduced number of spare parts	Easy maintenance
Simplicity: simple and accessible air motor/fluid section coupling without tie rod	Possibility to rotate the fluid section to adjust the fluid output on the application
Simplicity: fluid section with mobile lower packing construction	Improved material refilling and emptying for constant output Improved sealing - easier maintenance
Simplicity: differential air motor	Very simple, a few parts, minimum maintenance

SPECIFICATIONS

Pressure ratio		15/1
Fluid volume per cycle (cm^3)		25 (2 x 12.5)
Number of cycles per litre of products		40
Fluid Output at 30 cycles/mn (l/mn)		0.75
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		2.8
Free flow rate (L/mn)		1.5
Maximum air inlet pressure (bar)		6.5
Maximum fluid pressure (bar)		97.5
Maximum Fluid Temperature (°C)		60
Sound pressure level (dBa)		71.2
Sealing Packings	Upper sealing	Stainless steel cartridge with GT sealing
	Lower sealing	UHMW polyethylene seal
Weight (kg) (w/o support or rods)		7.6
Wetted parts		hard chrome stainless steel, treated stainless steel, stainless steel
Height (cm) - bare pump		58.5
Width (cm) - bare pump		15.8
Depth (cm) - bare pump		17

FITTINGS

Fitting	Air inlet (valve)	F 3/8 BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid Outlet	M 1/2 JIC

EOS 15-C25 PUMP - STAINLESS STEEL

CONFIGURATION OF THE EOS 15-C25 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Fluid pressure regulator	Filter pump outlet	Part number
Wall-mounted 15-C25	-	-	●	●	-	151.140.000
Wall-mounted 15-C25 with suction rod	Ø 16	-	●	●	-	151.140.100

STAND, CART, GRAVITY HOPPER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Wall-mounted totem for EOS	151.140.240
Stand for EOS pumps	151.140.210
Single Post Cart for EOS pumps	151.140.220
Gravity Hopper 6 liters	151.140.230
Easyflow suction rod Ø16 plunging tube length 600 mm	149.596.050
Easyflow suction rod Ø16 plunging tube length 1000mm (for 200 liters drums)	149.596.060
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

15-C25 PUMP KITS WITH SWIVEL FITTING XCITE™ GUN

Kit designation	Gun type	Aircap Type	Tip	Suction rod	Hoses Length (m)	Pump output filter	Part number
EOS 15-C25 wall-mounted with Xcite™ gun kit	Xcite™ 120	VX 14	To be ordered separately (see table)	-	7.5	-	151.260.976
EOS 15-C25 wall-mounted with Xcite™ gun kit	Xcite™ 120	VX 14	To be ordered separately (see table)	Ø 16	7.5	-	151.260.974

EOS 30-C25 PUMP - STAINLESS STEEL

True accelerator of performance for your AIRMIX® Xcite™ gun, the new paint pump Kremlin Rexson EOS range brings together Efficiency, Optimization and Simplicity.

The innovative design and component quality bring reliability and performance and allow very simple maintenance, easy cleaning and safe color changes while using a minimum of solvents. The cost of ownership is reduced at a minimum.

The new air motor design allows for a smooth start-up under low pressure air and perfectly controlled fluid output, without any pulsation at the gun with very low air consumption.

Last generation paints developed for industrial markets are handle by EOS pump stainless steel construction without any problem.

EOS pump range are available in wall-mounted versions with air control panel. A large choice of accessories (cart, tripod, product filter, suction rods) are available to fit any customer need.

FEATURES	BENEFITS
Efficiency: closed design with protective carter between air motor and fluid section	Lubricant protection against external pollution Full operator safety
Efficiency: stainless steel design	Compatible with water-based materials
Efficiency: double stroke fluid section	Steady output without any pulsation
Efficiency: large suction valve	Recommended for materials up to 5000 cps
Optimization: compact	Fits in small working areas
Optimization: new cart and tripod design	Perfect stability (cart or tripod)
Optimization: new filter and gravity hooper	Filtration optimized for sensible materials (recycled) Circulating for charged materials
Optimization: new suction rods Easy Flow (Ø 16) Easy Flush (Ø 25)	Ø 16: recommended for frequent color changers Ø 25: recommended for high viscosity products up to 5000cps
Simplicity: simple design, reduced number of spare parts	Easy maintenance
Simplicity: simple and accessible air motor/fluid section coupling without tie rod	Possibility to rotate the fluid section to adjust the fluid output on the application
Simplicity: fluid section with mobile lower packing construction	Improved material refilling and emptying for constant output Improved sealing - easier maintenance
Simplicity: differential air motor	Very simple, a few parts, minimum maintenance

SPECIFICATIONS		
Pressure ratio		30/1
Fluid volume per cycle (cm^3)		25 (2 x 12.5)
Number of cycles per litre of products		40
Fluid Output at 30 cycles/mn (l/mn)		0.75
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		7.1
Free flow rate (L/mn)		1.5
Maximum air inlet pressure (bar)		6.5
Maximum fluid pressure (bar)		195
Maximum Fluid Temperature (°C)		60
Sound pressure level (dBa)		74.9
Sealing Packings	Upper sealing	Stainless steel cartridge with GT sealing
	Lower sealing	UHMW polyethylene seal
Weight (kg) (w/o support or rods)		7.6
Wetted parts		Hard chrome stainless steel, treated stainless steel, stainless steel
Height (cm) - bare pump		58.5
Width (cm) - bare pump		15.8
Depth (cm) - bare pump		17

FITTINGS		
Fitting	Air inlet (valve)	F 3/8 BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid Outlet	M 1/2 JIC

EOS 30-C25 PUMP - STAINLESS STEEL

CONFIGURATION OF THE EOS 30-C25 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Fluid pressure regulator	Filter pump outlet	Part number
30-C25 wall-mounted pump	-	-	●	●	-	151.145.000
30-C25 wall-mounted pump with rod	Ø 16	-	●	●	-	151.145.100
30-C25 wall-mounted pump with rod	Ø 25	-	●	●	-	151.145.150
30-C25 wall-mounted pump with rod and filter	Ø 25	-	●	●	●	151.145.250

STAND, CART, GRAVITY HOPPER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Wall-mounted totem for EOS	151.140.240
Stand for EOS pumps	151.140.210
Single Post Cart for EOS pumps	151.140.220
Gravity Hopper 6 liters	151.140.230
Easyflow suction rod Ø16 plunging tube length 600 mm	149.596.050
Easyflow suction rod Ø16 plunging tube length 1000mm (for 200 liters drums)	149.596.060
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

30-C25 PUMP KITS WITH XCITE™ GUN

Kit designation	Gun type	Aircap Type	Tip	Suction rod	Hoses Length (m)	Pump output filter	Part number
EOS 30-C25 wall-mounted with Xcite™ gun kit pump	Xcite™ 200	VX24	To be ordered separately (see table)	-	7.5	-	151.260.977
EOS 30-C25 wall-mounted with Xcite™ gun kit pump with rod	Xcite™ 200	VX 24	To be ordered separately (see table)	Ø 16 mm	7.5	-	151.260.975
EOS 30-C25 wall-mounted with Xcite™ gun kit pump with rod and filter	Xcite™ 200	VX 24	To be ordered separately (see table)	Ø 25 mm	7.5	●	151.260.978

10.25 GT PUMP - STAINLESS STEEL

Ideal for water-based and high solids materials

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design, reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		10/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Free flow rate (L/mn)		3
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		10.8
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		60
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		82
Sealing Packings	Upper sealing	GT seal cartridge
	Lower sealing	GT seal
Weight (kg)		17
Wetted parts		Stainless steel
Height (cm)		82
Width (cm)		35
Depth (cm)		21

Model shown on a two-arm cart

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF 10.25 GT PUMPS

Set-up	Sealing packings		Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
	Lower sealing	Upper sealing						
Wall mounted GT seals	GT seal	Polyfluid + PTFE G	-	-	●	●	-	151.777.200
Wall mounted GT seals	GT seal	Polyfluid + PTFE G	●	●	●	●	●	151.777.100

KITS

Description	Part number
H25 GT seal kit	144.950.091
H25 GT repair kit	144.950.096
250-4 air motor seal kit	146.260.991
250-4 air motor maintenance kit	146.260.996

CART, GRAVITY HOPPER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Single Post Cart	051.730.110
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Gravity Hopper 6 liters	151.140.230
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

20.25 PUMP - STAINLESS STEEL

1 2 3 4 5 6 7

Ideal for water-based and high solids materials

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		20/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Free flow rate (L/mn)		3
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		10.8
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		120
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		78
Sealing Packings	Upper sealing	Polyfluid + PTFE G or GT seal
	Lower sealing	GT sealing
Weight (kg)		17
Wetted parts		Stainless steel
Height (cm)		83.8
Width (cm)		35.6
Depth (cm)		17.78

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

Model shown on a two-arm cart

CONFIGURATION OF AIRMIX® 20.25 PUMPS

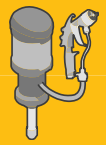
Set-up	Sealing packings		Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
	Lower sealing	Upper sealing						
Wall mounted	GT seal	Polyfluid + PTFE G	●	-	●	●	-	151.770.200
Wall mounted	GT seal	Polyfluid + PTFE G	●	●	●	●	●	151.770.100
Wall mounted (GT seal)	GT seal	GT seal	●	●	●	●	●	151.773.100

KITS

Description	Part number
H25 GT seal kit	144.950.091
H25 GT repair kit	144.950.096
Seal kit for 500-4 air motor	146.260.990
Repair kit for 500-4 air motor	146.260.995

CART, GRAVITY HOPPER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Single Post Cart	051.730.110
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Gravity Hopper 6 liters	151.140.230
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000



KITS FOR AIRMIX® 20.25 PUMPS - STAINLESS STEEL WITH XCITE™ - SWIVEL FITTING

Kit designation	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Hoses Length (m)	Pump output filter	Part number
Wall-mounted 20.25 Kit	Xcite™ 120	VX24	To be ordered separately (see table)	●	●	7.5	●	151.260.966
Wall-mounted 20.25 GT kit	Xcite™ 120	VX24	To be ordered separately (see table)	●	●	7.5	●	151.260.973

20.50 PUMP - STAINLESS STEEL

The 20.50 pump is ideal for water-based and high solids.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Simple design , reduced number of spare parts	Easy maintenance
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based products

SPECIFICATIONS

Pressure ratio		20/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Free flow rate (L/mn)		6
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		21.6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		120
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		78
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT
Weight (kg)		22
Wetted parts		Stainless steel
Height (cm)		86.4
Width (cm)		35.6
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF AIRMIX® 20.50 PUMPS

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	●	-	151.780.100
Wall mounted	●	●	●	●	●	151.780.200
Turbo wall mounted	-	-	●	●	-	151.782.100

KITS

Description	Part number
H50 GT seal kit	144.960.091
H50 GT repair kit	144.960.096
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CART AND RODS (SUCTION AND FLUSHING)

Description	Part number
Single Post Cart	051.730.110
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

NOTES

40.25 PUMP - STAINLESS STEEL

Ideal for outputs up to 1.5 litre/mn

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based products
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		21.6
Free flow rate (L/mn)		3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		77
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		80
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26x125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.25 PUMP -STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.775.100
Wall mounted	●	●	●	●	151.775.200
2 arms cart mounted	●	●	●	●	151.775.400

ATOMIZATION AIR KIT WITH REGULATOR

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

40.25 PUMP - STAINLESS STEEL

KITS

Description	Part number
H25 GT seal kit	144.950.091
H25 GT repair kit	144.950.096
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

KITS FOR 40.25 PUMP WITH AIRMIX® XCITE™ SWIVEL FITTING

Kit designation	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Atomization air regulator	Hoses Length (m)	AD60 Heater	Pump output filter	Kit part number
Wall-mounted 40.25 Kit	Xcite™ 200	VX24	To be ordered separately (see table)	●	●	●	7.5	-	●	151.260.968
Hot spraying wall-mounted 40.25 Kit	Xcite™ 200	VX24	To be ordered separately (see table)	●	●	●	7.5	●	●	151.260.969

40.25 WB PUMP - STAINLESS STEEL

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.5 litre/mn.

FEATURES	BENEFITS
Large suction fluid passage	For high viscosity materials
Puls-Absorber™ device	Stable and smooth flow
Stainless steel design	Compatible with water-based products
Stainless steel strainer	Long service life and good reliability No crushing possible
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		21.6
Free flow rate (L/mn)		3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		77
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		92
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 1"
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.25 WB PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.775.550
2 arms cart mounted	●	●	●	●	151.775.500

ATOMIZATION AIR KIT WITH REGULATOR

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

KITS

Description	Part number
H25 WB seal kit	144.950.991
Repair kit H25 WB	144.950.992
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION OR FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Suction rod 1"	921.270.101
Stainless steel flushing rod F18 x 125	049.596.000

40.50 PUMP - STAINLESS STEEL

Ideal for feeding two guns.

FEATURES	BENEFITS
Simple design , reduced number of spare parts	Easy maintenance
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Free flow rate (L/mn)		6
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		43.2
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		80
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT sealing
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		80
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.50 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.785.100
Wall mounted	●	●	●	●	151.785.200
2 arms cart mounted	●	●	●	●	151.785.400

ATOMIZATION AIR KIT WITH REGULATOR

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

KITS

Description	Part number
H50 GT seal kit	144.960.091
H50 GT repair kit	144.960.096
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

40.50 WB PUMP - STAINLESS STEEL

1 2 3 4 5 6 7

FEATURES	BENEFITS
Large suction fluid passage	For high viscosity materials
Puls-Absorber™ device	Stable and smooth flow
Stainless steel design	Compatible with water-based products
Stainless steel strainer	Long service life and good reliability No crushing possible
Simple design, reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		43.2
Free flow rate (L/mn)		6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		80
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		92
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 1''
	Fluid output (filter)	M 3/4" JIC

CONFIGURATION OF THE 40.50 WB PUMP -STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.785.550
2 arms cart mounted	●	●	●	●	151.785.500

FITTING TO CONNECT A XCITE™ GUN KIT

Description	Part number
Adaptator stainless steel F 3/4" JIC/M 1/2" JIC	905.160.219

ATOMIZATION KIT

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

KITS

Description	Part number
H50 WB seal kit	144.960.891
H50 WB repair kit	144.960.892
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Suction rod 1"	921.270.101
Stainless steel flushing rod F18 x 125	049.596.000

NOTES

17.A2 FLOWMAX® PUMP - STAINLESS STEEL

Unique design with external valves for an easy maintenance. Flowmax® technology ensures total sealing. Quick inversion of this pump allows for a perfectly stable fan shape at the gun.
Performance, extended lifetime, reliability.

FEATURES	BENEFITS
External valves assemby	Easy maintenance
Floating piston	Fast inversions and very high efficiency
Sealing ensured by a Superlife™ bellow seal	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Stainless steel design	Compatible with water-based materials
Large and smooth fluid passages	Fluid discharge without retention of a wide range of coating materials
Balanced fluid section	Constant fluid output pressure

SPECIFICATIONS

Pressure ratio		17/1
Fluid volume per cycle (cm^3)		60
Number of cycles per litre of products		16
Fluid Output at 30 cycles/mn (l/mn)		1.8
Free flow rate (L/mn)		3.6
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		11
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		100
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		74
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Weight (kg) - wall-mounted		20
Wetted parts		Stainless steel
Height (cm)		62.2
Width (cm)		33
Depth (cm)		21

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE FLOWMAX® AIRMIX® 17.A2 PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Wall-mounted 17.A2 Flowmax® pump	●	●	●	●	●	151.730.700
1 arm cart 17.A2 Flowmax® pump	●	●	●	●	●	151.730.750

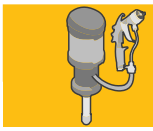
KITS

Description	Part number
Seal kit for A2 fluid section	144.910.799
Repair kit for A2 fluid section	144.910.797
Seal kit for external valves	144.910.798
Seal kit for 1000-2 air motor	144.919.904
Repair kit for 1000-2 air motor	144.919.914

17.A2 FLOWMAX® PUMP - STAINLESS STEEL

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Single Post Cart	051.730.110
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000



KITS FOR FLOWMAX® AIRMIX® 17.A2 PUMPS WITH XCITE™ SWIVEL FITTINGS

Kit designation	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Hoses Length (m)	Pump output filter	Part number
Wall-mounted stainless steel 17.A2 Kit	Xcite™ 120	VX24	To be ordered separately (see table)	●	●	7.5	●	151.260.967

20.25F FLOWMAX® PUMP - STAINLESS STEEL

Universal AIRMIX® pump for use with all materials, including water-based and high solids.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		20/1
Fluid volume per cycle (cm³)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Free flow rate (L/mn)		3
Air consumption (m³/h) at 30 cycles/mn at 4 bar		10.8
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		120
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		80
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Weight (kg) - wall-mounted		22
Wetted parts		Stainless steel
Height (cm)		99.1
Width (cm)		48.3
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE FLOWMAX® AIRMIX® 20.25F - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	●	151.771.200
2 arms cart-mounted	●	●	●	●	●	151.771.400

KITS

Description	Part number
Seal kit H25F	144.950.291
Repair kit H25F	144.950.292
Seal kit for 500-4 air motor	146.260.990
Repair kit for 500-4 air motor	146.260.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

20.50F FLOWMAX® PUMP - STAINLESS STEEL

Universal AIRMIX® pump for use with all materials, including water-based and high solids.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		20/1
Fluid volume per cycle (cm³)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Free flow rate (L/mn)		6
Air consumption (m³/h) at 30 cycles/mn at 4 bar		21.6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		120
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		76
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Weight (kg) - wall-mounted		27
Wetted parts		Stainless steel
Height (cm)		97.5
Width (cm)		47
Depth (cm)		27

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

Model shown: 20.25 F

CONFIGURATION OF THE FLOWMAX® AIRMIX® 20.50F - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	●	-	151.781.100
Wall mounted	●	●	●	●	●	151.781.200
Turbo Wall mounted	-	-	●	●	-	151.783.100
Turbo Wall mounted	●	●	●	●	●	151.783.200

KITS

Description	Part number
Seal kit H 50F	144.960.291
Repair kit H 50F	144.960.292
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

34.A2 FLOWMAX® PUMP - STAINLESS STEEL

Unique design with external valves for an easy maintenance. Flowmax® technology ensures total sealing. Quick inversion of this pump allows for a perfectly stable fan shape at the gun.
Performance, extended lifetime, reliability.

FEATURES	BENEFITS
External valves assemby	Easy maintenance
Floating piston	Fast inversions and very high efficiency
Sealing done by a Superlife™ bellow seal	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Large and smooth fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure

SPECIFICATIONS

Pressure ratio		34/1
Fluid volume per cycle (cm³)		60
Number of cycles per litre of products		16
Fluid Output at 30 cycles/mn (l/mn)		1.8
Air consumption (m³/h) at 30 cycles/mn at 4 bar		22
Free flow rate (L/mn)		3.6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		200
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		71
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT (Polyethylene)
Wetted parts		Inox
Weight (kg) - wall-mounted		26.5
Height (cm)		61
Width (cm)		41
Depth (cm)		25

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE FLOWMAX® 34.A2 PUMP

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall-mounted Flowmax® 34.A2	●	●	●	●	151.740.700
1 arm cart Flowmax® 34.A2	●	●	●	●	151.740.750

ATOMIZATION AIR KIT WITH REGULATOR

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

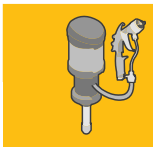
KITS

Description	Part number
Seal kit for A2 fluid section	144.910.799
Repair kit for A2 fluid section	144.910.797
Seal kit for external valves	144.910.798
Seal kit for 2000-2 air motor	144.929.902
Repair kit for 2000-2 air motor	144.929.912

34.A2 FLOWMAX® PUMP - STAINLESS STEEL

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000



KITS FOR FLOWMAX® 34.A2 PUMPS

Kit designation	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Atomization air regulator	Hoses Length (m)	Pump output filter	Kit part number
Wall-mounted stainless steel 34A2 Kit	Xcite™ 200	VX24	To be ordered separately (see table)	●	●	●	7.5	●	151.260.970

40.25F FLOWMAX® PUMP - STAINLESS STEEL

New generation Flowmax® pump for low volume applications

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing - ideal for isocyanates Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		21.6
Fluid Output at 30 cycles/mn (l/mn)		1.5
Free flow rate (L/mn)		3
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		72
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		37
Height (cm)		97
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid Outlet	M 1/2" JIC

CONFIGURATION OF THE FLOWMAX® 40.25F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.776.200
Cart mounted	●	●	●	●	151.776.400

ATOMIZATION AIR KIT

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

KITS

Description	Kit part number
Seal kit H25F	144.950.291
Repair kit H25F	144.950.292
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Kit part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

40.50F FLOWMAX® PUMP - STAINLESS STEEL

New generation Flowmax® pump, ideal for feeding two guns

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		43.2
Free flow rate (L/mn)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		77
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT (Polyethylene)
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		42
Height (cm)		97
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26x125
	Fluid Outlet	M 1/2" JIC

CONFIGURATION OF THE FLOWMAX® 40.50F PUMPS- STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.786.100
Wall mounted	●	●	●	●	151.786.200
Cart-mounted (on a 2-arms cart)	●	●	●	●	151.786.400

ATOMIZATION AIR KIT

Description	Part number
Atomization air kit with regulator (for AIRMIX® spray guns)	151.740.200

KITS

Description	Part number
Seal kit H 50F	144.960.291
Repair kit H 50F	144.960.292
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

HP 60/61 HEATERS

Their original design ensures an optimized heat transfer, with no risk of burning the paint in the heater.
This equipment will allow you to reduce the viscosity of paints without using solvents.
It guarantees an outstanding finish quality, whatever the ambient temperature may be.

This version of the equipment is to be used only for water-based materials.

FEATURES	BENEFITS
A thermometer is integrated into the command box	No pressure loss when working with high viscosity materials
Modular design	Easy maintenance

SPECIFICATIONS	
Termostatic type	Liquid dilatation and dry contact
Thermal fuse	Cut-out at 121°C
Thermometer	Graduation 0 - 100°C
Temperature range (°C)	15 - 90
Pressure (bar)	250
Weight (kg)	23
Wetted parts	Body and fittings in stainless steel
Room temperature (°C)	40 maxi

HP HEATER - STAINLESS STEEL VERSION

Stainless steel heater	Volatge / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
HP60	230	1500	15 - 90	10	M 1/2 JIC	M 1/2 JIC	056.140.700
HP61	115	1500	15 - 90	5	M 1/2 JIC	M 1/2 JIC	056.140.750
HP60	400	1250	15 - 90	5	M 1/2 JIC	M 1/2 JIC	056.140.770

AD 60/61 HEATERS NON EXPLOSIVE

Original design ensuring optimum heat transfer with no risk of burning the paint in the heater.
Allows to reduce paint viscisity without dilution.

To be used in zone 1 and 2 according to ATEX.

Agreement INERIS 03ATEX 0079X
II 2 G EEx d IIA T3

FEATURES	BENEFITS
A thermometer is integrated into the command box	No pressure loss when working with high viscosity materials
Modular design	Easy maintenance

SPECIFICATIONS	
Thermostat type	By fluid extension and dry contact
Thermal fuse	Cut at 121°C
Thermometer	Graduation 0 - 100°C
Temperature range (°C)	15 - 80
Pressure (bar)	240 maxi
Weight (kg)	Aluminum: 15.5 Stainless steel: 25
Wetted parts	Aluminum: aluminum body, galvanized chrome fittings Stainless steel: stainless steel body and fittings
Room temperature (°C)	40 maxi

AD HEATERS - ALUMINUM VERSION (SOLVENT-BASED MATERIALS)

Aluminum heater	Volatge / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
AD60	230	1500	15 - 80	10	M 1/2 JIC	M 1/2 JIC	056.126.000
AD61	115	1500	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.126.050

AD HEATERS - STAINLESS STEEL VERSIONS (SOLVENT OR WATER-BASED MATERIALS)

Stainless steel heater	Volatge / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
AD60	230	1500	15 - 80	10	M 1/2 JIC	M 1/2 JIC	056.146.000
AD61	115	1500	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.146.050
AD60	400	1250	15 - 80	5	M 1/2 JIC	M 1/2 JIC	056.146.070

ONE-PASS™ HEATER NON EXPLOSIVE

The economical and reliable solution for a constant spraying quality to reduce the viscosity of paints without adding solvents.
The heating of the product is done in one single passage in the One-pass™ heater thanks to the new design and the optimized thermal exchange efficiency.
This innovative design offers the possibility to install directly the One-pass heater directly between the pump and the gun without recirculation. Its dimensions and reduced weight allow to fit it on a mobile pump (2 arms cart and mounting plate)
To be used in zone 1 and 2 according to ATEX

Agreement ISSeP 05ATEX031
II 2 G Ex d IIA T3

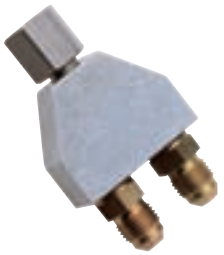
FEATURES	BENEFITS
Standard stainless steel version	Compatible with water-based materials
A thermometer is integrated into the command box	No pressure loss when working with high viscosity materials
Reduced dimensions	Mounting on mobile versions
Modular design	Quick and easy maintenance
t max: 20°C at an ouput of 800 cc/mn	Optimised performances in most applications

SPECIFICATIONS	
Thermostat type	By fluid expansion and dry contact
Thermal fuse	Cut at 72°C
Thermometer	Graduation 0 - 60°C
Temperature range (°C)	15 - 45
Pressure (bar)	120
Weight (kg)	16.5
Wetted parts	Stainless steel and PTFE
Room temperature (°C)	40° maxi

ONE PASS HEATER PART NUMBERS

Stainless steel One-pass heater	Volatge / Power		Temperature (°C)	Cable length w/o plug (m)	Fitting		Part number
	Volt	Watt			Inlet	Outlet	
One-pass 230V	230	1400	15 - 45	5	M 1/2 JIC	M 1/2 JIC	056.152.110
One-pass 115V	115	1400	15 - 45	5	M 1/2 JIC	M 1/2 JIC	056.151.110

■ Y- fitting - stainless steel



Allowing paint circulation on the gun while maintaining ease of use. Remote set-up possible using an additional hose.

Y-FITTING PART NUMBERS

Description	Fittings on gun	Hoses thread	Part number
Stainless steel Y-fitting - for AIRMIX® guns	F 1/2" JIC	M 1/2" JIC	029.520.500

■ Circulation valve (for solvent-based materials)

Allows you to set the perfect output for circulation.
Max. fluid pressure: 240 bar.

CIRCULATION VALVES PART NUMBERS (NON STAINLESS STEELS)

Thread		Back fitting	Flushing valve	Flushing rod M 18 x 125	Part number
Pump intake	Rod				
F 26 × 125	M 26 × 125	M 1/2 JIC	●	●	051.314.010
M 1" G	M 35 × 150	M 3/4 JIC	●	●	051.341.100

■ Airmix® back pressure regulator

Assures a constant pressure in the fluid circuit.
Regulation pressure: 0 - 70 bar.

AIRMIX® BACK PRESSURE REGULATOR PART NUMBERS

Version	Thread		Back fitting	Flushing valve	Flushing rod M 18 x 125	Part number
	Pump intake	Rod				
Wall-mounted	F 26 x 125	M 26 x 125	M 1/2 JIC	●	●	051.314.030

CTM COLOR CHANGE VALVES

Recommended for a rapid color change, without the need to manipulate any fluid. At the same time, you will reduce costs through less down time and lower solvent consumption.

The solvent valve should be facing the fluid outlet.

- Two valves per module
- PTFE seals
- Modulable design allows for expansion
- Paint circulation through the valve
- Opening index as standard

CTM VALVE SPECIFICATIONS

Designation	AIRMIX®
Max pressure (bar)	120-200
Ø of passage (mm)	6
Trigger air	for hose 2.7 x 4
Fluid inlet	F 1/4 NPS
Fluid outlet	F 1/4 NPS

ACCESSORIES

	Description	Part number
Airmix®	End module (inlet) - 120 bar	155.535.300
	Intermediate module - 120 bar	155.535.400
	End module (inlet) - 200 bar	155.535.350
	Intermediate module - 200 bar	155.535.450
	Outlet flange	155.535.500
Assembly module rods comes with outlet module:		
	1 module (1 end + 1 flange)	155.535.610
	2 modules (1 end + 1 intermediate + 1 flange)	155.535.620
	3 modules (1 end + 2 iintermediate + 1 flange)	155.535.630
	4 modules (1 end + 3 intermediate + 1 flange)	155.535.640
	5 modules (1 end + 4 intermediate + 1 flange)	155.535.650
	Assembly of 2 fixing squares	155.535.700

08.120 PUMP - STAINLESS STEEL

For circulating and large production.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance

FEATURES

Pressure ratio		8/1
Fluid volume per cycle (cm³)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		7.20
Free flow rate (L/mn)		14.4
Air consumption @ 30 CPM at 5 bar		20.4
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		48
Maximum Fluid Temperature (°C)		60
Balanced acoustic pressure (dBA)		76
Sealing Packings	Upper sealing	PTFE G + Polyfluid
	Lower sealing	PEHD
Weight (kg) - wall-mounted		27
Wetted parts		Stainless steel
Height (cm)		86.4
Width (cm)		35.6
Depth (cm)		25.4

FITTINGS

Fitting	Air inlet (valve air equipment)	F 3/4 BSP
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE AIRMIX® 08.120 PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	151.791.000
Wall mounted	-	-	●	●	-	151.791.100
Wall mounted	●	●	●	●	●	151.791.200
Cart mounted	●	●	●	●	●	151.791.400
Turbo wall-mounted	-	-	●	●	-	151.798.100

KITS

Description	Part number
Seal kit H120	144.970.090
Repair kit H120	144.970.095
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

16.120 PUMP - STAINLESS STEEL

For circulating and large production.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		16/1
Fluid volume per cycle (cm³)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		7.20
Free flow rate (L/mn)		14.4
Air consumption @ 30 CPM at 5 bar		41.5
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		96
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		76
Sealing Packings	Upper sealing	PTFE G + Polyfluid
	Lower sealing	PEHD
Weight (kg) - wall-mounted		27
Wetted parts		Stainless steel
Height (cm)		86.4
Width (cm)		35.6
Depth (cm)		25.4

FITTINGS

Fitting	Air inlet (valve air equipment)	F 3/4 BSP
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE AIRMIX® 16.120 PUMP

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	151.790.000
Wall mounted	-	-	●	●	-	151.790.100
Wall mounted	●	●	●	●	●	151.790.200
Cart mounted	●	●	●	●	●	151.790.400
Turbo wall-mounted	-	-	●	●	-	151.797.100

KITS

Description	Part number
Seal kit H120	144.970.090
Repair kit H120	144.970.095
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND DRAIN)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

08.120F FLOWMAX® PUMP - STAINLESS STEEL

For circulating and large production.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

FEATURES		
Pressure ratio		08/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		7.2
Free flow rate (L/mn)		14.4
Air Consumption @ 20 CPM at 5 bar		20.4
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		48
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		76
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Weight (kg) - wall-mounted		32
Wetted parts		Stainless steel
Height (cm)		105
Width (cm)		40
Depth (cm)		27

FITTINGS		
Fitting	Air inlet (valve air equipment)	F 3/4 BSP
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE FLOWMAX® AIRMIX® 08.120F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare	-	-	-	-	-	151.794.000
Wall mounted	-	-	●	●	-	151.794.100
Wall mounted	●	●	●	●	●	151.794.200
Cart mounted	●	●	●	●	●	151.794.400
Turbo wall-mounted	-	-	●	●	-	151.799.100
Turbo wall-mounted	●	●	●	●	●	151.799.200

KITS

Description	Part number
Seal kit H120F	144.970.490
Repair kit H120F	144.970.495
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

16.120F FLOWMAX® PUMP - STAINLESS STEEL

For circulating and large production.
The Turbo air motor is recommended for continued use.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		16/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		7.2
Free flow rate (L/mn)		14.4
Air Consumption @ 20 CPM at 5 bar		41.5
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		96
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		76
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Weight (kg)		32
Wetted parts		Stainless steel
Height (cm)		105
Width (cm)		40
Depth (cm)		27

FITTINGS

Fitting	Air inlet (air equipment)	F 3/4 BSP
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE FLOWMAX® AIRMIX® 16.120F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Atomization air regulator	Air regulator Fluid pressure	Pump output filter	Part number
Bare pump	-	-	-	-	-	151.793.000
Wall mounted	-	-	●	●	-	151.793.100
Wall mounted	●	●	●	●	●	151.793.200
Cart-mounted	●	●	●	●	●	151.793.400
Turbo wall-mounted	-	-	●	●	-	151.796.100
Turbo wall-mounted	●	●	●	●	●	151.796.200

KITS

Description	Part number
Seal kit H120F	144.970.490
Repair kit H120F	144.970.495
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

08.220F FLOWMAX® PUMP - STAINLESS STEEL

High output ,cartridge free bellow pump for circulating and automatic machines.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		8/1
Fluid volume per cycle (cm^3)		440
Number of cycles per litre of products		2.3
Fluid Output at 20 Cycles/mn (l/mn)		8.8
Free flow rate (L/mn)		26.4
Air Consumption @ 20 CPM at 5 bar		25.3
Maximum fluid pressure (bar)		48
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		76
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT ploye thylene
Wetted parts		Stainless steel, hard-chrome stainless steel, carbide
Weight (kg)		54
Height (cm)		110
Width (cm)		40
Depth (cm)		27

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	F 3/4" BSP
	Fluid Outlet	F 3/4" BSP

CONFIGURATION OF THE 08.220F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	-	-	●	-	151.861.200

CART, FILTER AND ROD (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel Accumulator equipped filter 3/4"	155.581.400
Stainless steel flushing rod F18 x 125	049.596.000

20.220F FLOWMAX® PUMP - STAINLESS STEEL

High output, cartridge free bellow pump for circulating and automatic machines.

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		20/1
Fluid volume per cycle (cm^3)		440
Number of cycles per litre of products		2.3
Fluid Output at 30 cycles/mn (l/mn)		8.8
Free flow rate (L/mn)		26.4
Air Consumption @ 20 CPM at 5 bar		63.4
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		120
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		< 82
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Weight (kg)		66
Wetted parts		Stainless steel, carbide, hard chromed stainless steel
Height (cm)		111.5
Width (cm)		64
Depth (cm)		32.5

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	F 1" BSP
	Fluid Outlet	F 3/4 NPS

CONFIGURATION OF THE 20.220F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Atomization air regulator	Filter	Part number
Wall-mounted	-	-	●	-	-	151.860.200

CART, FILTER AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Stainless steel Accumulator equipped filter 3/4"	155.581.400
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel flushing rod F18 x 125	049.596.000

■ Pressure regulator - manual control - AIRMIX®

AIRMIX® fluid regulator is designed for low viscosity materials

CHARACTERISTICS		
Pressure range (bar)	Inlet	250 max
	Outlet (upon version)	10 - 70; 10-120
Weight (kg)		3.6
Width (cm)		8.9
Height (cm)		20
Wetted parts		Stainless steel, PTFE, carbide

FITTINGS		
Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS

CONFIGURATION	
Description	**Part number**
Manual regulator 250 - 10 / 70 bar	155.271.730
Manual regulator 250 - 10 / 120 bar	155.271.735
Manual regulator PH 250 - 10 / 120 bar	155.271.770
Options:	
Wall bracket	155.484.010

■ Pressure regulator - Piloted - AIRMIX®

AIRMIX® fluid regulator is designed for low viscosity materials. The piloted version features an increased regulation accuracy and a remote control.

SPECIFICATIONS	
Pressure range (bar)	Inlet (upon version): 120 max (version 5-40) or 250 max (versions 10-70 and 10-120) Outlet (upon version): 05-40; 10-70; 10-120
Weight (kg) (max: 10-120 version)	4.1 (max: version 10-120)
Width (cm) - w/o pilot	8.9
Height (cm) - (max: 10-120 version)	27.5
Wetted parts	Stainless steel, PTFE, carbide

FITTINGS		
Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS
	Air Inlet (pilotage)	F 1/4" BSP

CONFIGURATION OF PILOTED REGULATOR WITH/WITHOUT PILOT	
Description	**Part number**
Piloted regulator with pilot120 - 5/40 bar	155.271.765
Piloted regulator with pilot 250 - 10 / 70 bar	155.271.750
Piloted regulator with pilot 250 - 10 / 120 bar	155.271.755
Piloted regulator without pilot 120 - 5 / 40 bar	155.271.760
Piloted regulator without pilot 250 - 10 / 70 bar	155.271.740
Piloted regulator without pilot 250 - 10 / 120 bar	155.271.745

CONFIGURATION OF CARTRIDGE PILOTED REGULATORS WITHOUT PILOT	
Description	**Part number**
Cartridge piloted regulator 120 - 5 / 40	155.271.719
Cartridge piloted regulator 250 - 10 / 70	155.271.715
Cartridge piloted regulator 250 - 10 / 160	155.271.716

■ Pressure regulator - Piloted - AIRMIX®

ACCESSOIRES	
Description	**Part number**
Wall bracket	155.484.010

■ Pressure regulator - back - AIRMIX®

SPECIFICATIONS		
Pressure range (bar)	Inlet	120 max
	Regulated outlet	10 - 120
Weight (kg)		3.6
Width (cm)		8.9
Height (cm)		20
Wetted parts		Stainless steel, PTFE, carbide

FITTINGS		
Fitting	Fluid Inlet	F 3/8" NPS
	Fluid Outlet	F 3/8" NPS

CONFIGURATION		
Set-up	**Fitting (suction)**	**Part number**
Manual regulator 120 - 10 / 120	-	155.271.835
Manual regulator 120 - 10 / 120 Equipped for wall-mounting, supplied with 2m fluid hose and fittings for pump suction	26 x 125	051.314.030
Wall bracket		155.484.010

■ High pressure gauges

Metal pressure gauge with glass and glycerin lens; totally impact and solvent resistant.

HIGH PRESSURE GAUGES				
Description	**Pressure range (bar)**	**Fitting**	**Internal diameter (mm)**	**Part number**
Diaphragm high pressure gauge	0 - 250	M 3/8" NPS - F 3/8" NPS	50	155.271.790
Pressure gauge side inlet	0 - 120	M 1/4 G	63	910.010.802
Pressure gauge side inlet	0 - 400	M 1/4 G	63	910.010.801

■ Filter 240 bar

EQUIPPED FILTER

Description	Maximum fluid pressure (bar)	Stainless steel screen for filter	Thread			Part number
			Inlet	Outlet	Drain	
3/8" stainless steel filter	240	-	F 3/8" NPT	F 3/8" NPT	F 1/4" NPT Embase (x1)	155.580.200
Stainless steel Accumulator filter 3/8"	240	6	F 3/8" NPT	M 1/2" JIC	M 18x125	155.580.300
Stainless steel Accumulator filter 3/8"	240	12	F 3/8" NPT	M 1/2" JIC	M 18x125	155.580.400
Stainless steel Accumulator filter 3/8" for EOS	240	6	F 3/8" NPT	M 1/2" JIC	M 18x125	155.580.600

ACCESSORIES FOR FILTERS

Description	Part number
Stainless steel filter fitting lenght 70 mm (MM 3/8" NPT)	055.580.301
Wall-mounted bracket and screws for 3/8", 3/4" and 1" filter with 9 digits part numbers	155.190.105

■ Inline fluid filters 200 bar

Fluid filtration is of the utmost importance in the prevention of spray gun wear; it also avoids all unnecessary line down time due to blockages.

FILTER CONFIGURATION

Description	Maximum fluid pressure (bar)	Stainless steel screen for filter	Average output (l/mn)	Thread		Part number
				Inlet	Outlet	
(1) Medium pressure stainless steel filter	200	6	2	F 1/4 NPS	F 1/4 NPS	055.600.000

(1)

■ Strainers for suction rods

STRAINERS CONFIGURATION

Pump	Height (mm)	External diameter (mm)	Material	Filtration size		Part number
				Micron	Mesh	
10.14	60	40	Polyamide	300	50	051.531.600
EOS 15-C25/EOS30-C25 (Ø16)	32.5	28	Stainless steel	1000	15	149.596.052
EOS 30.C25 10.25/17. A2/20.25/20.25F/34.A2/40 .25/40.25F/08.120/08.120 F/16.120/16.120F (Ø25)	40	48	Stainless steel	1000	15	149.596.152
40.25/40.50WB	40	48	Stainless steel	1000	15	921.270.102
40.130-2 / 40.130 F2 / 65.130 / 65.130 F2	112	66	Polyamide	1000	15	149.591.400

■ Screens and cartridges for product filter

SCREEN CONFIGURATION (FILTRATION SURFACE 65 CM2)

Filter number	Filtration size		Nozzle size	Part number
	Micron	Mesh		
1	40	325	3	000.161.101
2	74	200	4	000.161.102
3	90	170	4	000.161.103
4	100	140	4	000.161.104
6	168	85	6	000.161.106
8	210	70	09 & 14	000.161.108
12	280	55	20	000.161.112
15	360	45	30 & 45	000.161.115
20	510	30	≥ 68	000.161.020
30	750	20	≥ 68	000.161.030

CYCLIX™ AGITATORS FOR 20-40-200 L DRUMS

This elevator-agitator for 20-40 to 200l drums features a double-effect jack for a fast lift of a stainless steel cover fitted for a quick material drum change. The cover is equipped with a motorized agitator fitted with blades for low viscosity materials and a full stainless steel rod.

The elevator is coming on a large fixing plate which makes it very stable and easy to install in paint kitchens, existing installations or an essential component of new installations.

FEATURES	BENEFITS
Stainless steel (agitator cover, suction and drain rods)	Compatibility with all materials
Adjustable suction rod height	No product loss
Suction and return tubes	Suitable for recirculating
Double effect jack with 3 positions command lever: up, stop, down	Important flexibility
The agitator cannot work during elevator movements	Security

CHARACTERISTICS

Capacity (L)		20 - 40	200
Motor type		Pneumatic	Pneumatic
Reductor type		-	Gear train
Rotation speed (rpm)		60 - 300	5 - 90
Motor torque	Nm	2.2	34

CYCLIX™ PART NUMBERS FOR 20 - 40 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 20 -40 l drums	1024 (min) - 1500 (max)	-	-	-	151.081.000
Agitator for 20 -40 l drums	-	400	134	-	154.261.700
Cover for 20 -40 l drums	-	-	-	400	154.261.600
Suction/exhaust kit	-	-	-	-	154.261.800

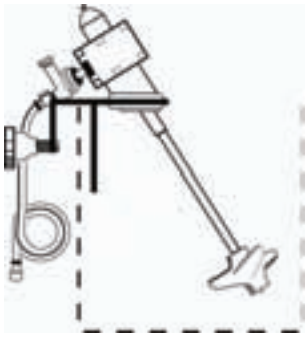
CYCLIX™ PART NUMBERS FOR 200 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 200 l drums	1510 (mini) - 2410 (maxi)	-	-	-	151.091.000
Agitator for 200 l drums	-	800	370	-	154.261.300
Cover for 200 l drums	-	-	-	635	154.261.200
Suction/exhaust kit	-	-	-	-	154.261.400

RECOMMENDED ACCESSORIES

Description	Part number
1/4" air lubrificator + support	154.261.997
Exhaust assembly with oil recovery (length 1 m)	154.261.996
Air feeding kit	154.261.930
Drum roller unit for 200 litres drum	151.098.100
Slotted paddle for thick materials	154.261.952

■ Agitators for edge pail mounting



Agitator for barrel edge mounting.
Minimum barrell height of 300 mm

AGITATORS	
Description	**Part number**
Bare agitator	051.332.610
Agitator with 25 cm hose	051.332.600
Agitator with 5 m hose	049.220.710
System for barrel mounting	049.220.720

■ Stainless steel agitators on cover

Stainless steel Agitator:
For drums diameter between 295 and 325 mm
Minimum drum height of 390 mm

AGITATORS	
Description	**Part number**
Stainless steel agitator for Ø325 cover	903.290.101

■ Fluid hoses for AIRMIX® spraying

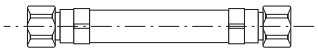
● The hoses should be chosen according to the pressure used in the application and electrical conductibility

HOSES CONFIGURATION						
Designation	**Part number**					
Conductive	**NO**			**YES**		
Color	GREY			BLUE		
Internal diameter mm	3.2 (1/8")	4.8 (3/16")	6.35 (1/4")	3.2 (1/8")	4.8 (3/16")	6.35 (1/4")
Max.operating pressure bar	120			240		
Temperature	up to 100°C					
25 m	050.450.059	050.450.060	050.450.070	-		-
100 m		050.450.061	050.450.071	-	-	-
300 m		050.450.064	050.450.072	-	-	-
Fitting alone to crimp		905.063.304	905.063.305	-	-	-
Fitting alone to screw in	-	905.063.308	905.063.309	-	-	-
Fitting alone stainless steel to crimp	905.063.359	905.063.354	905.063.355	-	-	-
Fitting alone stainless steel to screw in	905.063.356	905.063.358	905.063.357	-	-	-
Spring for fitting to crimp		905.063.361		-	-	-
PART NUMBER ACCORDING TO LENGTH WITH FITTINGS per meter						
A and B fittings (free nut)	1/2 JIC					
Treated Stainless Steel Fittings						
		With spring	**Without spring**	**Without spring**	**With spring**	**Without spring**
0.4 m						050.450.101
0.6 m		050.450.805	050.450.701			050.450.106
0.8 m			050.450.702			050.450.107
1 m	-	050.450.809	050.450.703		050.450.601	050.450.102
2 m		050.450.806	050.450.704		050.450.602	050.450.109
3 m		050.450.810	050.450.705		050.450.603	050.450.110
5 m		050.450.801	050.450.706		050.450.604	050.450.108
7.5 m		050.450.808			050.450.605	050.450.111
10 m		050.450.802	050.450.707		050.450.606	050.450.104
15 m		050.450.811	050.450.709		050.450.607	050.450.112
20 m		050.450.812	050.450.708		050.450.608	050.450.105
25 m						050.450.113
30 m					050.450.609	
Stainless Steel Fittings						
0.6 m		050.450.851			050.450.651	
1 m				050.451.151		
5 m		050.450.852		050.451.152	050.450.652	050.450.152
7.5 m		050.450.853		050.451.153	050.450.653	050.450.153
10 m				050.451.154		050.450.154

■ Product hoses for suction rod

HOSE FOR SUCTION ROD			
Designation	**Part number**		
Polyethylene hose sleeve	**Ø 9.5 mm**	**Ø 19 mm**	**Ø 25 mm**
5 m cut	050.361.005	050.366.051	050.367.001
15 m cut	050.361.004	050.366.052	-
25 m cut	050.361.001	050.366.053	050.367.003
Grooved conical fitting	050.140.517	050.140.545	050.140.543
Nickeled nut fitting	050.271.303	050.271.502	049.595.306
1 wing collar	906.311.234	906.311.207	906.311.204

■ Nitrile air hoses



To use so that the equipment (gun and pump) have the same potential

HOSES CONFIGURATION				
Designation	**Part number**			
Material	Nitrile	Nitrile	Nitrile	Nitrile
Color	Black	Black	Black	Black
Internal diameter (mm)	7	8	10	16
Conductor	yes	yes	yes	yes
Color	Gold	Green	White	Blue
Maximum pressure bar	10			
P.N. by 5m without fitting	050.382.005	050.389.004	050.381.005	050.383.005
P.N. by 15m without fitting	050.382.004	050.389.003	050.381.004	050.383.004
P.N. by 25m without fitting	050.382.001	050.389.001	050.381.001	050.383.001
P.N. by 100m without fitting	050.382.002	050.389.002	050.381.002	-
Collar SK	906.311.224	906.311.224	906.311.226	906.311.232
Part number according to length with fittings				
Fitting A and B	1/4" NPS		3/8" NPS	26 x 125
0.25 m	-	-	-	050.383.107
0.35 m	050.382.101	-	-	-
0.45 m	-	-	-	050.383.109
0.70 m	050.382.104	050.389.104	-	050.383.104
0.75 m	-	-	-	050.383.110
2 m	050.382.111	-	-	-
5 m	050.382.109	050.389.101	050.381.101	-
7.5 m	050.382.114	050.389.103	-	-
10 m	050.382.110	050.389.102	050.381.102	-
15 m	050.382.116	050.389.105	-	-
20 m	050.382.113	-	-	-
25 m	050.382.217			

■ Polyamid or polyurethane air hoses

HOSES CONFIGURATION								
Designation	**Part number**							
Material	**Polyamide**					**Polyurethan**		
Color	**translucent**			**black**		**blue**		**black**
Internal diameter (mm)	2.7 x 4	4 x 6	6 x 8	6 x 8	8 x 10	4 x 6	6 x 8	8 x 12
Conductive	non							
Maximum operating pressure bar	10							
Temperature	up to 60 °C							
P.N. without fittings								
25 m	-	050.371.001	050.371.002	-	-	-	-	-

■ Hose sleeve

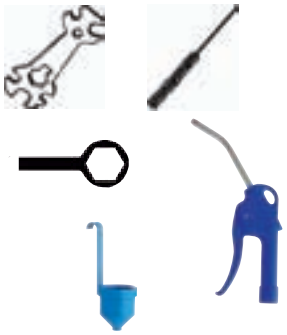
PART NUMBERS			
Description	**Product hole (mm)**	**Length (m)**	**Part number**
Hoses Sleeve	40	10	129.270.087

■ Lubricants and grease for pumps

LUBRICANT FOR PUMP PACKINGS	
Description	**Part number**
Lubricants for pump fittings	
T lubricant (1/4 l) can for solvent-based paints	149.990.020
Kit of 3 T lubricant cans (2L each)	151.260.820
Kit of 3 P lubricant cans (2L each)	151.260.821
Grease	
Vaseline 1 kg "special PMP"	560.440.002
Box of 450 g PTFE grease	560.440.001
Techni Lub tube	560.440.101
Box of grease (450g)	560.420.005

■ Miscellaneous

PART NUMBERS	
Description	**Part number**
M22/Xcite™ gun wrench	049.030.042
Large size brush	906.300.101
Small size brush	906.300.102
Wrench for product filters	049.030.018
Large blow gun	129.371.000
Viscosity cup N° 4 CA4	049.221.400
Thickness gauge from 25 to 2000µ	000.790.020
Adhesive-roller with KREMLIN REXSON logo (75mm x 100m)	571.141.003



RC 500 FULL VISOR MASK

Maximum protection for excellent working conditions, optimal health protection with low operating costs. The RC 500 is compliant with the latest european norms (EN14594, EN 166)

RC500 complete assembly

FEATURES	BENEFITS
Complete assembly with protection screen	Complete protection of the operator face and eyes (against isocyanates especially)
Performant air adduction by active carbon filter	Reliable operator health protection against all type of paints, dust...
Light and ergonomic	Reduced fatigue and excellent working conditions for increased productivity
Low airflow alarm	Constant operator protection
Adjustable head and front protection	Suitable for everyone and user-friendly
Easy disposable screen protectors	Easy maintenance

SPECIFICATIONS

Operating pressure (bar)	2 - 7
Working air flow (l/mn)	180
Maximum temperature (°C)	35

CONFIGURATION OF THE RC 500 FULL-VISOR MASK

Description	Part number
RC 500 full-visor mask complete (without network 10m air hose)	143.390.000
General supply air hose (compliant - length 10m)	143.390.140

ACCESSORIES

Description	Quantity	Part number
RC 500 full-visor mask alone (without belt or supply 10m air hose)	1	143.390.100
Screen protector	10	143.390.120
Belt with active carbon filter	1	143.390.110
Active carbon filters cartridges	2	143.390.130
Mask/belt air hose	1	143.390.150

RC 756 RESPIRATORS

Lightweight, comfortable respirators efficient for each type of paint and compliant with the latest european norms (Respirator: EN 140, Filters: EN 14393)

FEATURES	BENEFITS
Respirator body made of silicone	Hypoallergenic and high comfort
Equipped with large inlet and outlet valves	Easy breathing
Double fixing straps	Comfortable
Double filters	Performance (large diameter), visibility and high level of safety
Three high performance filters type available (solvented, water-based or multi with isocyante materials)	For an optimal protection whatever the type of paint used

CONFIGURATION OF THE RC 756 RESPIRATOR

Description	Part number
RC 756 respirator	143.380.100
RC 756 respirator for SOLVENT-BASED PAINTS - A1 filters	143.380.200
RC 756 respirator for WATER-BASED PAINTS - A1B1P3 filters	143.380.300
RC 756 respirator for PLURAL COMPONENT PAINTS - ISOCYANATES - A1B1E1K1P3 filters	143.380.400

FILTERS & PRE-FILTERS

Description	Type	Quantity	Part number
Filters for solvented paints	A1	10	143.380.210
Filters for water-based paints	A1B1P3	5	143.380.310
Filters for plural-components-isocyanates	A1B1E1K1P3	5	143.380.410
Pre-filters for A1 filters	-	25	143.380.110

ACCESSORIES

Description	Quantity	Part number
Attach strap	1	143.380.120
Spare inlet/outlet valves	3	143.380.130

■ Protective overalls

Protects the operator. Comfortable to wear, giving protection for dust or plush.

- Conforms to European Standards
- Made in non-woven fabric, they come with elasticated wrists and wide trouser legs to protect footwear

PART NUMBERS

Description	Taille	Quantity	Part number
Overalls Size S for 5 sets	S	5	564.504.001
Overalls Size M for 5 sets	M	5	564.504.002
Overalls Size L for 5 sets	L	5	564.504.003
Overalls Size XL for 5 sets	XL	5	564.504.004
Overalls Size XXL for 5 sets	XXL	5	564.504.005

■ Protective hood

Protects the head and hair

- Non-woven, light and lets the skin breathe
- Conforms to European Standards

PART NUMBERS

Description	Quantity	Part number
Protective hood	5	043.250.001

NOTES

AIRLESS SPRAYING

M250 AIRLESS

1 2 3 4 5 6 7

Recommended for quality AIRLESS industrial applications

FEATURES	BENEFITS
Ergonomic design	Very comfortable handle and trigger
Tungsten carbide needle and seat	Outstanding reliability and extended life time
Removable handle filter	Quick maintenance
Handle swivel fitting	Important flexibility

SPECIFICATIONS

Sprayed materials	Corrosion-resistant products, primers, fillers, epoxy...
Body of the gun	Aluminum
Maximum fluid pressure (bar)	250
Maximum Fluid Temperature (°C)	50
Wetted parts	Aluminum
Needle	Carbide
Weight (g)	540
Handle filter	Easily removable without key
Seat	Carbide

CONFIGURATION OF THE M250 SPRAY GUNS

Gun type	Tip	Maximum fluid pressure (bar)	Spray gun Part number
M 250	Reversible caliber 517	250	922.044.512

SEAL KITS

Description	Part number
Repair kit for AIRLESS M250 spray guns	922.004.407

KITS FOR AIRLESS M250 SPRAY GUNS

Description	Diameter Conductive fluid hose (mm)	Hoses Length (m)	Kit part number
M250 gun	6.35	10	151.245.500

■ Tip guards for reversible tips

● Allows for extremely rapid cleaning, without the need for any tool
● Manually removable (or conventional key lock system); very easy to use, it is also completely leak free
● Tip can be set in three possible positions: spraying, unplugging or removing.

TIP GUARDS FOR REVERSIBLE TIPS

Description	Fitting	Tightening type	Part number
Embases	11/16" - 16 UN3B (KREMLIN M250. W...)	Manual	922.562.000
		With wrench	922.552.000

TIP KIT

Description	Quantity	Part number
Tip seals	8	922.004.018

REPAIR KIT

Description	Part number
Repair kit with piston and spring	922.550.201

■ Reversible Tips

The choice of the tip must be done according to the desired flowrate in order to achieve a good finish and reduce paint costs. An AIRLESS tip needs to be replaced frequently in order to maintain the original transfer efficiency.
To determine the part number of a tip, use the number engraved on the tip to replace the crosses in following part number: 922.055.XXX.

REVERSIBLE TIPS

Output at 140 bar (l/mn)	Equivalent diameter (in mm)	Tip color	Handle filter (MESH)	Angle	30°	40°	50°	60°	70°	90°
				Fan width cm/inches[1]	15/20	20/25	25/30	30/35	35/40	45/50
0.280	0.23	grey	red (200)	Number engraved on the tip	-	-	-	609 (04.11)	-	-
0.454	0.28	red	blue (150)	Number engraved on the tip	311 (06.05)	411 (06.07)	-	-	-	-
0.643	0.33	orange	blue (150)	Number engraved on the tip	313 (09.05)	413 (09.07)	513 (09.09)	613 (09.11)	-	-
0.870	0.38	yellow	yellow (100)	Number engraved on the tip	315	415	515	615	-	-
1.136	0.43	blue	white (50)	Number engraved on the tip	317 (14.05)	417 (14.07)	517 (14.09)	617 (14.11)	-	-
1.360	0.48	green	white (50)	Number engraved on the tip	-	419 (20.07)	519 (20.09)	619 (20.11)	-	
1.741	0.53	black	white (50)	Number engraved on the tip	-	421 (20.07)	521 (20.09)	621 (20.11)	-	-
2.50	0.63	black	white (50)	Number engraved on the tip	-	-	525 (30.09)	-	725 (30.15)	925 (30.19)
3.33	0.74	black	white (50)	Number engraved on the tip	-	-	529 (45.09)	-	729 (45.15)	929 (45.21)

(1) The part numbers in brackets give the codes for equivalent KREMLIN flat tips from a spraying distance of 30 cm - 12 inches

■ Tip guards for flat tips

TIP GUARDS FOR FLAT TIPS

Description	Safety guard	Part number
M250 KREMLIN - thread tip guard	●	922.004.202
Tip fixing nut, wrench-locking KREMLIN M250 thread, without tip guard	-	050.273.303

TIP KIT

Description	Quantity	Part number
Tip seals	8	922.004.018

■ Flat tips

Flat tips ensure high precision and performance; The choice of the tip must be done according to the desired flowrate in order to achieve a good finish and reduce paint costs. An AIRLESS tip needs to be replaced frequently in order to maintain the original transfer efficiency.

Part number: 00000 XX.XX (replace of the X by the number read on the table)

FLAT TIPS

Size	Equivalent diameter (in mm-thousandth inches)	Fluid output at 140 bar (l/mn)	Tip Diaphragm	Handle filter (MESH)	Angle	18°	30°	40°	50°	60°	67°	75°	82°	88°	94°
					Width of fan at 25 cm	8	13	18	23	28	33	38	43	48	53
03	0.18/0.007	0.23	09	red (200)	Number engraved on the tip	03.03	03.05	03.07							
04	0.23/0.009	0.31	09	red (200)			04.05	04.07	04.09	04.11					
06	0.28/0.011	0.46	12	blue (150)			06.05	06.07	06.09	06.11	06.13	06.15			
09	0.33/0.013	0.63	15	blue (150)			09.05	09.07	09.09	09.11	09.13	09.15			
12	0.38/0.015	0.86	15	blue (150)						12.11			12.17	12.19	
14	0.41/0.016	1.01	18	blue (150)		14.03	14.05	14.07	14.09	14.11	14.13	14.15	14.17		
18	0.46/0.018	1.34	18	yellow (100)									18.17	18.19	
20	0.51/0.020	1.50	20	yellow (100)			20.05	20.07	20.09	20.11	20.13	20.15	20.17	20.19	
30	0.61/0.024	2.25	25	yellow (100)				30.07	30.09	30.11	30.13	30.15	30.17	30.19	
45	0.74/0.029	3.34	33	white (50)				45.07		45.11	45.13	45.15			45.21

■ Conical tips

Conical tips for direct mounting an manual and automatic guns

CONICAL TIPS

Equivalent diameter (in mm- thousandth inches)	Fluid output at 140 bar (l/mn)	Filter in handle (MESH)	Angle	21°	28°	36°	60°
0.71/0.028	0.9	yellow (100)	TC2	500.002			
0.71/0.028	1.4	yellow (100)	TC3		500.003		
1.06/0.42	1.8	white (50)	TC4			500.004	
1.52/0.60	4.2	white (50)	TC9				500.009

■ Adjustable fan tips

Adjustable fan tips provide a simultaneous adjustment of fan width and output.

Orifice diameter (mm)	Flat tip equivalent caliber (mini-maxi)	Flowrate (water)(l/mn)	Part number
0.18 - 0.41	03 - 14	0.23 - 1.1	254.020
0.28 - 0.51	06 - 20	0.46 - 1.5	000.000.620
0.41 - 0.91	14 - 68	1.1 - 5.3	000.001.468

■ Extensions for AIRLESS guns

● A complete extension set consists of: 1 extension, 1 fitting, 1 tip and 1 tip guard.

EXTENSIONS FOR AIRLESS SPRAY GUNS AND HANDLES	
Description	**Part number**
Extension - Length: 300 mm	922.030.122
Extension - Length: 600 mm	922.030.242
Swivel fitting	922.075.062
Straight fitting	922.024.302
Reversible or flat tip guard	(1)
Reversible of flat tip	(1)

(1) See table page 145

EXTENSION SEALS			
Description	**Quantity**	**Use**	**Part number**
Seals (narrow)	10	Extensions for 300 and 600mm	922.055.410
Seals (large)	10	Extensions for 300 and 600mm	922.055.510

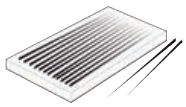
■ Swivel fittings

SWIVEL FITTINGS		
Description	**Thread**	**Part number**
Thread type (M250)	1/2 JIC (KREMLIN)	922.004.441
Thread type (M250)	1/4 NPS (G)	922.004.421
Thread type (M250) (W)	M 16 x 150 (W)	922.004.442

■ Gun handle filters

GUN HANDLE FILTERS (10 UNITS)		
Description	**Color**	**Part number**
200 MESH (74 µm) handle filter	red	129.480.210
150 MESH (100 µm) handle filter	blue	129.480.216
100 MESH (150 µm) handle filter	yellow	129.480.215
50 MESH (300 µm) handle filter	white	129.480.220

■ Unplugging needles for flat tips



UNPLUGGING NEEDLES FOR FLAT TIPS			
Description	**Tip Size (mm)**	**Quantity**	**Part number**
Unplugging needles	≤ 0.9	12	000.094.000
Unplugging needles	≥ 0.9	12	000.094.002

AIRLESS ASI 24 AND 40 SPRAY GUNS - STAINLESS STEEL

High output

FEATURES	BENEFITS
Equipped with 2 fluid inlets	Allows for circulation and saves money by eliminating the need for a 2-way valve on color or flushing
No spring in the fluid passages	Saves time and money by making it easier to clean, faster color changes and less maintenance
Large choice of tips	To fit each customer need

SPECIFICATIONS

Trigger air pressure (bar mini)	4 (ASI 24) 5.5 (ASI 40)
Maximum fluid pressure (bar)	240 (ASI 24) 400 (ASI 40)
Fluid output (cc/mn)	Upon tips
Weight (g) (gun only)	700
Maximum Fluid Temperature (°C)	50
Body of the gun	Stainless steel
Wetted parts	Stainless steel, treated stainless steel, PTFE
Seat	Carbide

FITTINGS

Power supply	Gun	Fitting
Fluid ASI 24 and ASI 40	F 1/4" NPS	Elbow M 1/4" NPT - M 1/2 JIC
Control air	F 1/8" BSP	Elbow - M 1/8" BSP - Hose 4 x 6

PART NUMBERS

Description	Part number
AIRLESS® ASI 24 w/o tip	129.980.000
AIRLESS® ASI 40 w/o tip	129.980.500
AIRLESS tips	(1)
Mounting support Ø 16	049.351.000

(1) to be ordered separately in the table of tips

REPAIR KIT

Description	Part number
Repair kit	129.980.901

AIRLESS ASI 40 GT SPRAY GUNS - STAINLESS STEEL

High reliability AIRLESS gun for high productivity:
KREMLIN unique design for very abrasive UV and HS materials.

- AIRLESS spraying for reduced overspray
- High power preventing any needle blockage

FEATURES	BENEFITS
Fitted with a GT cartridge	Strong resistance to very abrasive UV and HS materials for an improved reliability
Small ball needle	For an improved laminar fluid passage
Simple and unique design (separated small ball needle and cartridge)	Very easy to service
Large choice of tips	Recommended for large fluid outputs and very high viscosity material applications
400 bar spring	Strong power reducing any needle blocage

SPECIFICATIONS

Trigger air pressure (bar mini)	5.5
Maximum fluid pressure (bar)	400
Fluid output (cc/mn)	Upon Tip
Weight (g) (gun only)	700
Maximum Fluid Temperature (°C)	50
Body of the gun	Stainless steel
Wetted parts	Stainless steel, treated stainless steel, PTFE
Seat	Carbide

FITTINGS

Power supply	Gun	Fittings
Fluid ASI 24 et ASI 40	F 1/4" NPS	Elbow - M 1/4" NPT - M 1/2 JIC
Control air	F 1/8" BSP	Elbow - M 1/8" BSP - Hose 4 x 6

PART NUMBERS

Description	Part number
AIRLESS ASI 40 GT Gun	129.980.600
AIRLESS tips	See table
Mounting support Ø 16	049.351.000

REPAIR KIT

Description	Part number
Repair kit	129.980.901

■ Diaphragms for AIRLESS ASI 24 and 40

Diaphragm has to be chosen depending on nozzle diameter. it increases atomization quality.

PART NUMBERS		
Description	**Nozzle**	**Part number**
Diaphragm 12	03 - 06	000.029.112
Diaphragm 15	09 -12	000.029.115
Diaphragm 18	14 - 18	000.029.118
Diaphragm 20	20	000.029.120
Diaphragm 25	30	000.029.125
Diaphragm 60 - standart mounting	-	000.029.160
Fixing nut for the tip		000.152.290

AIRLESS AS2 SPRAY GUN - STAINLESS STEEL

Very compact gun with possibility of circulation

FEATURES	BENEFITS
Miniature size	Great for small systems with size restrictions
Wide range of AIRLESS® tips	Provides many patterns choices
Lightweight design	Makes it possible to mount more guns on a reciprocator without exceeding the weight limit

SPECIFICATIONS	
Maximum fluid pressure (bar)	120
Fluid flow rate (l/mn)	upon Tips
Weight (g) (gun only)	250
Maximum Fluid Temperature (°C)	50
Body of the gun	Aluminium
Wetted parts	Stainless steel
Seat	Carbide

FITTINGS		
Power supply	Gun	Fitting
Fluid	F 1/8" NPS	M 1/8" NPT - M 1/2 JIC
Control air	F M5	M M5 - Hose 4 x 6

CONFIGURATION OF THE AS2 AIRLESS GUN

Description	Part number
AIRLESS® AS 2 w/o tip	135.972.001
AIRLESS® tips	See table
Mounting support (Ø12 - length 70 mm)	049.351.600

AIRLESS GUNS

AIRLESS spraying for reduced overspray: can also be used as shutdown valve on a high pressure network

FEATURES	BENEFITS
Large choice of tips	Recommended for large fluid outputs and very high viscosity material applications
400 bar spring	Strong power reducing any needle blocage

SPECIFICATIONS

Trigger air pressure (bar mini)	5.5
Maximum fluid pressure (bar)	400
Fluid output (cc/mn)	Upon Tip
Weight (g) (gun only)	585
Maximum Fluid Temperature (°C)	50
Body of the gun	Aluminium
Wetted parts	Stell or Stainless steel
Seat	Carbide

FITTINGS

Power supply	Fittings
Fluid	Straight - M 1/8" G - M 1/2 JIC
Control air	Elbow - 2.7 x 4 hose
Mounting support	On Ø 12,5 mm tube

PART NUMBERS GUNS FOR AIRLESS STAINLESS STEEL AND NON STAINLESS STEEL

Description	Part number
AIRLESS gun non stainless steel without circulation	101.330.0101
AIRLESS gun non stainless steel with circulation	101.330.0201
AIRLESS gun stainless steel without circulation	101.330.1101
AIRLESS gun stainless steel with circulation	101.330.1201
AIRLESS tips	(1)

(1) To be ordered separately - see table page 158

REPAIR KIT

Description	Part number
Repair kit	101.331

ADAPTATION PART

Description	Type	Part number
Male adaptation part to be mounted at the front of the gun	M 1/8" G conical	203.948
Female adaptation part (steel) to be mounted at the front of the gun	M 1/4" G cylindrical	630.649
Feale adaptation part (stainless steel) to be mounted at the front of the gun	M 1/4" G cylindrical	203.033
Male adaptation part (steel) to be mounted at the front of the gun	F 10 x 100	630.647

■ Tip filter and diaphragms for AIRLESS guns

Diaphragm has to be chosen depending on nozzle diameter. it increases atomization quality.

TIP FILTER (TO BE MOUNTED AT THE FRONT OF THE GUN)		
Description	**Thread, retaining nut**	**Part number**
Tip filter non stainless steel (screen 160 mesh - 95 µ)	F 11/16" - M 11/16"	101.576
Tip filter non stainless steel (screen 100 mesh - 150 µ)	F 11/16" - M 11/16"	101.579

FILTRATION SCREEN	
Description	**Part number**
Screen filtrant Stainless steel - 50 mesh (300 µ)	625.218
Screen filtrant Stainless steel - 100 mesh (150 µ)	625.212
Screen filtrant Stainless steel - 160 mesh (95 µ)	625.216
Pack of 4 filter seals	107.021

DIAPHRAGMS (TO BE MOUNTED AT THE FRONT OF THE GUN)		
Description	**Nozzle**	**Part number**
Pre-orifice 09	03 - 04	500.109
Pre-orifice 11	06	500.111
Pre-orifice 13	09	500.113
Pre-orifice 16	12 - 14	500.116
Tip fixing nut	-	630.634

■ Flat tips

Flat tips ensure high precision and performance; The choice of the tip must be done according to the desired flowrate in order to achieve a good finish and reduce paint costs. An AIRLESS tip needs to be replaced frequently in order to maintain the original transfer efficiency.

Part number: 00000 XX.XX (replace of the X by the number read on the table)

FLAT TIPS

Size	Equivalent diameter (in mm-thousandth inches)	Fluid output at 140 bar (l/mn)	Tip Diaphragm	Handle filter (MESH)	Angle	18°	30°	40°	50°	60°	67°	75°	82°	88°	94°
					Width of fan at 25 cm	8	13	18	23	28	33	38	43	48	53
03	0.18/0.007	0.23	09	red (200)	Number engraved on the tip	03.03	03.05	03.07							
04	0.23/0.009	0.31	09	red (200)			04.05	04.07	04.09	04.11					
06	0.28/0.011	0.46	12	blue (150)			06.05	06.07	06.09	06.11	06.13	06.15			
09	0.33/0.013	0.63	15	blue (150)			09.05	09.07	09.09	09.11	09.13	09.15			
12	0.38/0.015	0.86	15	blue (150)						12.11			12.17	12.19	
14	0.41/0.016	1.01	18	blue (150)		14.03	14.05	14.07	14.09	14.11	14.13	14.15	14.17		
18	0.46/0.018	1.34	18	yellow (100)									18.17	18.19	
20	0.51/0.020	1.50	20	yellow (100)			20.05	20.07	20.09	20.11	20.13	20.15	20.17	20.19	
30	0.61/0.024	2.25	25	yellow (100)				30.07	30.09	30.11	30.13	30.15	30.17	30.19	
45	0.74/0.029	3.34	33	white (50)				45.07		45.11	45.13	45.15			45.21

■ Conical tips

Conical tips for direct mounting an manual and automatic guns

CONICAL TIPS

Equivalent diameter (in mm-thousandth inches)	Fluid output at 140 bar (l/mn)	Handle filter (MESH)	Angle	21°	28°	36°	60°
0.71/0.028	0.9	yellow (100)	TC2	500.002			
0.71/0.028	1.4	yellow (100)	TC3		500.003		
1.06/0.42	1.8	white (50)	TC4			500.004	
1.52/0.60	4.2	white (50)	TC9				500.009

■ Adjustable fan tips

Adjustable fan tips provide a simultaneous adjustment of fan width and output.

ADJUSTABLE FAN TIPS

Orifice diameter (mm)	Flat tip equivalent caliber (mini-maxi)	Flowrate (water)(l/mn)	Part number
0.18 - 0.41	03 - 14	0.23 - 1.1	254.020
0.28 - 0.51	06 - 20	0.46 - 1.5	000.000.620
0.41 - 0.91	14 - 68	1.1 - 5.3	000.001.468

40.25 PUMP - STAINLESS STEEL

Ideal for outputs up to 1.5 litre/mn

1 2 3 4 5 6 7

FEATURES	BENEFITS
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials
Stainless steel design	Compatible with water-based products
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm³)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Air consumption (m³/h) at 30 cycles/mn at 4 bar		21.6
Free flow rate (L/mn)		3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		77
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		80
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	M 26x125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.25 PUMP -STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.775.100
Wall mounted	●	●	●	●	151.775.200
2 arms cart mounted	●	●	●	●	151.775.400

KITS

Description	Part number
H25 GT seal kit	144.950.091
H25 GT repair kit	144.950.096
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

KITS FOR 40.25 PUMP WITH M250 GUN

Description	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Atomization air regulator	Hoses Length (m)	AD60 Heater	Pump output filter	Kit part number
Wall-mounted 40.25 kit	M 250	-	Reversible 517 tip	●	●	-	10	-	●	151.260.972

40.25 WB PUMP - STAINLESS STEEL

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.5 litre/mn.

FEATURES	BENEFITS
Large suction fluid passage	For high viscosity materials
Puls-Absorber™ device	Stable and smooth flow
Stainless steel design	Compatible with water-based products
Stainless steel strainer	Long service life and good reliability No crushing possible
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		50
Number of cycles per litre of products		20
Fluid Output at 30 cycles/mn (l/mn)		1.5
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		21.6
Free flow rate (L/mn)		3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		77
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		92
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 1"
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.25 WB PUMP -STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.775.550
2 arms cart mounted	●	●	●	●	151.775.500

KITS

Description	Part number
H25 WB seal kit	144.950.991
Repair kit H25 WB	144.950.992
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Suction rod 1"	921.270.101
Stainless steel flushing rod F18 x 125	049.596.000

40.50 PUMP - STAINLESS STEEL

Ideal for feeding two guns

1 2 3 4 5 6 7

FEATURES	BENEFITS
Simple design , reduced number of spare parts	Easy maintenance
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Free flow rate (L/mn)		6
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		43.2
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		80
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT sealing
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		80
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2" JIC

CONFIGURATION OF THE 40.50 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.785.100
Wall mounted	●	●	●	●	151.785.200
2 arms cart mounted	●	●	●	●	151.785.400

KITS

Description	Part number
H50 GT seal kit	144.960.091
H50 GT repair kit	144.960.096
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

40.50 WB PUMP - STAINLESS STEEL

Recommended for high viscosity products such as water-based and high solid paints. Ideal for outputs up to 1.5 litre/mn.

FEATURES	BENEFITS
Large suction fluid passage	For high viscosity materials
Puls-Absorber™ device	Stable and smooth flow
Stainless steel design	Compatible with water-based products
Stainless steel strainer	Long service life and good reliability No crushing possible
Simple design , reduced number of spare parts	Easy maintenance

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		43.2
Free flow rate (L/mn)		6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		80
Sealing Packings	Upper sealing	Polyfluid + PTFE G
	Lower sealing	GT seal
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		22
Height (cm)		92
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 1''
	Fluid output (filter)	M 3/4" JIC

CONFIGURATION OF THE 40.50 WB PUMP -STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.785.550
2 arms cart mounted	●	●	●	●	151.785.500

FITTING TO CONNECT AN AIRLESS GUN KIT

Description	Part number
Adaptator stainless steel F 3/4" JIC/M 1/2" JIC	905.160.219

KITS

Description	Part number
H50 WB seal kit	144.960.891
H50 WB repair kit	144.960.892
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Suction rod 1"	921.270.101
Stainless steel flushing rod F18 x 125	049.596.000

40.130-2 PUMP - STAINLESS STEEL

Recommended for anti-corrosion applications

1 2 3 4 5 6 7

FEATURES	BENEFITS
Stainless steel design	Compatible with water-based materials Well-suited for anti-corrosion materials
Rugged design	Excellent perfomances and easy maintenance in hard to reach places
Air motor muffler included	Very silent pump for better comfort of the operator

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 20 Cycles/mn (l/mn)		4.8
Free flow rate (L/mn)		14.4
Air Consumption @ 20 CPM at 5 bar		96.8
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		85
Sealing Packings	Upper sealing	PTFE G + PE
	Lower sealing	GT sealing
Wetted parts		Stainless steel, Carbide, Hard chromed stainless steel
Weight (kg) - wall-mounted		110
Height (cm)		108
Width (cm)		64
Depth (cm)		32.5

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	M 38 x 150
	Fluid Outlet	M 3/4" JIC

CONFIGURATION 40.130-2 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	-	-	●	-	151.870.500
Wall mounted	●	●	●	●	151.870.600
Cart-mounted	●	●	●	●	151.870.700

KITS

Description	Part number
Seal kit H130	144.025.090
Repair kit H130-2	144.025.695
Repair kit H130	144.025.095
Seal kit 5000-4-2 air motor	146.280.991
Seal kit 5000-4 air motor	146.280.990
Repair kit 5000-4-2 air motor	146.280.996
Repair kit 5000-4 air motor	146.280.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel flushing rod F18 x 125	049.596.000

53.60 PUMP - STAINLESS STEEL

AIRLESS unit especially designed for industrial coating applications.
Ideal for feeding two guns

FEATURES	BENEFITS
Cart-mounted pump	Can be used in most industrial areas
Rugged design	Adapted for construction sites
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials

SPECIFICATIONS

Pressure ratio		53/1
Fluid volume per cycle (cm^3)		124
Number of cycles per litre of products		8
Fluid Output at 30 cycles/mn (l/mn)		3.7
Free flow rate (L/mn)		7.4
Air consumption (m^3/h) at 30 cycles/mn at 4 bar		71
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		318
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		72
Sealing Packings	Upper sealing	Leather/PE
	Lower sealing	Leather/PE
Wetted parts		Stainless steel
Weight (kg)		90
Height (cm)		130
Width (cm)		74
Depth (cm)		83

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 3/4" JIC

CONFIGURATION 53.60 PUMP

Set-up	Suction rod	Drain rod	Fluid pressure regulator	Pump output filter	Part number
Cart-mounted	●	●	●	●	151.245.953

REPAIR KITS

Description	Part number
Leather/PE seal kit	105.247
Seal motor kit	146.320.090
Silencer kit	146.320.091
Distributor kit	146.320.092
Distributor seal kit	146.320.093

65.130-2 PUMP - STAINLESS STEEL

Recommended for anti-corrosion applications

FEATURES	BENEFITS
Stainless steel design	Compatible with water-based materials Well-suited for anti-corrosion materials
Rugged design	Excellent perfomances and easy maintenance in hard to reach places
Air motor muffler included	Very silent pump for better comfort of the operator
Pressure ratio 65/1	High power, compatible with long hose lengthes

SPECIFICATIONS

Pressure ratio		65/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 30 cycles/mn (l/mn)		4.8
Free flow rate (L/mn)		14.4
Air Consumption @ 20 CPM at 5 bar		157.3
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		390
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		78
Sealing Packings	Upper sealing	PTFE G + PE
	Lower sealing	GT sealing
Wetted parts		Stainless steel hard chromed. Stainless steel. Carbide
Weight (kg) - wall-mounted		86
Height (cm)		112
Width (cm)		48
Depth (cm)		50

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	M 38 x 150
	Fluid Outlet	M 3/4" JIC

CONFIGURATION OF THE 65.130-2 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	●	151.880.600
Cart-mounted	●	-	●	●	151.880.700

KITS

Description	Part number
Seal kit H130	144.025.090
Repair kit H130-2	144.025.695
Repair kit H130	144.025.095
Seal kit 8000-4-2 air motor	146.258.991
Seal kit 8000-4 air motor	146.259.901
Repair kit 8000-4-2 air motor	146.258.996
Repair kit 8000-4 air motor	146.259.905

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel flushing rod F18 x 125	049.596.000

80.110 PUMP - STAINLESS STEEL

AIRLESS unit especially designed for industrial coating applications. Ideal for feeding two guns

FEATURES	BENEFITS
Cart-mounted pump	Can be used in most industrial areas
Rugged design	Adapted for construction sites
Stainless steel design	Compatible with water-based materials
Simple design , reduced number of spare parts	Easy maintenance
Large diameter suction rod and high compression ratio	Can be used with a wide range of materials

SPECIFICATIONS

Pressure ratio		80/1
Fluid volume per cycle (cm³)		220
Number of cycles per litre of products		4.5
Fluid Output at 30 cycles/mn (l/mn)		6.6
Free flow rate (L/mn)		13.6
Air consumption (m³/h) at 30 cycles/mn at 4 bar		190
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		480
Maximum Fluid Temperature (°C)		60
Sound level (dBA)		72
Sealing Packings	Upper sealing	Leather/PE
	Lower sealing	Leather/PE
Wetted parts		Stainless steel
Weight (kg)		125
Height (cm)		136
Width (cm)		74
Depth (cm)		83

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	1"
	Fluid output (filter)	M 3/4" JIC

CONFIGURATION OF THE 80.110 PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Fluid pressure regulator	Filter pump outlet	Part number
Cart-mounted	●	●	●	●	151.245.980

REPAIR KITS

Description	Part number
Leather/PE seal kit	106.284
Air motor seal kit	146.340.090
Silencer kit	146.320.091
Distributor kit	146.320.092
Distributor seal kit	146.320.093

34.A2 FLOWMAX® PUMP - STAINLESS STEEL

Unique design with external valves for an easy maintenance. Flowmax technology ensures total sealing. Quick inversion of this pump allows for a perfectly stable fan shape at the gun.
Performance, extended lifetime, reliability.

FEATURES	BENEFITS
External valves assemby	Easy maintenance
Floating piston	Fast inversions and very high efficiency
Sealing done by a Superlife™ bellow seal	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Large and smooth fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure

SPECIFICATIONS

Pressure ratio		34/1
Fluid volume per cycle (cm³)		60
Number of cycles per litre of products		16
Fluid Output at 30 cycles/mn (l/mn)		1.8
Air consumption (m³/h) at 30 cycles/mn at 4 bar		22
Free flow rate (L/mn)		3.6
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		200
Maximum Fluid Temperature (°C)		50
Sound level (dBA)		71
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		26.5
Height (cm)		61
Width (cm)		41
Depth (cm)		25

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Air outlet (option atomization air kit)	M 1/4" NPS
	Fluid Inlet	M 26 x 125
	Fluid output (filter)	M 1/2 JIC

CONFIGURATION OF THE FLOWMAX® 34.A2 PUMP

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall-mounted Flowmax® 34.A2	●	●	●	●	151.740.700
1 arm cartFlowmax® 34.A2	●	●	●	●	151.740.750

KITS

Description	Part number
Seal kit for A2 fluid section	144.910.799
Repair kit for A2 fluid section	144.910.797
Seal kit for external valves	144.910.798
Seal kit for 2000-2 air motor	144.929.902
Repair kit for 2000-2 air motor	144.929.912

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

KITS FOR FLOWMAX® 34.A2 PUMPS

Description	Gun type	Supplied with aircap	Tip	Suction rod	Drain rod	Atomization air regulator	Hoses Length (m)	Pump output filter	Kit part number
Wall-mounted Flowmax® 34.A2	M 250	-	Reversible 517 tip	●	●	-	10	●	151.260.870

40.25F FLOWMAX® PUMP - STAINLESS STEEL

New generation Flowmax® pump for low volume applications

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing - ideal for isocyanates Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm³)		50
Number of cycles per litre of products		20
Air consumption (m³/h) at 30 cycles/mn at 4 bar		21.6
Fluid Output at 30 cycles/mn (l/mn)		1.5
Free flow rate (L/mn)		3
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		72
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		37
Height (cm)		97
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	M 26 x 125
	Fluid Outlet	M 1/2" JIC

CONFIGURATION OF THE FLOWMAX® 40.25F PUMP - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	●	●	●	151.776.200
Cart-mounted	●	●	●	●	151.776.400

KITS

Description	Kit part number
Seal kit H25F	144.950.291
Repair kit H25F	144.950.292
Seal kit for 1000-4 air motor	146.270.991
Repair kit for 1000-4 air motor	146.270.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Kit part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

40.50F FLOWMAX® PUMP - STAINLESS STEEL

New generation Flowmax® pump, ideal for feeding two guns

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm³)		100
Number of cycles per litre of products		10
Fluid Output at 30 cycles/mn (l/mn)		3
Air consumption (m³/h) at 30 cycles/mn at 4 bar		43.2
Free flow rate (L/mn)		6
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		77
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT Polyethylene
Wetted parts		Stainless steel
Weight (kg) - wall-mounted		42
Height (cm)		97
Width (cm)		40
Depth (cm)		28

FITTINGS

Fitting	Air inlet (valve)	F 3/4" BSP
	Fluid Inlet	M 26x125
	Fluid Outlet	M 1/2" JIC

CONFIGURATION OF THE FLOWMAX® 40.50F PUMPS- STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	-	151.786.100
Wall mounted	●	●	●	●	151.786.200
Cart-mounted (on a 2-arms cart)	●	●	●	●	151.786.400

KITS

Description	Part number
Seal kit H 50F	144.960.291
Repair kit H 50F	144.960.292
Seal kit for 2000-4 air motor	146.270.990
Repair kit for 2000-4 air motor	146.270.996

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Post Cart w/o plate	051.221.000
Two Post Pump Mounting Plate	056.100.199
Easyflow suction rod Ø25 plunging tube length 600 mm	149.596.150
Easyflow suction rod Ø25 plunging tube length 1000mm (for 200 liters drums)	149.596.160
Stainless steel flushing rod F18 x 125	049.596.000

40.130F2 FLOWMAX® PUMP - STAINLESS STEEL

1 2 3 4 5 6 7

Recommended for anti-corrosion applications

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity

SPECIFICATIONS

Pressure ratio		40/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 20 Cycles/mn (l/mn)		4.8
Free flow rate (L/mn)		14.4
Maximum fluid pressure (bar)		240
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		85
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Wetted parts		Stainless steel, Carbide, Hard chromed stainless steel
Weight (kg)		70
Height (cm)		112
Width (cm)		65
Depth (cm)		32,5

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	M 38 x 150
	Fluid Outlet	M 3/4" JIC

CONFIGURATION OF THE FLOWMAX® 40.130F2 PUMP- STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	-	-	●	-	151.871.500
Wall mounted	●	-	●	●	151.871.600
Cart-mounted	●	-	●	●	151.871.700

KITS

Description	Part number
H 130F-2 seals kit	144.020.690
H 130F seals kit	144.020.090
H 130F-2 repair kit	144.020.695
H 130F repair kit	144.020.095
Seal kit 5000-4-2 air motor	146.280.991
Seal kit 5000-4 air motor	146.280.990
Repair kit 5000-4-2 air motor	146.280.996
Repair kit 5000-4 air motor	146.280.995

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel flushing rod F18 x 125	049.596.000

65.130F2 FLOWMAX® PUMP - STAINLESS STEEL

1 2 3 4 5 6 7

Recommended for corrosion-resistant applications

FEATURES	BENEFITS
Sealing done by one large stroke bellow	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Ergonomic design of fluid passages	Fluid discharge without retention of a wide range of coating materials
Stainless steel design	Compatible with water-based materials
Balanced fluid section	Constant fluid output pressure
Mobile piston seal	Excellent suction capacity
Pressure ratio 65/1	High power, compatible with long hose lengthes

SPECIFICATIONS

Pressure ratio		65/1
Fluid volume per cycle (cm^3)		240
Number of cycles per litre of products		4
Fluid Output at 20 Cycles/mn (l/mn)		4.8
Free flow rate (L/mn)		14.4
Maximum fluid pressure (bar)		390
Maximum Fluid Temperature (°C)		50
Maximum air inlet pressure (bar)		6
Sound level (dBA)		78
Sealing packing	Bellows	Polyethylene
	Upper and lower	GT polyethylene
Wetted parts		Stainless steel, carbide, hard chromed stainless steel
Weight (kg)		90
Height (cm)		116
Width (cm)		48
Depth (cm)		50

FITTINGS

Fitting	Air Inlet	F 3/4" BSP
	Fluid Inlet	M 38 x 150
	Fluid Outlet	M 3/4" JIC

CONFIGURATION OF THE FLOWMAX® 65.130F2 - STAINLESS STEEL

Set-up	Suction rod	Drain rod	Air regulator Fluid pressure	Pump output filter	Part number
Wall mounted	●	-	●	●	151.881.600
Cart-mounted	●	-	●	●	151.881.700

KITS

Description	Part number
H 130F-2 seals kit	144.020.690
H 130F seals kit	144.020.090
H 130F-2 repair kit	144.020.695
H 130F repair kit	144.020.095
Seal kit 8000-4-2 air motor	146.258.991
Seal kit 8000-4 air motor	146.259.901
Repair kit 8000-4-2 air motor	146.258.996
Repair kit 8000-4 air motor	146.259.905

CARTS AND RODS (SUCTION AND FLUSHING)

Description	Part number
Two Reinforced Arms w/o mounting plate	051.231.000
Pump bracket	051.341.206
Suction rod Ø25 plunging tube length 600 mm	049.597.100
Stainless steel flushing rod F18 x 125	049.596.000

■ Filters 360, 400 and 460 bar

CONFIGURATION OF STEEL FILTERS

Description	Maximum fluid pressure (bar)	Stainless steel for filter	Thread			Part number
			Inlet	Outlet	Drain	
1/2" bare steel filter	400	cartridge 160µ	F 1/2" G	F 1/2" G	F 1/4" G	104.240
3/4" bare steel filter	400	cartridge 160µ	F 3/4" G	F 3/4" G	F 1/4" G	104.243
1/2" steel filter + drain valve	400	cartridge 160µ	F 1/2" G	F 1/2" G	M 1/2" JIC	104.241
3/4" steel filter + drain valve	400	cartridge 160µ	F 3/4" G	F 3/4" G	M 1/2" JIC	104.244

CONFIGURATION OF STAINLESS STEEL FILTERS

Description	Maximum fluid pressure (bar)	Stainless steel for filter	Thread			Part number
			Inlet	Outlet	Drain	
3/4" stainless steel bare filter	360	12	F 3/4" NPS (x1)	F 3/4" NPS (x1)	F 3/8" NPS (x1)	155.581.450
Stainless steel Accumulator equipped filter 3/4"	360	12	M 3/4" BSP	M 3/4" JIC	M 18x125	155.581.400
1" stainless bare steel filter-double screen	480	15 (x2)	F 1" NPS (x1)	F 1" NPS (x1)	F3/8" NPS (x2)	155.582.000
Stainless steel equipped double screen filter 1"	480	15 (x2)	F 1" G	F 1" G	F 3/8" G	155.582.050
1/2" stainless steel bare filter	400	cartridge 160µ	F 1/2" G	F 1/2" G	F 1/4" G	104.247
1/2" stainless steel bare filter + drain valve	400	cartridge 160µ	F 1/2" G	F 1/2" G	M 1/2" JIC	104.248
3/4" stainless steel bare filter + drain valve	400	cartridge 160µ	F 3/4" G	F 3/4" G	M 1/2" JIC	104090

FILTER ACCESSORIES

Description	Part number
Stainless steel filter fitting lenght 70 mm (MM 3/8" NPT)	055.580.301
Wall-mounted bracket and screws for 3/8", 3/4" and 1" filter with 9 digits part numbers	155.190.105
Wall-mounted bracket for filters with 6 digits part numbers	204052

■ Screen and cartridges for fluid filter

SCREEN CONFIGURATION (FILTRATION SURFACE 65 CM²)

Filter number	Filtration size		Nozzle size	Part number
	Micron	Mesh		
1	40	325	3	000.161.101
2	74	200	4	000.161.102
3	90	170	4	000.161.103
4	100	140	4	000.161.104
6	168	85	6	000.161.106
8	210	70	09 & 14	000.161.108
12	280	55	20	000.161.112
15	360	45	30 & 45	000.161.115
20	510	30	> 68	000.161.020
30	750	20	> 68	000.161.030

CONFIGURATION FILTRATION CARTRIDGE STAINLESS STEEL (FILTRATION SURFACE 132 CM²)

Description	Filtration size		Nozzle size	Part number
	Micron	Mesh		
Filtration cartridge Stainless steel	90	170	4	601.241
Filtration cartridge Stainless steel	102	140	4	601.240
Filtration cartridge Stainless steel	160	83	6	601.239
Filtration cartridge Stainless steel	201	65	9 - 20	601.324
Filtration cartridge Stainless steel	350	45	30 - 68	601.238
Filtration cartridge Stainless steel	710	25	> 68	601.237

CONFIGURATION FILTRATION CARTRIDGE STEEL (FILTRATION SURFACE 132 CM²)

Description	Filtration size		Nozzle size	Part number
	Micron	Mesh		
Filtration cartridge steel	90	170	4	601.093
Filtration cartridge steel	102	140	4	601.090
Filtration cartridge steel	160	83	6	601089
Filtration cartridge steel	201	65	9 - 20	601.287
Filtration cartridge steel	350	45	30 - 68	601.092
Filtration cartridge steel	710	25	> 68	601.084

■ Strainers for suction rods

STRAINERS CONFIGURATION

Pump	Height (mm)	Internal diameter (mm)	Material	Filtration size		Part number
				Micron	Mesh	
40.130-2 / 40.130 F2 / 65.130 / 65.130 F2	112	66	Polyamide	1000	15	149.591.400
40.25/40.50WB	40	48	Stainless steel	1000	15	921.270.102
34.A2 / 40.25 / 40.25F / 40.50 / 40.50F / Easy Flush Ø25	40	48	Stainless steel	1000	15	149.596.152

CYCLIX™ AGITATORS FOR 20-40-200 L DRUMS

This elevator-agitator for 20-40 to 200l drums features a double-effect jack for a fast lift of a stainless steel cover fitted for a quick material drum change. The cover is equipped with a motorized agitator fitted with blades for low viscosity materials and a full stainless steel rod.

The elevator is coming on a large fixing plate which makes it very stable and easy to install in paint kitchens, existing installations or an essential component of new installations.

FEATURES	BENEFITS
Stainless steel (agitator cover, suction and drain rods)	Compatibility with all materials
Adjustable suction rod height	No product loss
Suction and return tubes	Suitable for recirculating
Double effect jack with 3 positions command lever: up, stop, down	Important flexibility
The agitator cannot work during elevator movements	Security

CHARACTERISTICS

Capacity (L)		20 - 40	200
Motor type		Pneumatic	Pneumatic
Reductor type		-	Gear train
Rotation speed (rpm)		60 - 300	5 - 90
Motor torque	Nm	2.2	34

CYCLIX™ PART NUMBERS FOR 20 - 40 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 20 -40 l drums	1024 (min) - 1500 (max)	-	-	-	151.081.000
Agitator for 20 -40 l drums	-	400	134	-	154.261.700
Cover for 20 -40 l drums	-	-	-	400	154.261.600
Suction/exhaust kit	-	-	-	-	154.261.800

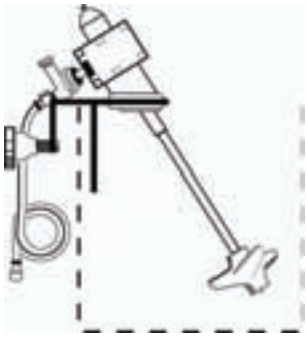
CYCLIX™ PART NUMBERS FOR 200 L DRUMS

Description	Elevator height (mm)	Agitator rod length (mm)	Paddle diameter (mm)	Cover diameter (mm)	Part number
Elevator for 200 l drums	1510 (mini) - 2410 (maxi)	-	-	-	151.091.000
Agitator for 200 l drums	-	800	370	-	154.261.300
Cover for 200 l drums	-	-	-	635	154.261.200
Suction/exhaust kit	-	-	-	-	154.261.400

RECOMMENDED ACCESSORIES

Description	Part number
1/4" air lubrificator + support	154.261.997
Exhaust assembly with oil recovery (length 1 m)	154.261.996
Air feeding kit	154.261.930
Drum roller unit for 200 litres drum	151.098.100
Slotted paddle for thick materials	154.261.952

■ Agitators for edge pail mounting



Agitator for barrel edge mounting.
Minimum barrell height of 300 mm

AGITATORS	
Description	**Part number**
Bare agitator	051.332.610
Agitator with 25 cm hose	051.332.600
Agitator with 5 m hose	049.220.710
System for barrel mounting	049.220.720

■ Stainless steel agitators on cover

Stainless steel Agitator:
For drums diameter between 295 and 325 mm
Minimum drum height of 390 mm

AGITATORS	
Description	**Part number**
Stainless steel agitator for Ø325 cover	903.290.101

■ AIRLESS polyamide fluid hoses

● Those hoses should be chosen according to the diameter, the length and the pressure used in the application

HOSES CONFIGURATION SINGLE BRAIDED HOSE				
Designation		**Part number**		
Conductive		**YES**		
Color		**Black**		
Internal diameter	4.8 (3/16")	6.35 (1/4")	9.52 (3/8'')	12.7 (1/2")
Max.operating pressure bar	325	300	225	175
Temperature	up to 100°C			
Cut of 25m without fitting			050.450.005	
Fitting alone to screw in	-		905.060.107	
PART NUMBER ACCORDING TO LENGTH WITH FITTINGS per meter				
A and B fittings (free nut)	1/2 JIC	1/2 JIC	3/4 JIC	7/8 JIC
		Treated steel fittings		
		Without spring		
0. 5 m		76.022	76.035	
1 m	76.010	76.023	76.036	76.049
2 m	76.012	76.025	76.038	76.051
3 m		76.026	76.039	
5 m		76.028	76.041	
6 m	76.016	76.029	76.042	
7 m		76.030	76.043	76.056
8 m		76.031	76.044	76.057
10 m		76.033	76.046	
12 m		76.034		

HOSES CONFIGURATION DOUBLE BRAIDED HOSE					
Designation			**Part number**		
Conductive			**YES**		
Color			**Black**		
Internal diameter	6.35 (1/4")	6.35 (1/4")	9.52 (3/8'')	9.52 (3/8")	12.7 (1/2")
Max.operating pressure bar	450	500	375	425	375
Temperature	up to 100°C				
PART NUMBER ACCORDING TO LENGTH WITH FITTINGS PER METER					
A and B fittings (free nut)	1/2 JIC	1/2 JIC	3/4 JIC	3/4 JIC	7/8 JIC
			Treated steel fittings		
			Without spring		
0.5 m				76.074	
1 m	050.451.001		050.450.905		
2 m		76.064		76.077	76.090
3 m		76.065	050.450.904		76.091
5 m	050.451.002	76.067	050.450.903	76.080	76.093
6 m				76.081	76.094
8 m		76.070			76.096
10 m	050.451.003		050.450.902	76.085	
12 m		76.073		76.086	
14 m				76.842	
18 m				76.844	
20 m			050.450.901		

■ AIRLESS PTFE fluid hoses

For all products, particularly those which are sensitive to air humidity (like silicone) and those which are chemically aggressive.

HOSES CONFIGURATION						
Designation	**Part number**					
Material color	**Grey with metallic braid**					
Internal diameter (mm)	4.8 (3/16")	6.35 (1/4")	9.52 (3/8")	9.52 (3/8")	12.7 (1/2")	12.7 (1/2")
Conductive	**YES**					
Maximum Operating pressure (bar)	250	250	175	350	350	350
Temperature	≤ 110 °C					
Fittings A and B (free nut)	1/2 JIC	1/2 JIC	3/4 JIC	3/4 JIC	3/4 JIC	7/8 JIC
0.60 m	050.452.010	-	-	-	-	-
0.70 m	-	-	050.451.904	-	-	-
1 m	-	050.452.001	050.451.903	-	-	-
2 m	-	-	050.451.901	76.800	050.452.204	76.872
3 m	-	-	-	76.801	-	76.874
5 m	-	050.452.002	050.451.902	76.802	-	76.928
7 m	-	-	-	76.803	050.452.201	-
10 m	-	-	-	76.914	050.452.203	-

■ Product hoses for suction rod

HOSE FOR SUCTION ROD			
Designation	**Part number**		
Polyethylene hose sleeve	**Ø 9.5 mm**	**Ø 19 mm**	**Ø 25 mm**
5 m cut	050.361.005	050.366.051	050.367.001
15 m cut	050.361.004	050.366.052	-
25 m cut	050.361.001	050.366.053	050.367.003
Grooved conical fitting	050.140.517	050.140.545	050.140.543
Nickeled nut fitting	050.271.303	050.271.502	049.595.306
1 wing collar	906.311.234	906.311.207	906.311.204

■ Lubricants and grease for pumps

LUBRICANT FOR PUMP PACKINGS	
Description	**Part number**
Lubricants for pump fittings	
T lubricant (1/4 l) can for solvent-based paints	149.990.020
Kit of 3 T lubricant cans (2L each)	151.260.820
Kit of 3 P lubricant cans (2L each)	151.260.821
Grease	
Vaseline 1 kg "special PMP"	560.440.002
Box of 450 g PTFE grease	560.440.001
Techni Lub tube	560.440.101
Box of grease (450g)	560.420.005

PROTECTION

RC 500 FULL VISOR MASK

Maximum protection for excellent working conditions, optimal health protection with low operating costs. The RC 500 is compliant with the latest european norms (EN14594, EN 166)

FEATURES	BENEFITS
Complete assembly with protection screen	Complete protection of the operator face and eyes (against isocyanates especially)
Performant air adduction by active carbon filter	Reliable operator health protection against all type of paints, dust...
Light and ergonomic	Reduced fatigue and excellent working conditions for increased productivity
Low airflow alarm	Constant operator protection
Adjustable head and front protection	Suitable for everyone and user-friendly
Easy disposable screen protectors	Easy maintenance

RC500 complete assembly

SPECIFICATIONS	
Operating pressure (bar)	2 - 7
Working air flow (l/mn)	180
Maximum temperature (°C)	35

CONFIGURATION OF THE RC 500 FULL-VISOR MASK

Description	Part number
RC 500 full-visor mask complete (without network 10m air hose)	143.390.000
General supply air hose (compliant - length 10m)	143.390.140

ACCESSORIES

Description	Quantity	Part number
RC 500 full-visor mask alone (without belt or supply 10m air hose)	1	143.390.100
Screen protector	10	143.390.120
Belt with active carbon filter	1	143.390.110
Active carbon filters cartridges	2	143.390.130
Mask/belt air hose	1	143.390.150

RC 756 RESPIRATORS

Lightweight, comfortable respirators efficient for each type of paint and compliant with the latest european norms (Respirator: EN 140, Filters: EN 14393)

FEATURES	BENEFITS
Respirator body made of silicone	Hypoallergenic and high comfort
Equipped with large inlet and outlet valves	Easy breathing
Double fixing straps	Comfortable
Double filters	Performance (large diameter), visibility and high level of safety
Three high performance filters type available (solvented, water-based or multi with isocyante materials)	For an optimal protection whatever the type of paint used

CONFIGURATION OF THE RC 756 RESPIRATOR

Description	Part number
RC 756 respirator	143.380.100
RC 756 respirator for solvent-based paints - A1 filters	143.380.200
RC 756 respirator for water-based paints - A1B1P3 filters	143.380.300
RC 756 respirator for PLURAL component paints - isocyanates - A1B1E1K1P3 filters	143.380.400

FILTERS & PRE-FILTERS

Description	Type	Quantity	Part number
Filters for solvented paints	A1	10	143.380.210
Filters for water-based paints	A1B1P3	5	143.380.310
Filters for plural-components-isocyanates	A1B1E1K1P3	5	143.380.410
Pre-filters for A1 filters	-	25	143.380.110

ACCESSOIRES

Description	Quantity	Part number
Attach strap	1	143.380.120
Spare inlet/outlet valves	3	143.380.130

■ Protective overalls

Protects the operator. Comfortable to wear, giving protection for dust or plush.

- Conforms to European Standards
- Made in non-woven fabric, they come with elasticated wrists and wide trouser legs to protect footwear

PART NUMBERS

Description	Taille	Quantity	Part number
Overalls Size S for 5 sets	S	5	564.504.001
Overalls Size M for 5 sets	M	5	564.504.002
Overalls Size L for 5 sets	L	5	564.504.003
Overalls Size XL for 5 sets	XL	5	564.504.004
Overalls Size XXL for 5 sets	XXL	5	564.504.005

■ Protective hood

Protects the head and hair

- Non-woven, light and lets the skin breathe
- Conforms to European Standards

PART NUMBERS

Description	Quantity	Part number
Protective hood	5	043.250.001

ELECTROSTATIC SPRAYING

KMV 3 SPRAY GUN

Perfect for complex tubular parts such as tubes, frameworks, chassis, tables.

Compliant with ATEX Directive:
INERIS 03 ATEX 0026X
II 2 G
EEX 0.24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Wide range available	For a large range of materials
Built-in HT generator	Low voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Light and ergonomic	User friendly
Option: ventilated air double sleeve hose	Maximum wrap-around effect for materials with viscosity lower than 5 Mohms.cm
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, aircap and KMV nozzle	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		10
Weight	w/o hose nor cable (g)	800
Fluid flow rate (l/mn)		1 max
Fan width (cm)		20
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity > 5Mohms.cm)	M 1/2" JIC
	Fitting (resistivity< 5Mohms.cm)	F 1/2" JIC

AIRCAP KMV

KMV 3 SPRAY GUN CONFIGURATION

Description	Fan shape	Aircap	Nozzle Caliber (mm)	Voltage cable length (m)	Part number
KMV3 gun	Round	KMV	Swirling fan	10	135.287.420
KMV3 gun	Round	KMV	Swirling fan	15	135.287.425

KMV3 GUN KITS

Description	Resistivity range	Hoses Length (m)	Kit with power supply part number	Kit part number w/o power supply
KMV 3 kit	Higher than 5 MΩ.cm	5	151.260.661	151.260.660
KMV 3 kit	Higher than 5 MΩ.cm	10	151.260.666	151.260.665
KMV 3 low resistivity	Lower than 5 MΩ.cm	10	-	151.260.770

FITTING TO CONNECT WITH AIRSPRAY PUMPS (PMP 150/02.75)

Description	Part number
Adaptator F 3/8" NPS/M1/2" JIC	050.123.306

KMV3 REPAIR KIT

Description	Part number
KMV3 repair kit (cartridge, nozzle, needle, aircap and seals)	129.277.355

■ Aircaps, tips, needles for KMV3

TIPS. AIRCAPS AND NEEDLES FOR AUTOMATIC GUNS

Gun type	Aircap w/o ring			Tip			Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Fluid output	Part number	Part number
KMV	KMV	16 Nm^3/h at 4 bar	129.277.354	Swirling fan	1000 cm^3/mn at 1.5 bar	129.277.040	129.277.100

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KMP 3 Ex SPRAY GUN

1 2 3 4 5 6 7

Ideal for all parts requesting high quality finish together with an excellent edge covering for office furniture, rolloing equipment, accessories ...

Compliant with ATEX Directive:
INERIS 03 ATEX 0026X
Ex II 2 G
EEX 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Wide range available	For a large range of materials
Built-in HT generator	Low voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Light and ergonomic	User friendly
Option: ventilated air double sleeve hose	Maximum wrap-around effect for materials with viscosity lower than 5 Mohms.cm
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KP3 aircap and Ø1,2	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		10
Weight	w/o hose nor cable (g)	800
Fluid flow rate (l/mn)		1 max
Fan width (cm)		20
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity > 5Mohms.cm)	M 1/2" JIC
	Fitting (resistivity< 5Mohms.cm)	F 1/2" JIC

AIRCAP KP3

KMP 3 Ex SPRAY GUN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Voltage cable length (m)	Part number
KMP3 Ex spray gun	Flat	KP3	1.2	10	135.286.420
KMP3 Ex spray gun	Flat	KP3	1.2	15	135.286.425

KMP3 Ex GUN KIT

Description	Resistivity range	Hoses Length (m)	Kit part number w/o power supply	Kit with power supply part number
Kit KMV 3 Ex	Higher than 5 MΩ.m	10	151.260.685	151.260.686
Kit KMV 3 Ex	Higher than 5 MΩ.m	15	151.260.690	151.260.691
Kit KMV 3 Ex low resistivity	Lower than 5 MΩ.m	10	151.260.765	

FITTING TO CONNECT WITH AIRSPRAY PUMPS (PMP 150/02.75)

Description	Part number
Adaptator F 3/8" NPS/M1/2" JIC	050.123.306

KMP3 Ex REPAIR KIT

Description	Part number
KMP3 Ex repair kit (cartridge, nozzle, needle, aircap and seals)	129.276.350

■ Aircaps, tips, needles for KMP3

TIPS, AIRCAPS AND NEEDLES FOR AUTOMATIC GUNS

Gun type	Aircap w/o ring			Tip			Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Fluid output	Part number	Part number
KMP	KP3	24 N m³/h at 4 bar	132.286.000	Ø 1.2 (supplied with gun)	600 cm³/mn at 4 bar	129.276.205	129.276.100
KMP	KP3	24 N m³/h at 4 bar	132.286.000	Ø 1.5	800 cm³/mn at 4 bar	129.276.220	129.276.100

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KMX 3 SPRAY GUN

Ideal for large parts with the high Airmix® finish quality.

Compliant with ATEX Directive:
INERIS 03 ATEX 0026X
II 2 G
EEX 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Wide range available	For a large range of materials
Built-in HT generator	Low voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Light and ergonomic	User friendly
Option: ventilated air double sleeve hose	Maximum wrap-around effect for materials with viscosity lower than 5 Mohms.cm
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KX16 aircap and 09,135 tip	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		100
Weight	w/o hose nor cable (g)	800
Fluid output (l/mn)		Upon tip
Fan width (cm)		Upon tip and adjustable by aircap rotation
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity > 5Mohms.cm)	M 1/2" JIC
	Fitting (resistivity< 5Mohms.cm)	F 1/2" JIC

AIRCAP
KX 16

KMX 3 GUN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Voltage cable length (m)	Part number
KMX3 spray gun	Flat	KX 16	09.135	10	135.284.420
KMX3 spray gun	Flat	KX 16	09.135	15	135.284.425

KMX3 KITS

Description	Resistivity range	Hoses Length (m)	Kit part number w/o power supply	Kit with power supply part number
KMX3	Higher than 5 MΩ.com	10	151.260.700	151.260.701
KMX3	Higher than 5 MΩ.cm	15	151.260.705	151.260.706
KMX3 low resistivity	Lower than 5 MΩ.cm	10	151.260.760	-

KMX3 REPAIR KIT

Description	Part number
KMX3 repair kit (cartridge, tip, needle, aircap and seals)	129.274.350

■ Aircaps, tips, needles for KMX3

AIRCAPS, TIPS, NEEDLE

Gun type	Aircap w/o ring			Tips	Needle for manual guns
	Type	Air flow-rate	Part number	Fluid flowrate	Part number
KMX 3	KX116 - fixed fan	5 Nm^3/h at 2 bar	132.284.100	see AIRMIX® tips	129.272.100
	KX16 - adjustable fan	8 Nm^3/h at 2 bar	132.284.000		

AIRCAP RING

Description	Part number
Aircap ring for KMX/KAX	129.276.001

■ Special tips with dielectric insert

SPECIAL TIPS

Size[1]	Water output in l/mn			Ø equivalent (mm)	Screen mark			Avarage width of fan at 25 cm				
	20 bar	35 bar	50 bar		gun filter	pump filter		13 cm	19 cm	23 cm	27 cm	35 cm
06	0.15	0.20	0.30	0.28	4	4 or 6	number marked on the tip	06.075	06.095	06.115	06.135	-
09	0.20	0.30	0.45	0.33	6	6 or 8	number marked on the tip	09.075	09.095	09.115	09.135	-
12	0.26	0.36	0.55	0.38	6	6 or 8	number marked on the tip	-	12.095	12.115	12.135	-
14	0.30	0.40	0.70	0.41	6	8 or 12	number marked on the tip	-	14.095	-	-	14.175

(1) To determine the part number of a tip, use the number listed in the table and replace the crosses in the following part number: 134.5xx.xxx

NOTES

KMC 3 Ex SPRAY GUNS

Ideal for complex parts such as tubes, frameworks, chassis and tables...

Compliant with ATEX Directive:
INERIS 03 ATEX 0026X
Ex II 2 G
EEX 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Wide range available	For a large range of materials
Built-in HT generator	Low voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Light and ergonomic	User friendly
Option: ventilated air double sleeve hose	Maximum wrap-around effect for materials with viscosity lower than 5 Mohms.cm
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KX5 aircap and K30 nozzle	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		100
Weight	w/o hose nor cable (g)	800
Flow rate (l/mn)		Upon tip
Fan width (cm)		Upon tip and adjustable by aircap rotation
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity > 5Mohms.cm)	M 1/2" JIC
	Fitting (resistivity < 5Mohms.cm)	F 1/2" JIC

AIRCAP
KXC 5

KMC 3 Ex H20 GUN

Description	Fan shape	Aircap	Tip Size (mm)	Voltage cable length (m)	Part number
KMC3 Ex spray gun	Round hollow fan	KXC 5	K 30	10	135.283.430
KMC3 Ex spray gun	Round hollow fan	KXC 5	K 30	15	135.283.435

KMC 3 Ex GUN KIT

Description	Resistivity range	Hoses Length (m)	Kit part number w/o power supply	Kit with power supply part number
KMC3 Ex kit	Higher than 5 MΩ.cm	10	151.260.715	151.260.716
KMC3 Ex kit	Higher than 5 MΩ.cm	15	151.260.720	151.260.721

KMC3 Ex REPAIR KIT

Description	Part number
KMC3 Ex repair kit (cartridge, tip, needle, aircap and seals)	129.273.350

■ Aircaps, tips, needles for KMC3

AIRCAPS, TIPS, NEEDLES AND MAINTENANCE KITS FOR KMC 3

Gun type	Aircap			Tip			Needle for KAC
	type	Air output	Part number	Size (mm)	Fluid output	Part number	Part number
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K20	200 cm^3/mn	134.873.020	129.272.100
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K30 (supplied with gun)	300 cm^3/mn	134.873.030	129.272.100
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K40	400 cm^3/mn	134.873.040	129.272.100
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K50	500 cm^3/mn	134.873.050	129.272.100
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K60	600 cm^3/mn	134.873.060	129.272.100
KMC 3	KX55	8 Nm^3/h at 2 bar	132.400.100	K70	700 cm^3/mn	134.873.070	129.272.100

■ STD9 power supply for manual guns

The STD 9 compact power supply transforms main alternating current into a variable direct current adjustable between 3V and 12V. It is designed to be used with KMP 3, KMV 3, KMX 3 and KMC3.

It has a built-in electronic system to ensure the safe operation of the spray gun. A switch in the power supply turns the voltage on when the gun is triggered and atomization air is flowing.

According to the current standards, this control box is classified as IP54. It has to be positionned in the ATEX safe zone.

STD9 POWER SUPPLY	
Description	**Part number**
STD 9 power supply (manual guns)	148.200.100

■ Air and fluid hoses for K3 Ex guns

FLUID AND AIR HOSES					
Length	**air hose (F 1/4" NPS)**		**product hose (F 1/2" JIC)**		
	5 m	**10 m**	**5m (resistivity higher than 5 MΩ/cm)**	**10m (resistivity higher than 5 MΩ/cm)**	**10 m insulating (resistivity lower than 5 MΩ/cm)**
KMP	050.389.101	050.389.102	050.450.801	050.450.802	129.292.310
KMV	050.389.101	050.389.102	050.450.801	050.450.802	129.292.310
KMX	050.382.109	050.382.110	050.450.801	050.450.802	129.292.310
KMC	050.382.109	050.382.110	050.450.801	050.450.802	129.292.310

NOTES

SPRAYMIUM® Ex LOW PRESSURE SPRAY GUN

The Spraymium® gun associates ergonomy, fiability and application performances. It's dedicated to companies interested in the process improvement by facilitating the operator work. It's light and a controls and value display is integrated in the gun which allow the operator to choose between 3 preset voltage levels.

The low pressure version is avaiblable in flat or hollow cone fan type

Compliant with ATEX:
ISSeP 08ATEX020
Ex II 2 G
Ex 0,24 mJ

FM approved

For use in ATEX zone 1

FEATURES	BENEFITS
Built-in HT generator	Removable low voltage cable and user-friendly operation
Wide range available	For a large range of materials
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Product swivel fitting	Reduced fatigue and excellent working conditions for increased productivity
Quick-disconnect flexible air hose	Quick maintenance
Built-in pressure sensor	Prefered settings recording for a perfect repeatability
Controls and voltage value display	User friendly

SPECIFICATIONS			
Fan type	Super Vortex	Super Vortex	Flat
Standard head	SSV08	SSV12	SP
Product pressure (bar)	8 bar	8 bar	8 bar
Air inlet pressure	6 bar ± 1 bar	6 bar ± 1 bar	6 bar ± 1 bar
Temperature (ambient)	0°C - 40°C	0°C - 40°C	0°C - 40°C
Fluid output (cc/mn)	650	750	750
Spray pattern width	35 cm	40 cm	18 - 47
Air flow	7.5 - 17	9 -23	12 - 25
Fluid viscosity	14 s. - 40 s.	14 s. - 40 s.	14 s. - 40 s.
Ground	880 g.	880 g.	880 g.
Output KV	85 kV maxi. (+0kV; 15kV) adjustable in Spraymium or Spraybox	85 kV maxi. (+0kV; 15kV) adjustable in Spraymium or Spraybox	85 kV maxi. (+0kV; 15kV) adjustable in Spraymium or Spraybox
Output current	100 µA maxi.	100 µA maxi.	100 µA maxi.
Air connection on the handle	F 1/4 NPS	F 1/4 NPS	F 1/4 NPS
Quick air fitting for	ø 8mm	ø 8mm	ø 8mm
Paint Connection type	M 1/2 JIC	M 1/2 JIC	M 1/2 JIC

CONFIGURATION OF THE SPRAYMIUM® Ex LOW PRESSURE SPRAY GUN

Description	Resistivity range (MΩ.cm)	Fan shape	Tip Size (mm)	Part number
SPRAYMIUM® SSV08 LP HR JR	5 - 500	Round fan (Super Vortex)	08	910.004.885
SPRAYMIUM® SSV12 LP HR JR	5 - 500	Round fan (Super Vortex)	12	910.004.883
SPRAYMIUM® SP LP HR JP	5 - 500	Flat fan	JP	910.004.884
SPRAYMIUM® SSV08 LP LR JR	≥ 0.5	Round fan (Super Vortex)	08	910.005.778
SPRAYMIUM® SSV12 LP LR JR	≥ 0.5	Round fan (Super Vortex)	12	910.005.776
SPRAYMIUM® SP LP LR JP	≥ 0.5	Flat fan	JP	910.005.777

SPRAYBOX CONTROL BOX PART NUMBERS

Description	Part number
SPRAYBOX control box	110.000.3521
SPRAYBOX mounting kit	910.005.759

SPRAYMIUM® LOW PRESSURE SPRAY GUN

FLUID HOSES FOR HR AND LR

Description	Resistivity range (MΩ.cm)	Fluid / Fitting	Length (m)	Part number
LR HP Ø 4,8 fluid hose	≥ 0.5	FF 1/2 JIC	10	910.002.417
HR fluid hose supplied with gun			(1)	-

(1) Need an extension, see relevant table.

HR FLUID HOSES EXTENSIONS PART NUMBERS

Description	Length (m)	Part number
Flex hose Ø 6.3 PA grey 120 bar 1/2 JIC	10	050.450.707
Flex hose Ø 6.3 PA grey 120 bar 1/2 JIC	15	050.450.709
Flex hose Ø 6.3 PA grey 120 bar 1/2 JIC	20	050.450.708

ELECTRO-PNEUMATIC COUPLING SETS (LR AND HR VERSIONS)

Description	Length (m)	Part number
Electro-pneumatic coupling sets HR- LR10	10	910.003.61910
Electro-pneumatic coupling sets HR- LR15	15	910.003.61915
Electro-pneumatic coupling sets HR- LR20	20	910.003.61920

PAINT HOSES KITS WITH EXTENSIONS FOR LR

Description	Length (m)	Part number
Paint hoses kits with extensions	15	910.006.398
Paint hoses kits with extensions	20	910.006.463

SPRAYMIUM® GUN KITS

Kit designation	Resistivity range (MΩ.cm)	Fan shape	Tip size (mm)	Hoses Length (m)	Kit Part number
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	8	10	910.004.88510
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	8	15	910.004.88515
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	8	20	910.004.88520
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	12	10	910.004.88310
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	12	15	910.004.88315
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Round fan (Super Vortex)	12	20	910.004.88320
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Flat fan	15	10	910.004.88410
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Flat fan	15	15	910.004.88415
SPRAYMIUM® HR gun complete kit with SPRAYBOX	5 - 500	Flat fan	15	20	910.004.88420
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	8	10	910.005.77810
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	8	15	910.005.77815
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	8	20	910.005.77820
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	12	10	910.005.77610
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	12	15	910.005.77615
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Round fan (Super Vortex)	12	20	910.005.77620
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	15	10	910.005.77710
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	15	15	910.005.77715
SPRAYMIUM® LR gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	15	20	910.005.77720

SPRAYMIUM® HIGH PRESSURE SPRAY GUN

The Spraymium® gun associates ergonomy, fiability and application performances. It's dedicated to companies interested in the process improvement by facilitating the operator work. It's light and a controls and value display is integrated in the gun which allow the operator to choose between 3 preset voltage levels.
The AIRMIX® version is avaiblable in fan or round spray.

Compliant with ATEX Directive:
ISSeP 08ATEX020
II 2 G
Ex 0,24 mJ

FM approved

To be used in zone 1

FEATURES	BENEFITS
Built-in HT generator	Removable low voltage cable and user-friendly operation
Wide range available	For a large range of materials
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Product swivel fitting	Reduced fatigue and excellent working conditions for increased productivity
Quick-disconnect flexible air hose	Quick maintenance
Built-in pressure sensor	Prefered settings recording for a perfect repeatability
Controls and voltage value display	User friendly

SPECIFICATIONS		
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		200
Weight	w/o hose nor cable (g)	880
Fluid output (cc/mn)		Upon tips
Fan width at 25 cm (cm)		29
Total Length (cm)		32
Recommended fluid viscosity		Coupe AFNOR 4 ≤ 40s
Probe voltage		0 - 85 kV
Maximum current		100 µA
Wetted parts		Stainless steel - PAI - FEP - PDM - tungsten carbide - PTFE elastomer - Polypropylene - IXEF - Glass fiber - ceramics

AIRCAP
X 14

CONFIGURATION OF THE ELECTROSTATIC SPRAYMIUM® GUN

Description	Resistivity range (MΩ.cm)	Fan shape	Aircap	Tips size (mm)	Part number
SPRAYMIUM® SX120 HP HR JP	5 - 500	Flat fan	X 14	09.139	910.007.016
SPRAYMIUM® SX200 HP HR JP	5 - 500	Flat fan	X 14	09.139	910.004.888
SPRAYMIUM® SX120 HP LR JP	0.5 - 500	Flat fan	X 14	09.139	910.007.017
SPRAYMIUM® SX200 HP LR JP	0.5 - 500	Flat fan	X 14	09.139	910.005.781

SPRAYBOX CONTROL BOX

Description	Part number
SPRAYBOX control box	110.000.352
SPRAYBOX mounting kit	910.005.759

SPRAYMIUM® HIGH PRESSURE SPRAY GUN

FLUID HOSES FOR HR AND LR

Description	Resistivity range (MΩ.cm)	Fluid Fitting	Length (m)	Part number
LR HP Ø 4,8 fluid hose	≥ 0.5	FF 1/2 JIC	10	910.002.417
HR fluid hose suppied with gun	5 - 500	FF 1/2 JIC	(1)	-

(1) Need an extension, see relevant table.

HR FLUID HOSES EXTENSIONS PART NUMBERS

Description	Resistivity range (MΩ.cm)	Fitting Produit	Length (m)	Part number
Flexible hose Ø 4,8 PA blue 240 bar	5 - 500	FF 1/2 JIC	10	050.450.606
Flexible hose Ø 4,8 PA blue 240 bar	5 - 500	FF 1/2 JIC	15	050.450.607
Flexible hose Ø 4,8 PA blue 240 bar	5 - 500	FF 1/2 JIC	20	050.450.608
Flexible hose Ø 4,8 PA blue 240 bar	5 - 500	FF 1/2 JIC	30	050.450.609

PAINT HOSES KITS WITH EXTENSIONS FOR LR

Description	Resistivity range (MΩ.cm)	Length (m)	Part number
Paint hoses kits with extensions	0.5 - 500	15	910.006.398
Paint hoses kits with extensions	0.5 - 500	20	910.006.463

ELECTRO-PNEUMATIC COUPLING SETS (LR AND HR VERSIONS)

Description	Length (m)	Part number
Electro-pneumatic coupling sets HR- LR10	10	910.003.61910
Electro-pneumatic coupling sets HR- LR15	15	910.003.61915
Electro-pneumatic coupling sets HR- LR20	20	910.003.61920

SPRAYMIUM® GUN KITS

Description	Resistivity range (MΩ.cm)	Fan shape	Air-cap	Tip size (mm)	Hoses Length (m)	Part number
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	10	910.007.01610
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	15	910.007.01615
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	20	910.007.01620
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	30	910.007.01630
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	10	910.004.88810
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	5 - 500	Flat fan	X 14	09.139	20	910.004.88820
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	5 - 550	Flat fan	X 14	09.139	30	910.004.88830
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	10	910.007.01710
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	20	910.007.01720
SPRAYMIUM® SX 120 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	30	910.007.01730
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	10	910.005.78110
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	20	910.005.78120
SPRAYMIUM® SX 200 gun complete kit with SPRAYBOX	0.5 - 500	Flat fan	X 14	09.139	30	910.005.781.30

■ Special tips with dielectric insert for SPRAYMIUM®

SPECIAL TIPS FOR SPRAYMIUM®

Size[1]	Water output in l/mn			Ø equivalent (mm)	Screen mark			Average width of fan at 25 cm				
	20 bar	35 bar	50 bar		gun filter	pump filter		13 cm	19 cm	23 cm	27 cm	35 cm
06	0.15	0.20	0.30	0.28	4	4 or 6	number marked on the tip	06.079	06.099	06.119	06.139	-
09	0.20	0.30	0.45	0.33	6	6 or 8	number marked on the tip	09.079	09.099	09.119	09.139	-
12	0.26	0.36	0.55	0.38	6	6 or 8	number marked on the tip	-	12.099	12.119	12.139	-
14	0.30	0.40	0.70	0.41	6	8 or 12	number marked on the tip	-	14.099	-	-	14.179

(1) To determine the part number of a tip, use the number listed in the table and replace the crosses in the following part number: 134.5xx.xxx

KMV 3 H2O SPRAY GUN

This gun is designed for water-based materials without built-in electronic and without electrical cable. This gun has to be used with a special hose for an optimal electrostatic effect.
Perfect for complex parts: tubular, frames, complex shapes, tables...


Model shown: KMP3 H2O

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Built-in HT generator	Lightweight gun (620g versus 800g), no high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Ergonomic	User friendly
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, aircap and KMV nozzle	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		10
Weight	w/o hose nor cable (g)	620
Fluid flow rate (l/mn)		1 max
Fan width (cm)		20
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity < 5Mohms.cm) - on double sleeve hose	F 1/2" JIC

AIRCAP KMV

KMV 3 H2O GUN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Part number
KMV3 H2O gun	Round	KMV	Swirling fan	135.297.000

■ Aircaps, tips, needles for KMV3 H2O

AIRCAPS, TIPS AND NEEDLES FOR KMV 3 H2O

Gun type	Aircap w/o ring			Tip		Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Part number	Part number
KMV3 H2O	KMV	16 Nm³/h at 4 bar	129.277.354	Swirling fan 1000 cm³/mn at 1,5 bar	129.277.040	129.277.100

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KMP 3 H2O SPRAY GUN

1 2 3 4 5 6 7

This gun is designed for water-based materials without built-in electronic and without electrical cable. This gun has to be used with a special hose for an optimal electrostatic effect. Perfect for all parts requiring high finish quality while maintaining excellent edge coverage: cabinets, industrial bodyshops, accessories....

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Built-in HT generator	Lightweight gun (620g versus 800g), no high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Ergonomic	User friendly
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KP3 aircap and Ø1,2	Ready to use gun/quick and simple maintenance

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		10
Weight	w/o hose nor cable (g)	620
Fluid flow rate (l/mn)		240
Fan width (cm)		30
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity < 5Mohms.cm) - on double sleeve hose	F 1/2" JIC

AIRCAP KP3

KMP3 H2O FLAT FAN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Part number
KMP3 H2O gun	Flat	KP3	1.2	135.296.000

■ Aircaps, tips, needles for KMP3 H2O

TIPS, AIRCAPS AND NEEDLES FOR KMP3 H2O

Gun type	Aircap w/o ring			Tip			Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Fluid output	Part number	Part number
KMP3	KP3	24 N m³/h at 4 bar	132.286.000	Ø 1.2 (supplied with gun)	600 cm³/mn at 4 bar	129.276.205	129.276.100
KMP3	KP3	24 N m³/h at 4 bar	132.286.000	Ø 1.5	800 cm³/mn at 4 bar	129.276.220	129.276.100

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KMX 3 H2O GUN

This gun is designed for water-based materials without built-in electronic and without electrical cable. This gun has to be used with a special hose for an optimal electrostatic effect. Perfect for all parts requiring high finish quality while maintaining excellent edge coverage: cabinets, industrial bodyshops, accessories....

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Built-in HT generator	Lightweight gun (620g versus 800g), no high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Ergonomic	User friendly
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KX16 aircap and 09,135 tip	Ready to use gun/quick and simple maintenance

Model shown KMP

SPECIFICATIONS		
Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		100
Weight	w/o hose nor cable (g)	620
Fluid output (l/mn)		Upon tips
Fan width (cm)		Upon tip and adjustable at the aircap
Total Length (cm)		285 mm
Recommended fluid viscosity		40 s CA4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP -PTFE - Polyacetal - Polyethylene

FITTINGS		
Fitting	Air	M 1/4" NPS
	Fitting (resistivity < 5Mohms.cm) - on double sleeve hose	F 1/2" JIC

AIRCAP KX16

KMX3 H2O GUN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Part number
KMX3 H2O gun	adjustable flat fan	KX16	09.135	135.294.000

■ Aircaps, tips, needles for KMX3 H2O

TIPS, AIRCAPS AND NEEDLES FOR KMX3 H2O

Gun type	Aircap w/o ring			Tips	Needle for manual guns
	Type	Air flow-rate	Part number	Fluid flowrate	Part number
KMX 3	KX116 - fixed fan	5 Nm³/h at 2 bar	132.284.100	see AIRMIX® table	129.272.100
KMX 3	KX16 - adjustable fan	8 Nm³/h at 2 bar	132.284.000	see AIRMIX® table	129.272.100

AIRCAP RING

Description	Part number
Aircap ring for KMX/KAX	129.276.001

■ Special tips with dielectric insert

SPECIAL TIPS

Size[1]	Water output in l/mn			Ø equivalent (mm)	Screen mark			Average width of fan at 25 cm				
	20 bar	35 bar	50 bar		gun filter	pump filter		13 cm	19 cm	23 cm	27 cm	35 cm
06	0.15	0.20	0.30	0.28	4	4 or 6	number marked on the tip	06.075	06.095	06.115	06.135	-
09	0.20	0.30	0.45	0.33	6	6 or 8	number marked on the tip	09.075	09.095	09.115	09.135	-
12	0.26	0.36	0.55	0.38	6	6 or 8	number marked on the tip	-	12.095	12.115	12.135	-
14	0.30	0.40	0.70	0.41	6	8 or 12	number marked on the tip	-	14.095	-	-	14.175

(1) To determine the part number of a tip, use the number listed in the table and replace the crosses in the following part number: 134.5xx.xxx

KMC3 H2O GUN

This gun is designed for water-based materials without built-in electronic and without electrical cable. This gun has to be used with a special hose for an optimal electrostatic effect. Perfect for large complex parts.

FEATURES	BENEFITS
Reduced number of components	Easy field repair
Built-in HT generator	Lightweight gun (620g versus 800g), no high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Ergonomic	User friendly
Comes in a case complete with gun wrench and screwdriver, gun cover, hose sleeve, laminated safety sheet, service manual, KX5 aircap and K30 nozzle	Ready to use gun/quick and simple maintenance

Model shown: KMX3 H2O gun

SPECIFICATIONS

Maximum air inlet pressure (bar)		6
Maximum fluid pressure (bar)		100
Weight	w/o hose nor cable (g)	620
Fluid output (l/mn)		Upon tips
Total Length (cm)		285 mm
Recommended fluid viscosity		40s CA 4 maxi
Probe voltage		20 - 85 kV
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Stainless steel - Polyamide - PETP - PTFE - Polyacetal - Polyethylene

FITTINGS

Fitting	Air	M 1/4" NPS
	Fitting (resistivity < 5Mohms.cm) - on double sleeve hose	F 1/2" JIC

AIRCAP KXC5

KMC3 H2O HOLLOW FAN GUN CONFIGURATION

Description	Fan shape	Aircap	Tip Size (mm)	Part number
KMC3 H2O gun	Round hollow fan	KXC5	K30	135.293.000

KMC 3 H20 MAINTENANCE KIT

Description	Part number
KMC3 repair kit (cartridge, tip, needle, aircap and seals)	129.273.350

■ Aircaps, tips, needles KMC3 H2O

AIRCAPS, TIPS, NEEDLES FOR KMC 3

Gun type	Aircap type	Aircap air output	Aircap Part number	Tip Size (mm)	Tip Fluid output	Tip Part number	Needle for KAC Part number
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K20	200 cm³/mn	134.873.020	129.272.100
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K30 (supplied with gun)	300 cm³/mn	134.873.030	129.272.100
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K40	400 cm³/mn	134.873.040	129.272.100
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K50	500 cm³/mn	134.873.050	129.272.100
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K60	600 cm³/mn	134.873.060	129.272.100
KMC	KX55	8 Nm³/h at 2 bar	132.400.100	K70	700 cm³/mn	134.873.070	129.272.100

ISOBUBBLE II

For water-based paints, the pump and paint should be isolated in an ISOBubble.
The ISOBubble II, with a compact design, can be installed near the working area.
With a large sliding cover, it allows for fast and easy pressure adjustements and colour changes. A built-in safety device ensures the system is grounded when the gun is not triggered or if the cover is opened.

Pump not supplied

FEATURES	BENEFITS
Wide dimensions	Compatible with a large range of pumps: PMP 150, 02.75, 15-C25, 20.25, 20.50, 17A2
New grounding system	For maximum safety
New connectic	For a quick service and maintenance

SPECIFICATIONS	
Material	White polyethylene
Total height (mm)	1453
External diameter (bottom/top)(mm)	721/700
Internal height (mm)	1000
Internal diameter (mm)	680
Weight (kg)	30
Maximum air inlet pressure (bar)	6

ISOBUBBLE II PART NUMBERS

Description	Recommended hoses	Hoses Length (m)	Barrel	Part number
ISOBubble II	Non conductive air hoses	5	-	148.260.000
		5	yes (for mounting with H2O gun or automatic guns)	148.260.100

■ STD9 B power supply for H2O manual guns

The STD 9 B compact power supply transforms main alternating current into a variable direct current adjustable between 3V and 8V. It has to be used with KMP 3 H2O, KMV 3 H2O, KMX 3 H2O and KMC 3 H2O. It has a built-in electronic system to ensure the safe operation of the spray gun. A switch in the power supply turns the voltage on when the gun is triggered and atomization air is flowing. According to the current standards, this control box is classified as IP54.

STD9 POWER SUPPLY	
Description	**Part number**
STD 9B power supply - specific for ISOBubble II™	148.200.200

■ Feeding hoses for H2O guns

The special hose allows for an optimum electrostatic effect by preventing any condensation.

ADAPTATION FITTING	
Description	**Part number**
Adaptator F 3/8" NPS/M1/2" JIC	050.123.306

FEEDING HOSES FOR H2O GUN		
	15 m length.	**10 m length.**
Fluid hose for H20 gun	129.292.315	129.292.310
Air hose - Ø 7 (KMX H2O, KMC H2O)	050.382.116	050.382.110
Air hose - Ø8 (KMP H2O, KMV H2O)	050.389.105	050.389.102

KAV SPRAY GUN

Swirling fan for the ultimate wrap-around effect on tubular parts.

Compliant with ATEX directive:
INERIS 04 ATEX 0093X
II 2 G
EEx 0,24 mJ

To be use in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
New generator barrel with 3 positions indexing (-45°, 0, + 45°)	Guaranteed positioning on robot mounting
Generator barrel close to the gun	No high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Aircaps and nozzle	Quick maintenance and stock reduction

SPECIFICATIONS		
Maximum fluid pressure (bar)		6
Recommended atomization air pressure (bar)		6
Trigger air pressure (bar mini)		4
Weight	without hoses, cable (g)	1100 with BG barrel
Fluid flow rate (l/mn)		0.22
Fan width (cm)		20
Total Length (cm)		340
Recommended fluid viscosity		40s max.
Probe voltage		85 kV max
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Polyacetal, stainless steel, carbide, brass

FITTINGS		
Fitting	Air	Spraying (polyamide 6x8), pilot (polyamide 4x6)
	Fitting (resistivity > 5Mohms.cm)	M 1/2 JIC
	Fitting (resistivity < 5Mohms.cm)	F 1/2 JIC

KMV AIRCAP

PISTOLET KAV

Description	Aircap	Tip	Fluid flow rate (l/mn)	Voltage cable length (m)	Part number
KAV with generator barrel	KMV	Swirling fan	0.22	12	135.397.730
KAV with out generator barrel	KMV	Swirling fan	0.22	-	129.397.300

Aircaps, tips, needles for KAV

TIPS, AIRCAPS AND NEEDLES FOR AUTOMATIC GUNS

Gun type	Aircap w/o ring			Tip		Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Part number	Part number
KAV	KAV	16 Nm³/h at 4 bar	129.277.354	Swirling fan 1000 cm³/mn at 1.5 bar	129.277.040	129.397.311

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KAP SPRAY GUN

New generation of automatic electrostatic gun which guarantees product savings and increased productivity thanks to the wrap-around effect.

High quality adjustable flat fan.

Compliant with ATEX Directive:
INERIS 04 ATEX 0093X
II 2 G
EEx 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
New generator barrel with 3 positions indexing (-45°, 0, + 45°)	Guaranteed positioning on robot mounting
Generator barrel close to the gun	No high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Aircaps and nozzle	Quick maintenance and stock reduction

SPECIFICATIONS

Maximum fluid pressure (bar)		6
Maximum air inlet pressure (bar)		6
Recommended atomization air pressure (bar)		4
Trigger air pressure (bar mini)		4
Weight	without hoses, cable (g)	1100 with BG barrel
Fluid output (l/mn) - adjustement upon nozzle		0.24
Fan width (cm)		30 (KP3 aircap)
Total Length (cm)		340
Recommended fluid viscosity		40s max.
Probe voltage		85 kV max
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Polyacetal, stainless steel, carbide

FITTINGS

Fitting	Air	Spraying (polyamide 6x8), pilot (polyamide 4x6)
	Fitting (resistivity > 5Mohms.cm)	M 1/2 JIC
	Fitting (resistivity < 5Mohms.cm)	F 1/2 JIC

KP3 AIRCAP

KAP CONVENTIONAL GUN

Description	Aircap	Nozzle Diameter	Fluid flow rate (l/mn)	Voltage cable length (m)	Part number
KAP with generator barrel	KP3	1.5	0.24	12	135.397.740
KAP with generator barrel	KP3	1.5	0.24	-	129.397.400

AIRCAPS

Description	Fan width (cm)	Part number
KP 3 aircap	30	132.286.000
KP 1 aircap	20	132.880.100

TIPS

Description	Nozzle Diameter	Part number
Nozzle	1.2	129.276.205
Nozzle	1.5	129.276.220

■ Aircaps, tips, needles fo KAP

TIPS, AIRCAPS AND NEEDLES FOR AUTOMATIC GUNS

Gun type	Aircap w/o ring			Tip			Needle automatic guns
	Type	Air flow-rate	Part number	Size (mm)	Fluid output	Part number	Part number
KAP	KP3	24 N m^3/h at 4 bar	132.286.000	Ø 1.2 (supplied with gun)	600 cm^3/mn at 4 bar	129.276.205	129.397.411
KAP	KP3	24 N m^3/h at 4 bar	132.286.000	Ø 1.5	800 cm^3/mn at 4 bar	129.276.220	129.397.411

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KAX SPRAY GUN

New generation of automatic electrostatic guns witha swirling fan for maximum wrap-around effect on complex parts. High quality adjustable flat fan.

Compliant with ATEX Directive:
INERIS 04 ATEX 0093X
II 2 G
EEx 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
New generator barrel with 3 positions indexing (-45°, 0, + 45°)	Guaranteed positioning on robot mounting
Generator barrel close to the gun	No high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Aircaps and nozzle	Quick maintenance and stock reduction

SPECIFICATIONS

Maximum fluid pressure (bar)		120
Trigger air pressure (bar mini)		4
Recommended atomization air pressure (bar)		6
Weight	without hoses, cable (g)	1100 with BG barrel
Fluid output (l/mn)		Upon tip
Fan width (cm)		Ajustable at the aircap
Total Length (cm)		340
Recommended fluid viscosity		40s CA4 max.
Probe voltage		85 kV max
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Polyacetal, stainless steel, carbide

FITTINGS

Fitting	Air	Spraying (polyamide 6x8), pilot (polyamide 4x6)
	Fitting (resistivity > 5Mohms.cm)	M 1/2 JIC
	Fitting (resistivity < 5Mohms.cm)	F 1/2 JIC

KX16 AIRCAP

KAX GUN

Description	Supplied with aircap	Tip	Voltage cable length (m)	Part number
KAX with generator barrel	KX16	To be ordered separately in the di-electric inser tip table	12	135.397.720
KAX without generator barrel	KX16	To be ordered separately in the di-electric inser tip table	-	129.397.200

■ Aircaps, tips, needles for KAX

AIRCAPS, TIPS, NEEDLE

Gun type	Aircap w/o ring			Tips	Needle for manual guns
	Type	Air flow-rate	Part number	Fluid flowrate	Part number
KAX 3	KX116 - fixed fan	5 Nm³/h at 2 bar	132.284.100	See AIRMIX® tips table	129.397.211
KAX 3	KX16 - adjustable fan	8 Nm³/h at 2 bar	132.284.000	See AIRMIX® tips table	129.397.211

AIRCAP RING

Description	Part number
Aircap ring for KMX/KAX	129.276.001

■ Special tips with dielectric insert

SPECIAL TIPS

Size[1]	Water output in l/mn			Ø equivalent (mm)	Screen mark			Average width of fan at 25 cm				
	20 bar	35 bar	50 bar		gun filter	pump filter		13 cm	19 cm	23 cm	27 cm	35 cm
06	0.15	0.20	0.30	0.28	4	4 or 6	number marked on the tip	06.075	06.095	06.115	06.135	-
09	0.20	0.30	0.45	0.33	6	6 or 8	number marked on the tip	09.075	09.095	09.115	09.135	-
12	0.26	0.36	0.55	0.38	6	6 or 8	number marked on the tip	-	12.095	12.115	12.135	-
14	0.30	0.40	0.70	0.41	6	8 or 12	number marked on the tip	-	14.095	-	-	14.175

(1) To determine the part number of a tip, use the number listed in the table and replace the crosses in the following part number: 134.5xx.xxx

KAC SPRAY GUN

New generation of automatic electrostatic guns.
Swirling fan for a maximum wrap-around effect on complex parts.

Conforme à la Directive ATEX:
INERIS 04 ATEX 0093X
II 2 G
EEX 0,24 mJ

To be used in zone 1

FEATURES	BENEFITS
Reduced number of components	Easy field repair
New generator barrel with 3 positions indexing (-45°, 0, + 45°)	Guaranteed positioning on robot mounting
Generator barrel close to the gun	No high voltage cable and user-friendly operation
Adjustable tension with integrated safety circuit	Adjustment of the electrostatic effect to the part to be painted and the fluid sprayed
Aircaps and nozzle	Quick maintenance and stock reduction

SPECIFICATIONS

Maximum fluid pressure (bar)		120
Trigger air pressure (bar mini)		4
Recommended atomization air pressure (bar)		6
Weight	without hoses, cable (g)	1100 with BG barrel
Fan width (cm)		Upon tip
Total Length (cm)		340
Recommended fluid viscosity		40s CA4 max.
Probe voltage		85 kV max
Maximum current		100 µA
Maximum temperature (°C)		60
Wetted parts		Polyacetal, stainless steel, carbide

FITTINGS

Fitting	Air	Spraying (polyamide 6x8), pilot (polyamide 4x6)
	Fitting (resistivity > 5Mohms.cm)	M 1/2 JIC
	Fitting (resistivity < 5Mohms.cm)	F 1/2 JIC

AIRCAP KXC5

KAC GUN

Description	Fluid output (l/mn)	Voltage cable length (m)	Part number
KAC with KXC5 aircap and generator barrel	Upon tip	12	135.397.750
KAC with KXC5 aircap without generator barrel	Upon tip	-	129.397.500

■ Aircaps, tips, needles for KAC

AIRCAPS, TIPS, NEEDLES FOR KAC

Gun type	Aircap type	air output	Part number	Tip size (mm)	Fluid output	Part number	Needle for KACv Part number
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K20	200 cm³/mn	134.873.020	129.397.211
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K30 (supplied with gun)	300 cm³/mn	134.873.030	129.397.211
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K40	400 cm³/mn	134.873.040	129.397.211
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K50	500 cm³/mn	134.873.050	129.397.211
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K60	600 cm³/mn	134.873.060	129.397.211
KAC	KX55	8 Nm³/h at 2 bar	132.400.100	K70	700 cm³/mn	134.873.070	129.397.211

■ STD9 A power supply for automatic guns

The STD 9 A compact power supply transforms main alternating current into a variable direct current adjustable between 3V and 12V. It has to be used with the KAP 3, KAV 3, KAX 3 and KAC 3.

It has a built-in electronic system to ensure the safe operation of the spray gun.

A switch in the power supply turns the voltage on when the gun is triggered and atomization air is flowing. According to the current standards, this control box is classified as IP54.

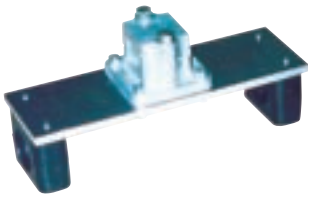
STD9 POWER SUPPLY	
Description	**Part number**
STD 9 A power supply - specific for automatic guns	148.200.450

■ Air control cabinet

Turn electrostatic gun into a non-bleeding gun
Controls air pressures
Equipped with 2 air regulators for atomization and fan air control
Pneumatic switches for gun trigger control.

AIR CONTROL CABINET	
Description	**Part number**
Air control cabinet	148.250.000

■ Generator barrel, special HT cable



All automatic electrostatic guns must be fitted on a generator bar connected to an STD 9 power supply.

GENERATOR BARREL		
Description	**Length (m)**	**Part number**
Generator barrel with 12m electrical cable - for mounting with automatic guns	12	129.397.600
Generator barrel with 6m electrical cable - for mounting with IsoBubble	6	129.397.650
HV cable for an automatic gun remote mounting	1.5	129.397.800
Mounting assembly for generator barrel for Reciprocator	-	060.522.080
Fixed gun support (Ø 16)	-	129.391.030

■ Conversion kits

Whatever the gun type is (KMP, KMV, KMX, KMC), it is possible to switch to another version (for example from KMC to KMX) by choosing the appropriate conversion kit.

Tip	Supplied with aircap	Kit designation	Part number
1.2	KP3	Conversion in KMP 3	129.286.300
Swirling fan	KMV	Conversion in KMV 3	129.287.300
09.135	KX 16	Conversion in KMX 3	129.284.300
K 30	KXC5	Conversion in KMC 3	129.283.300

■ AP1000 Resistivity gauge

Comes complete with probe

PART NUMBER	
Description	Part number
AP 1000 high precision resistivity gauge	910.005.790

■ Spray gun cover

Essential during spraying, the cover offers total protection for the spray gun

SPRAY GUN COVER		
Description	Quantity	Part number
Pack of covers	10	129.270.095

■ Hose protection sleeve

This sleeve protects the hoses and the cables, guaranteeing longer life and flexibility

PART NUMBER			
Description	Product hole (mm)	Length (m)	Part number
Hoses Sleeve	40	10	129.270.087

■ In-line paint filter

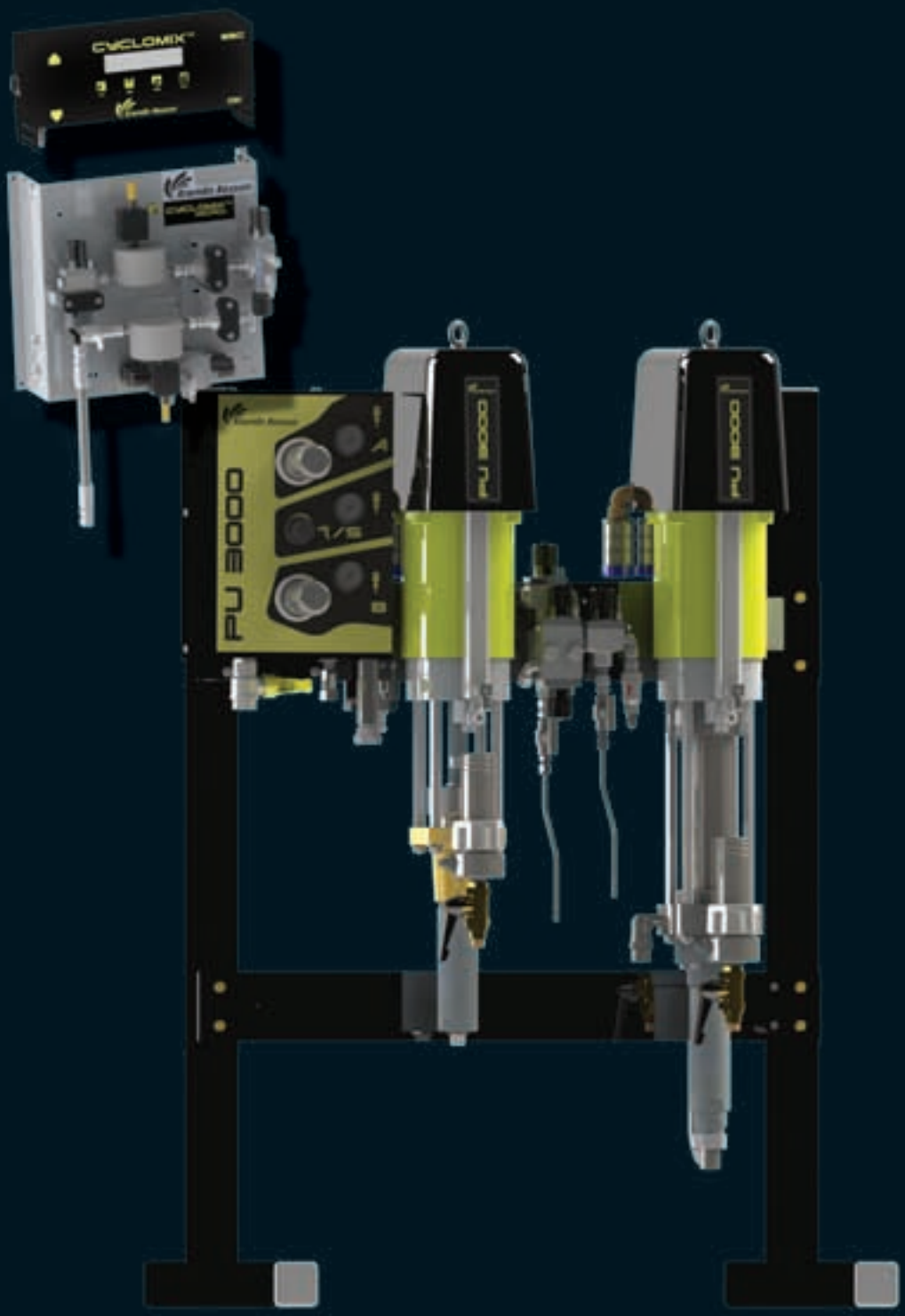
With its compact dimensions, it fits on base of the handle or between two hoses (for AIRMIX® version with hoses 1m + 10m)

FILTERS					
Description	Set-up	Maximum fluid pressure (bar)	Thread		Part number
			Inlet	Outlet	
Stainless steel filters supplied with 6 screen - 168µ	Between 2 hoses	200 bar	M1/2 JIC	M1/2 JIC	155.010.000
	At the gun fluid inlet		M1/2 JIC	F1/2 JIC	155.010.100

FILTER SCREEN					
Description	Filter number	Filtration size		Nozzle size	Part number
		Micron	Mesh		
Filter screen (pack of 5)	4	99	140	4	129.609.907
Screen number 12 (x5)	6	168	85	6	129.609.908
Screen number 12 (x5)	12	280	55	20	129.609.909

NOTES

PLURAL COMPONENT PUMPS AND MACHINES



PU 2125 F PUMP

The Flowmax® technology, a Kremlin Rexon patented SuperLife™ bellow design, ensures a perfect mixing accuracy thanks to the total sealing without packings.
Fixed ratio: the economical and easy solution while benefitting from the HTi, HPA and HTV spraying.

PU 2125 F are tested and comes complete ready for use.

PU 2125 F are available in 5 mixing ratio versions: 1/1, 2/1, 3/1,4/1 or 5/1.

FEATURES	BENEFITS
Sealing done by a FLOWMAX® bellow on the catalyst side	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Comes with mixer, mix manifold, air feeding assembly, suction rod for base and flushing solvent, 6 L catalyst gravity tank	Ready to use pump
Semi-automatic manifold with synoptic	Safe operation User-friendly
Catalyst re-circulation	Quick color change and flushing without catalyst loss
Stainless steel fluid sections (base and catalyst) - in standard	Chemical compatibility w/o any risk of corrosion with water-based materials
Cart-mounted pump	Easy positioning in the working area (various working areas)

SPECIFICATIONS

Mixing ratio (upon version)	1/1 - 2/1 - 3/1 - 4/1 - 5/1
Pressure ratio	0.9 à 1.6/1
Max Fluid viscosity in CA 4	180 s
Maximum air inlet pressure (bar)	6
Balanced acoustic pressure (dBA)	80
Weight (kg)	50
Wetted parts	Stainless steel, polyethylene, treated steel Catalyst fluid section: 304 stainless steel Bellow: PTFE

DOSING RATIO

Description	Volumic dosing ratio	Fluid Output at 20 Cycles/ mn (l/mn)	Pressure ratio	Fluid pressure (upon air motor pressure)	
				4 bar	6 bar
PU 2125 F 1/1	1/1	3.5	0.9/1	3.6	5.4
PU 2125 F 2/1	2/1	2.6	1.2/1	4.8	7.2
PU 2125 F 3/1	3/1	2.4	1.4/1	5.6	8.4
PU 2125 F 4/1	4/1	2.2	1.5/1	6	9
PU 2125 F 5/1	5/1	2.1	1.6/1	6.4	9.6

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Outlet	M 1/2" JIC

PU 2125F PART NUMBERS

Description	Part number
PU 2125F pump cart-mounted - Dosing ratio 1/1	151.586.100
PU 2125F pump cart-mounted - Dosing ratio 2/1	151.586.110
PU 2125F pump cart-mounted - Dosing ratio 3/1	151.586.120
PU 2125F pump cart-mounted - Dosing ratio 4/1	151.586.130
PU 2125F pump cart-mounted - Dosing ratio 5/1	151.586.140

PU 2160 F PUMP

The Flowmax® technology, a Kremlin Rexon patented SuperLife™ bellow design, ensures a perfect mixing accuracy thanks to the total sealing without packings.
Fixed ratio: the economical and easy solution while benefitting from the Airmix® spraying.

PU 2160 F are tested and comes complete ready for use.
PU 2160F are available in 4 mixing ratio versions: 1/1, 2/1, 5/1 or 10/1.

FEATURES	BENEFITS
Cart-mounted pump	Easy positioning in the working area (various working areas)
Comes with mixer, mix manifold, air feeding assembly, suction rod for base and flushing solvent, 6 L catalyst gravity tank	Ready to use pump
Stainless steel fluid sections (base and catalyst) - in standard	Chemical compatibility w/o any risk of corrosion with water-based materials
Sealing done by a FLOWMAX® bellow on the catalyst side	High reliability No more lubricant cups Leak free Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts Ideal for UV and pre-catalyzed materials
Semi-automatic manifold with synoptic	Safe operation User-friendly
Catalyst re-circulation	Quick color change and flushing without catalyst loss
Complete stainless steel 316 catalyst circuit on 10/1 pressure ratio version	Ideal for chemically agressive catalysts

SPECIFICATIONS

Mixing ratio (upon version)	1/1 - 2/1 - 5/1 - 10/1
Pressure ratio	10/1- 15/1 - 18/1 - 20/1
Max Fluid viscosity in CA 4	180 s
Maximum air inlet pressure (bar)	6
Balanced acoustic pressure (dBA)	80
Weight (kg)	60
Wetted parts	stainless steel, polyethylene, PTFE, nickel-coated steel Catalyst fluid section 1/1, 2/1 and 5/1: 304 stainless steel, 10/1: 316L stainless steel

DOSING RATIO

Description	Volumic dosing ratio	Fluid Output at 20 Cycles/mn (l/mn)	Pressure ratio	Fluid pressure (upon air motor pressure)	
				4 bar	6 bar
PU 2160 F 1/1	1/1	0.8	10/1	40	60
PU 2160 F 2/1	2/1	0.6	15/1	60	90
PU 2160 F 5/1	5/1	0.5	18/1	72	108
PU 2160 F 10/1	10/1	0.44	20/1	80	120

FITTINGS

Fitting	Air inlet (valve)	F 3/8" BSP
	Air outlet (atomization air)	M 1/4" NPS
	Fluid Outlet	M 1/2" JIC

PU 2160F PART NUMBERS

Description	Part number
PU 2160 F pump - cart-mounted - pressure ratio 1/1	151.586.690
PU 2160 F pump - cart-mounted - pressure ratio 2/1	151.586.695
PU 2160 F pump - cart-mounted - pressure ratio 5/1	151.586.710
PU 2160 F pump - cart-mounted - pressure ratio 10/1	151.586.700

PU 3000

The PU 3000, innovative economical and patented solution, combines electronic control and mechanical metering, ready to use.
The user-friendly control box allows the operator to intuitively learn how to operate the machine.

PATENTED : The innovative pump change-over - FREE PULSE ELECTRONIC technology (FPE) - features a perfectly constant output and a +/- 1% metering accuracy for an outstanding finish and operator peace of mind.
Electronic dosing constantly monitors the actual material consumption of products and calculates the VOC.

The machine can be installed in an ATEX 1 or 2 zone to be in close proximity to the operator.
PU 3000 is available in HTi / HPA / HTV, AIRMIX® and AIRLESS versions to meet most markets requirements.

FEATURES	BENEFITS
Plug & Spray	Quick start-up
KREMLIN REXSON patent: Free Pulse Electronic Control (FPE) Innovative control system of pump change-over	Constant fluid flowrate Unsurpassed +/- 1% mixing accuracy and +/- 1% repeatability
Direct injection in the high performance static mixer	Perfect mixing
Recording of fluid consumptions and VOC Possibility to print records	Fluid and solvent consumptions stored in memory
Automatic component management: base, catalyst and solvent Automatic flushing and material generation User-friendly control panel	User friendly User-friendly and easy programming for the operator
Preventive maintenance alarm Continuous ratio checking and alarm Low level drum alarm	Safe operation
Ratio check kit in standart with 2 liters test tube Filter and drain assembly in standart	Visual control of mixing accuracy No product loss
Sealing done by a FLOWMAX® bellow on the catalyst side	High reliability Total sealing between pump and its environment, ideal to work with moisture-sensitive catalysts
Wide range of ratio from 5 to 160% Suitable for HTi / HPA / HTV, AIRMIX®, AIRLESS spraying technologies Very low flow rate from 10cc	Suitable for use on a wide range of markets

SPECIFICATIONS	
Electrical Power	115/230V - 75W
Maximum air inlet pressure (bar)	6
Fluid viscosity	30 - 8000 cps (20.000cps AIRLESS)
Mixing accuracy	+/- 1%
Mixed fluid output	10cc at 2000 cc / min
Mixing ratio	1/1 - 30/1
Wetted parts	Stainless Steel and PEHD

PU 3000

TECHNICAL CHARACTERISTICS

Description	Pressure ratio	Maximum fluid pressure (bar)
PU 3000 - HTi, HPA, HTV versions	1/1 . 7/1	0/6 - 0/40
PU 3000 - AIRMIX® version	30 / 1	200
PU 3000 - AIRLESS version	53 / 1	350

PU 3000 DIMENSIONS

Description	Height (cm)	Depth (cm)	Width (cm)
HTi, HPA, HTV versions	130	69	86
AIRMIX® version	130	69	86
AIRLESS version	145	69	96
Control Box	28.6	14.3	36.7

FITTING

Fitting	Air inlet (valve)	F 3/4" BSP
	Air Outlet	F 1/4" BSP
	Fluid Outlet	F 3/4 JIC

PU 3000 PART NUMBERS

Description	Part number
PU 3000 - HTi, HPA and HTV versions	155.680.140
PU 3000 - AIRMIX® version	155.680.110
PU 3000 - AIRLESS version	155.680.102

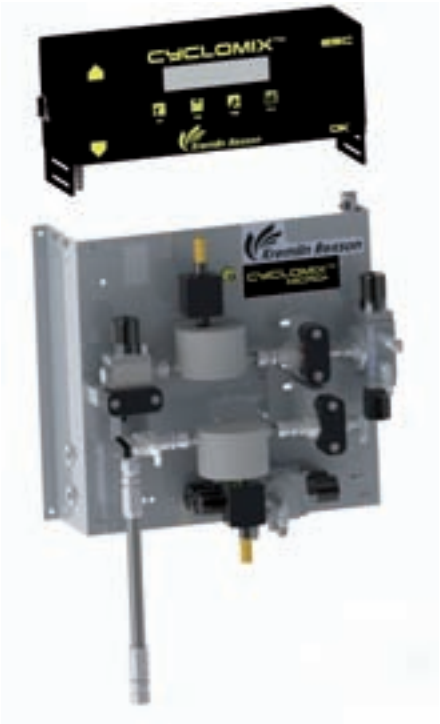
PU 3000 OPTIONS PART NUMBERS

Description	Part number
Spray booth glass mounting kit	155.660.340
Flushing pump	Please consult us

CYCLOMIX™ MICRO AND MICRO+ PH

User-friendly precise and control mixing of 2 components materials.
With CYCLOMIX™ Micro, the mixing process is mastered and guaranteed. All technical fluid and application characteristics are fully configurable. Once programmed, CYCLOMIX™ Micro will automatically handle all parameters.
The programming is user-friendly and quick, with data in-putting by magnetic signal. Flushing and maintenance are very simple. In addition, the system can be controlled from inside the booth.
CYCLOMIX™ Micro+ allows the flushing of the catalyst fluid passages especially for water-based materials.
For acid catalyst it exists specific references for a CYCLOMIX™ Micro+ PH.
Safe zone installation where applicable (Directive ATEX).

FEATURES	BENEFITS
Automatic component management: base, catalyst and solvent	Dosing +/- 1% and repeatability +/- 0.5%
Automatic flushing and material generation	Quick start-up. Minimal material and solvent wastage.
Adjustable flushing volume Several flushing sequence available: only Base side; Base side then Catalyst; Catalyst side then Base side	Solvent savings and environmental protection
Operating pressure from 2 to 200 bar	Allows to choose HTi, HPA, AIRMIX® spray technologies
Continuous ratio checking and alarm	The paint applied on parts always conforms to specifications
User-friendly control panel	User-friendly and easy programming for the operator
Stainless steel design	To handle a wide range of materials
Recording of fluid consumptions and VOC with the possibility to print records (with RS 232 option)	Fluid and solvent consumptions stored in memory
Possibility to monitor the Cyclomix™ Micro from the spray booth (with the glass kit option)	Ergonomy of the working station
Design of the mixing plate	Easy maintenance and spare parts standardization



SPECIFICATIONS

Electrical Power	115 / 230V - 75W
Trigger air pressure (bar mini)	4
Product pressure (bar)	2 -200
Weight (kg)	25
Wetted parts	Stainless steel and PEHD 316L stainless steel on PH version catalyst side
Mixing ratio	single component and 0,6/1 to 20/1
Mixing accuracy	1%
Mixed fluid output	100 - 2000 cm^3/mn
Fluid viscosity	30 - 5000 cps
height (cm)	17.3 (command cabinet) - 40 (dosing unit)
Width (cm)	36.6 (command cabinet) - 40.7 (dosing unit)
Depth (cm)	11.1 (command cabinet) - 30 (dosing unit)

FITTINGS

Description	Fitting
Electrical supply: bornier and stuffing box	
Air supply	F 1/4" BSP
Air outlet	F 1/4" BSP
Fluid supply	M 1/2" JIC
Fluid outlet	M 1/2" JIC

CYCLOMIX™ MICRO AND MICRO+ PART NUMBERS

Description	Catalyst fluid passage flushing	Number of bases	Number of catalysts	Part number
CYCLOMIX™ Micro	-	1	1	155.660.900
CYCLOMIX™ Micro	-	3	1	155.660.930
CYCLOMIX™ Micro+	●	1	1	155.660.911
CYCLOMIX™ Micro+	●	3	1	155.660.933
CYCLOMIX™ Micro+ PH (without mixer - see options)	●	1	1	155.660.951
CYCLOMIX™ Micro+ PH	●	3	1	155.660.953

PART NUMBERS OPTIONS CYCLOMIX™ MICRO AND MICRO+

Description	Part number
Mixing assembly for Cyclomix® Micro+ PH	155.660.955
RS 232 connection kit for printer	155.660.935
Spray booth glass mounting kit	155.660.340
7m extension cable between control cabinet and mixing panel	901.250.216

CYCLOMIX™ MULTI AND MULTI PH

CYCLOMIX™ electronic dosing to handle several colors: CYCLOMIX™ Multi can handle up to 7 different bases and 3 catalysts.
Modular design CYCLOMIX™ Multi can be positionned in zone 1 or 2 (Directive ATEX).
Programming and use are user-friendly by means of a large touch screen.
For acid catalyst it exists specific references for a CYCLOMIX™ Multi PH.

FEATURES	BENEFITS
Automatic component management: base, catalyst and solvent	Dosing +/- 1% and repeatability +/- 0.5%
Automatic mix material fill	Quick start-up. Minimal material and solvent wastage.
Adaptable programming for each color	Ideal application for each color
Several flushing modes: production cycle, extended production stops, solvent-based materials	Perfect compatibility with production conditions evolutions
Fast mixing ratio accuracy by beakers	Visual control of mixing accuracy
batch mode	To easily get small quantities of mixed materials for touch-up works
Operating pressure from 2 to 200 bar	Large choice of spraying technologies: HPA, HTi, AIRMIX® or AIRLESS
Autowash system	Off-production gun automatic monitoring
Multilingual display and integrated instruction manual	User-friendly and easy programming for the operator
Stainless steel design	Compatible with water-based materials
Numerical interface	Quick link with an on-line automate
Integrated spraying air management	Comfort and safety during color and solvent fill
Pneumatic emergency flushing	Perfect flushing in case of power supply cut-off
Design of the mixing plate	Easy maintenance and spare parts standardization
Robotic interface	Connection with an on-line automate

SPECIFICATIONS

Electrical Power	115 / 230 V - 75 W
Trigger air pressure (bar mini)	4
Product pressure (bar)	2 - 200 bar
Weight (kg)	70
Wetted parts	Stainless steel and PeHD
Mixing ratio	0.6/1 à 30/1 (160% à 5%)
Mixing accuracy	+/- 1%
Solvent flowrate (m^3/h)	100 - 2000 cm^3/mn
Mixed fluid output	100 - 2000 cm^3/mn
Fluid viscosity	30 - 5000 cps
height (cm)	60 (control cabinet) - 77 (mixing unit)
Width (cm)	60 (control cabinet) - 60 (mixing unit)
Depth (cm)	40 (control cabinet) - 77 (mixing unit)

FITTINGS

Description	Fitting
Air supply	F 1/4" BSP
Air outlet	F 1/4" BSP
Fluid supply	M 1/2" JIC
Fluid outlet	F 1/4" BSP

CYCLOMIX™ MULTI PART NUMBERS

Description	Number of bases	Number of catalysts	Part number
CYCLOMIX™ Multi	3	1	155.660.813
CYCLOMIX™ Multi	5	1	155.660.815
CYCLOMIX™ Multi	7	1	155.660.817
CYCLOMIX™ Multi	3	2	155.660.823
CYCLOMIX™ Multi	5	2	155.660.825
CYCLOMIX™ Multi	3	3	155.660.833
CYCLOMIX™ Multi PH	3	1	155.660.513
CYCLOMIX™ Multi PH	5	1	155.660.515
CYCLOMIX™ Multi PH	7	1	155.660.517

OPTION PART NUMBER CYCLOMIX™ MULTI

Description	Part number
Autowash	155.660.300

CYCLOMIX™ EXPERT

Cyclomix™ EXPERT, industrial and evolutive solution, innovative, guarantees total quality of production .

CYCLOMIX™ Expert can manage a total up to 24 components (bases, catalysts, flushing solvents). It can handle mono, bi or tri-component materials

The innovative dosing process - ultra fast injection valve - offers uneaqualled mixing quality and dosing accuracy. The machine can handle 2 working stations at the same time . The machine programming by means of a color screen with ratio/tolerance data assist management - up to 15 languages - has been designed to bring comfort and easiness in the case of product or parameters modifications. The electronic technology brings total monitoring and follow-up of real material consumptions, VOC with recording possibilitiy to ensure tracability.

CYCLOMIX™ Expert can be fitted with different flowmeters technologies (ex: mass flowmeter for difficult paint to handle or water-based materials). The possibility to use Flowmax® technology - developed by KREMLIN REXSON - bellows instead of traditional packings on the catalyst side brings total reliability for moisture-sensitive isocyanates catalysts.

CYCLOMIX™ Expert is available in Airspray (HTI/HPA/HTV), AIRMIX® and AIRLESS versions (up to 200 bars) to meet all market needs, in manual or automatic spraying.

The fluid manifold can be set-up in the spraying area in order to reduce the paint hoses length.
Safe zone location (ATEX Directive) for the control cabinet.

Options are available to upgrade the machine depending on each customer configuration.
- Remote color screen control cabinet
Accessible directly from the working station (spray booth), it allows the operator to manage production, color changes, flushing...
- Automatic Flush box
Located in the spraying area closed to the painter, it enables the painter to be hands free while system is flushing.

FEATURES	BENEFITS
Automatic component management up to 24 components in 1,2, 3 components and solvent	Innumerible possibilities Flexibility when changing materials
Real time display of instant real ratio and flowrate	Continuous process control
No pre-mixing chamber: optimized fluid passages w/o retention zones	Perfect flushing Prevent fluid waste
Stainless steel design	Compatible with water-based materials
Frequency configuration before flushing at the end of potlife	Mixed material and solvent savings Safe operation
Emergency pneumatic manual flushing	Perfect flushing in case of power supply cut-off
batch mode	To easily get small quantities of mixed materials for touch-up works
Adaptable programming for each color	Ideal application for each color
3 data access level upon each operator	Safety use
Assisted data and tolerance product manufacturer specification entry	Quick and easy data entry eliminating any errors
Color man/machine interface	User friendly
Standard monitoring of 2 guns (2 priming - 2 flushing)	Possibility to manage 2 workstations simultaneously (1 or 2 guns or both)
Ratio check	Safe operation Full operator safety
6 different flushing sequences (air-solvent es standard) Volume or time flushing Multiples solvent choice for each recipe	Solvent consumption optimlization upon recipe Optimized flushing
Magnetic injection volume adjustment - electro magnetic valves	Mixing optimization upon ratios Increase of injection frequency
USB data storage Batch number management	Production Follow-up optimization
Various Product mesurement technology: mass or gear	Handles a large range of materials

CYCLOMIX™ EXPERT

SPECIFICATIONS	
Voltage (V)	115 - 230
Number of fluid inlets	24
Trigger air pressure (bar mini)	4
Operating pressure (bar)	5 - 200
Mixing ratio (in standard)	0.6/1 at 30/1
Mixing accuracy	+/- 1 %
Mixed fluid output	50 - 6000 cm^3/mn
Fluid viscosity	30 - 5000 cps
Wetted parts	Stainless steel and PeHD (option 316L)
Width (cm)	100 (3K) - 89 (2K)
Height (cm)	119 (3K) - 91 (2K)
Weight (kg)	48 (2K) - 68 (3K)

CONTROL BOX CHARACTERISTICS	
Width (cm)	60
Height (cm)	60
Depth (cm)	40
Weight (kg)	25

CYCLOMIX™ EXPERT PART NUMBER	
Description	**Part number**
CYCLOMIX™ Expert	Please consult us

NOTES

FITTINGS AND AIR TREATMENT

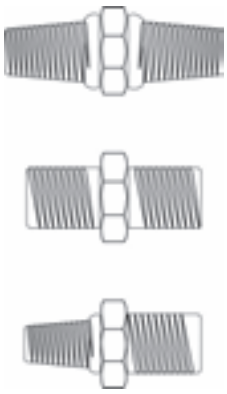
■ Male to male connection Pmax: 20 bar

Max Pressure (20 bar)

METRICAL FITTINGS - 20 BAR		
Male/Male	**M 14 x 125**	**M 18 x 125**
M 14 x 125		050.102.133 050.102.142(1)
M 18 x 125	050.102.133 050.102.142(1)	050.102.102

METRICAL ADAPTORS TOWARDS BSP - 20 BAR				
Male/Male	**M 14 x 125**	**M 18 x 125**	**M 26 x 125**	**M 38 x 150**
G 1/8" (BSP) (5 x 10)	050.102.412			
G 1/4" (BSP) (8 x 13)	050.102.405 050.102.441(1)	050.102.408 050.102.444(1)		
G 3/8" (BSP) (12 x 17)	050.102.410	050.102.411 050.102.436(1)		
G 1/2" (BSP) (15 x 21)	050.102.513	050.102.406 050.102.418(1)	050.102.402 050.102.437(1)	
G 3/4" (BSP) (20 x 27)		050.102.429	050.102.407	
G 1" (BSP) (26 x 34)				050.102.433

METRICAL ADAPTORS TOWARDS NPT - 20 BAR	
Male/Male	**M 26 x 125**
1/2" NPT	050.102.507



■ Male to male connection Pmax: 60 bar

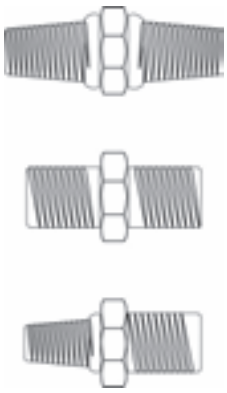
FITTINGS BSP (GAZ) - 60 BAR					
Male/Male	**G 1/8" (5 × 10)**	**G 1/4" (8 × 13)**	**G 3/8" (12 × 17)**	**G 1/2" (15 × 21)**	**G 3/4" (20 × 27)**
G 1/8" (5x10)		906.314. 207(1)			
G 1/4" (8 × 13)	906.314.207(1)	050.102.213 906.314.203(1)	904.523.003 906.314.204(1)	050.102.211	
G 3/8" (12 × 17)		904.523.003 906.314.204(1)	050.102.214 906.314.202(1)	904.523.006 906.314.205(1)	
G 1/2" (15 × 21)		050.102.211	904.523.006 906.314.205(1)	050.102.212	904.523.012
G 3/4" (20 × 27)				904.523.012	050.102.215

FITTINGS NPT - 60 BAR		
Male/Male	**1/4" NPT**	**3/8" NPT**
1/4" NPT		905.083.201
3/8" NPT	905.083.201	

FITTINGS NPS - 60 BAR		
Male/Male	**1/4" NPS**	**3/8" NPS**
1/4" NPS	050.102.630	050.102.632
3/8" NPS	050.102.632	050.102.631 050.102.652(1)

ADAPTOR NPS TOWARDS BSP (GAZ) - 60 BAR		
Male/Male	**1/4" NPS**	**3/8" NPS**
G 1/4" BSP	050.102.624 050.102.644(1)	050.102.646(1)
G 3/8" BSP	050.102.627 050.102.647(1)	050.102.628 050.102.648(1)
G 1/2" BSP	050.102.633	050.102.629 050.102.649(1)
G 3/4" BSP		050.102.654(1)

(1) Stainless steel fittings



■ Female to female connection Pmax: 60 bar

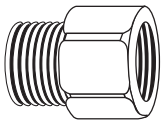
FITTINGS BSP (GAS) - 60 BAR	
Female/Female	**G 1/4" (BSP)**
G 1/4" (BSP) (8 x 13)	904.593.002
G 3/8" (BSP) (12 x 17)	904.503.003

ADAPTOR BSP (GAZ) TOWARDS METRIC - 20 BAR	
Female/Female	**G 1/4" (BSP)**
M 14 x 125	050.221.401

T FEMALE BSP (GAZ) - 60 BAR	
Description	**Part number**
Fittings 3 × G 1/4" (BSP) (8 × 13)	904.303.002
Fittings 3 × G 3/8" (BSP) (12 × 17)	904.303.003
Fittings 3 × G 1/2" (BSP) (15 × 21)	904.303.004
Fittings 3 × G 3/4" (BSP) (20 × 27)	904.303.006

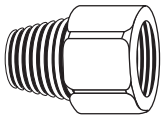
T FEMALE NPT - 60 BAR	
Description	**Part number**
Fittings 3 × 1/4" NPT	905.083.301

■ Male to female connection Pmax: 20 - 60 bar



ADAPTOR NPS TOWARDS JIC, NPS AND METRIC - 20 BAR		
Female/Male	**1/4" NPS**	**3/8" NPS**
1/2" JIC	050.123.305(1)	050.103.537(1)
1/4" NPS	-	050.103.534(1)
M 14 × 125	-	050.123.523(1)

(1) Stainless steel fittings



FITTINGS BSP (GAZ) - 60 BAR			
Female/Male	**G 1/4" (8 × 13)**	**G 3/8" (12 × 17)**	**G 3/4" (20 ×27)**
G 1/4" (8 × 13)	050.123.205	904.533.003	-
G 3/8" (12 × 17)	904.513.003	-	-
G 1/2" (15 × 21)	904.513.005	-	904.533.009
G 3/4" (20 × 27)	904.513.011	904.513.012	-
G 1" (26 × 34)	-	-	904.513.020

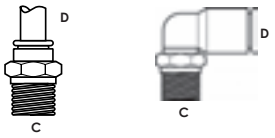
FITTINGS METRIC - 20 BAR			
Female/Male	**M 14 × 125**	**M 18 × 125**	**M 26 × 125**
M 14 × 125	-	050.123.109	-
M 18 × 125	050.123.101	-	050.123.110
M 26 × 125	-	050.123.106	-

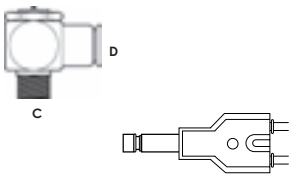
ADAPTOR METRIC TOWARDS NPS - 20 BAR		
Female/Male	**M 14 × 125**	**M 18 × 125**
1/4" NPS	050.123.535	050.123.526
3/8" NPS	-	050.123.532

ADAPTOR JIC TOWARDS METRIC - 20 BAR		
Female/Male	**M 14 × 125**	**M 18 × 125**
1/2" JIC	050.230.619	050.230.620

ADAPTOR JIC TOWARDS NPS AND METRIC - 20 BAR	
Female/Male	**1/2" JIC**
1/4" NPS	050.123.304
3/8" NPS	050.123.533
M 18 x 125	050.123.521

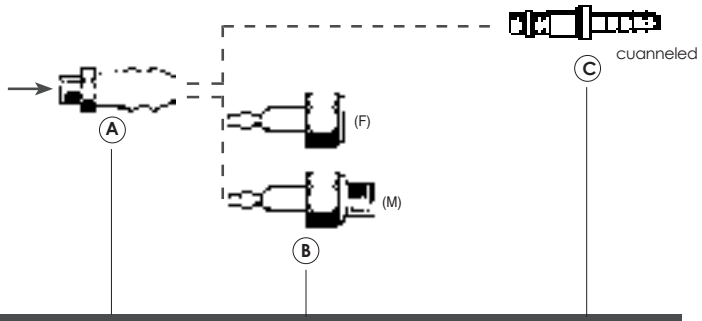
■ Quick fittings for small diameter special air hoses





CONFIGURATION FITTINGS				
C	D	Straight	Right angle 90°	T- piece
G 1/8" (5 x 10) BSP	4	905.120.907	905.120.926	-
G 1/8" (5 x 10) BSP	8	-	905.120.934	-
G 1/4" (8 x 13) BSP	4		905.120.927	-
G 1/4" (8 x 13) BSP	6	905.120.965	905.120.905	-
G 1/4" (8 x 13) BSP	8	905.120.904	905.120.912	905.120.920
6 x 8 hose T	T for hose 4 x 6	2,7 x 4 Hose T- piece		4 x 6/2,7 x 4 Reduction T- piece
905.120.915	905.120.903	905.120.957		905.120.928

■ ISO 6150 Quick-fit fittings (maximum pressure: 10 bar)



QUICK FITTINGS					
Type	Complete assembly A and B	Part A with built-in chutter valve	Part B	Part C for rubber hose	
				Ø 7	Ø 10
Ø5 (14x125)	905.030.405	905.030.102	905.030.406 (F)	905.030.203	905.030.204
Ø5 (1/4" BSP)	-	-	905.030.804 (M)	-	-
Ø5 (1/4" BSP)	-	-	905.030.803 (F)	-	-
Ø5 (1/4" NPS)	905.030.105	905.030.104	905.030.106 (F)		
Holding collar	-	-	-	906.311.224	906.311.226

COMPLETE QUICK DISCONNECT 1/4" NPS FOR AIR HOSE	
Description	Part number
Air inlet quick-disconnect fitting	905.030.105

QUICK FITTINGS FOR Ø 8 HOSE		
Type	Part A with on/off press buttom for hose Ø 8	Part C for hose Ø 8
Ø 5	905.030.801	905.030.802

■ Fittings for low pressure polyamide hoses

FITTINGS CONFIGURATION			
Thread size	Material	Hoses Inter. Diameter (mm)	Part number
M 3/8" NPS	Nickel plated brass	6.35 - 1/4	050.231.350
M 1/4" NPS	Nickel plated brass	6.35 - 1/4	050.231.450
M 3/8" NPS	Nickel plated brass	9.52 - 3/8	905.140.103

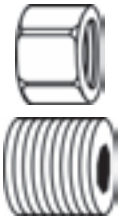
■ Crimp fittings for low pressure air and fluid rubber hoses

FITTINGS CONFIGURATION				
Material	**Thread size**	**Hoses Inter. Diameter (mm)**	**Part number**	**Collar**
Straight fittings				
Nickel plated brass	1/4" NPS	7	050.231.705	906.311.224
Nickel plated brass	1/4" NPS	8	050.231.707	906.311.224
Nickel plated brass	1/4" NPS	10	050.231.702	906.311.226
Nickel plated brass	3/8" NPS	7	050.231.716	906.311.224
Nickel plated brass	3/8" NPS	10	050.231.706	906.311.226
Nickel plated brass	3/8" NPS	16	050.231.701	906.311.232
Stainless steel	M 14 x 125	5	050.230.610	906.311.208
Nickel plated brass	M 14 x 125	10	050.230.602	906.311.226
Nickel plated brass	M 18 x 125	7	050.230.616	906.311.224
Stainless steel	M 18 x 125	10	050.230.614	906.311.226
Nickel plated brass	M 18 x 125	10	050.230.606	906.311.226
Nickel plated brass	M 18 x 125	16	050.230.601	906.311.232
Nickel plated brass	M 26 x 125	16	050.230.603	906.311.232
Elbow fittings				
Nickel plated brass	M 18 x 125	10	050.250.202	906.311.226
Junction fittings without thread				
Nickel plated brass	-	7	050.190.403	906.311.224
Nickel plated brass	-	10	050.190.401	906.311.226




■ Plugs Pmax: 20 - 60 bar

PLUGS CONFIGURATION	
Description	**Part number**
Male	Male
G 1/8 " (5 x 10)	906.333.106
G 1/4" (8 x 13)	906.333.102
G 3/8" (12 x 17)	906.333.104
G 1/2" (15 x 21)	906.333.103
G 3/4" (20 x 27)	906.333.105



■ Male to male fittings (protective coated steel) Pmax: 400 bar

FITTINGS CONFIGURATION			
Male/Male	**1/2" JIC**	**3/4" JIC**	**7/8" JIC**
1/2" JIC	050.102.301	905.160.201	550.914
3/4" JIC	905.160.201	905.160.202 - - 550.545	550.915
7/8" JIC	550.914	550.915	-

■ Male to female fittings (stainless steel) Pmax: 360 bar

FITTINGS CONFIGURATION	
Male/Male	**1/2" JIC**
3/4" JIC	050.123.301

■ Male to male adapters: Pmax: 360 bar

PROTECTED STEEL FITTINGS CONFIGURATION		
Male/Male	**1/2" JIC**	**3/4" JIC**
1/4" NPT	000.972.025	905.160.212
3/8" NPT	000.972.028	905.160.206
1/2" NPT	-	905.160.204
3/4" NPT	-	905.160.203

STAINLESS STEEL FITTINGS CONFIGURATION		
Male/Male	**1/2" JIC**	**3/4" JIC**
1/8" NPT	905.210.501	-
1/4" NPT	905.210.502	905.210.512
3/8" NPT	905.210.503	905.210.513
1/2" NPT	905.210.504	905.210.514
3/4" NPT	-	905.210.515

PROTECTED STEEL FITTING CONFIGURATION						
Male/Male	**1/2" JIC**	**3/4" JIC**	**7/16" JIC**	**7/8" JIC**	**11/16" JIC**	**15/16" JIC**
1/8" G co	550.548	-	550.920	-	-	-
1/4" G co	550.542	-	-	-	-	-
3/8" G co	550.549	550.679	-	550.609	-	-
1/2" G co	-	550.544	-	550.540	550.903	-
3/4" G co	550.905	-	-	550.823	550.864	550.932
1" G co	-	-	-	-	550.900	550.901

NICKEL-COATED FITTINGS CONFIGURATION		
Male/Male	**1/2" JIC**	3/4" JIC
3/8" NPT	050.470.202	905.160.103

■ Male to female elbow fittings Pmax: 360 bar

FITTINGS CONFIGURATION	
Male/Female (free nut)	**1/2" JIC**
1/2" JIC	905.160.101

■ Male to male elbow fittings (stainless steel) Pmax: 360 bar

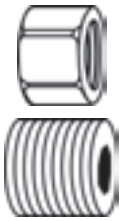
FITTINGS CONFIGURATION		
Male/Male	**1/2" JIC**	**3/4" JIC**
1/4" NPT	905.210.602	905.210.612
3/8" NPT	905.210.603	905.210.613
1/2" NPT	905.210.604	-
3/4" NPT	-	905.210.615

■ Male to male elbow fittings (protective coated steel) Pmax: 360 bar

NPT FITTINGS CONFIGURATION		
Male/Male	**1/2" JIC**	**3/4" JIC**
1/8" NPT	905.160.105	-
1/4" NPT	000.972.176	905.160.102

G CO FITTING CONFIGURATION		
Male/Male	**1/2" JIC**	**3/4" JIC**
1/8" G co	905.160.106	-
1/4" G co	550.596	550.923
3/8" G co	551.819	-

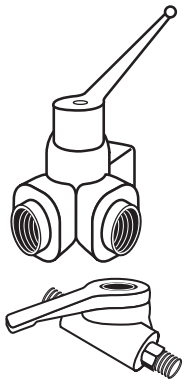
■ Plugs Pmax: 360 bar



PLUGS CONFIGURATION	
Description	**Part number**
Female	
1/2" JIC	906.333.301
Male	
1/8" NPT	906.333.108

■ Low pressure valves

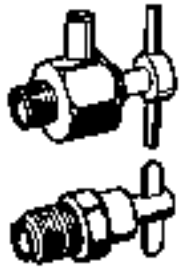
3 WAYS VALVE PART NUMBERS	
Description	**Part number**
3 x 1/4" BSP	903.090.804
3 x 1/4" BSP (stainless steel)	903.090.805



2 WAYS MALE/MALE VALVE PART NUMBERS			
Description	**Input**	**Output**	**Part number**
Ball valve	(M) G 1/4" (8 x 13)	(M) M 14 x 125	050.070.205
Inlet (male) G 3/8" (12 x 17) outlet (male) M 14 x 125	(M) G 3/8" (12 x 17)	(M) M 1/4" NPS	050.070.211
Inlet (male) G 1/2" (15 x 21) outlet (male) M 18 x 125	(M) G 1/2" (15 x 21)	(M) M 18 x 125	050.070.204
Inlet (male) G 1/2" (15 x 21) outlet (male) G 1/2 (15 x 21)	(M) G 1/2" (15 x 21)	(M) G 1/2" (15 x 21)	050.070.201
Inlet (male) G 3/8" (12 x 17) outlet (male) M 18 x 125	(M) G 3/8" (12 x 17)	(M) M 18 x 125	050.070.212

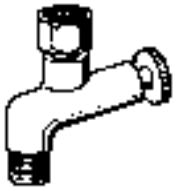
2 WAYS FEMALE/FEMALE VALVE PART NUMBERS			
Description	**Input**	**Output**	**Part number**
Valve	(F) 1/4" BSP (8 x 13)	(F) 1/4" BSP (8 x 13)	903.090.806
Valve	(F) 3/8" BSP (12 x 17)	(F) 3/8" BSP (12 x 17)	903.090.206

■ Air bleeding valves



AIR BLEDDING VALVE PART NUMBER	
Description	**Part number**
Inlet thread (male) G 1/4" (8 x 13)	903.093.302

■ Needle valves



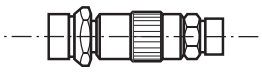
2 WAYS VALVE PART NUMBERS			
Description	**Input**	**Output**	**Part number**
Female/Male	M 14 x 125	M 14 x 125	050.070.179
Male/Male	G 1/4" (8 x 13)	M 14 x 125	050.070.101

3 WAYS VALVE PART NUMBERS	
Description	**Part number**
Female/male/male M 14 x 125	050.070.401

■ AIRLESS fluid valves

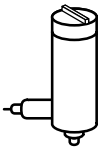
PART NUMBER				
Description	**Input**	**Output**	**Maximum fluid pressure (bar)**	**Part number**
Female/Female	G 3/8" (12 x 17)	G 3/8" (12 x 17)	250 bar	000.750.040

■ Air line output control valves



VALVE PART NUMBERS			
Description	**Input**	**Output**	**Part number**
Female/Male	G 1/4" (8 x 13)	G 1/8" (8 x 13)	050.070.190
Female/Male	M 14 x 125	M 14 x 125	050.070.179

■ Bleeding valves



BLEEDING VALVES PART NUMBERS				
Description	**Input**	**Output**	**Maximum fluid pressure (bar)**	**Part number**
Male/Male	G 1/4" (8 x 13)	M 18 x 125	400	000.760.000

■ Fittings - General information

DETAILS			
Denomination	**Fitting characteristics**	**Geographical area**	**Max. operating pressure (bar)**
M	cylindrical metric	France	20
G = BSP	conical gas (or cylindrical)	Europe - Asia	60
NPT	conical	USA - Asia	60
NPS	cylindrical	USA - Asia	60
JIC	cylindrical angle 74°	Universal	360

■ Regulators

1/4" (with grey or red knob) , 1/2" and 3/4" (with red ring) regulators are used on the compressed air lines.

CHARACTERISTICS			
Regulator	1/4"	1/2"	3/4"
Max. inlet pressure (bar)	9	20	21
Max. output (m^3/h)	25	210	360

CONFIGURATION			
Description	**Pressure (bar)**	**Type**	**Part number**
Red knob regulator	3,5	1/4''	016.240.000
Grey knob regulator	3,5	1/4''	016.380.000
2 regulators 1/4" with isolating valves 2 manometers, 1 inlet valve - 1 outlet valve M 1/4" NPS	3,5 & 9	1/4''	019.400.000
Grey knob regulator	5,5	1/4''	016.390.000
Red knob regulator	5,5	1/4''	016.370.000
Regulator with pressure gauge inlet fitting 1/4" - outlet fitting M1/4" NPS	5,5	1/4''	019.720.000
Grey knob regulator	9	1/4''	016.360.000
Bare regulator	4	1/2"	016.200.000
Bare regulator	9	1/2"	016.280.000
Equipped regulator with pressure gauge and wall bracket	10	1/2"	019.780.100
2 regulators (1/4" + 1/2") with isolating valves 2 manometers, 1 inlet valve - 2 outlet valves M 1/4" NPS	9	1/4''	019.390.000
Red ring regulator	10	1/2''	016.470.000
Red ring regulator	10	3/4''	016.480.000

■ DE 37 Purifier-regulator with filter cartridges

Usually fitted in the paint spray booths. Its twin-body construction ensures completely water and oil free.

Technical characteristics:
- Maximum operating air output: 37 m^3/h
- Maximum operating air pressure: 10 bar
- Height: 290 mm
- Air inlet opening: F1/4"G

Standard equipment:
- One regulated pressure gauge
- One F1/4"G
- One tap valve F1/4"G
- Two air outlet taps: M 1/4" NPS

SPECIFICATIONS		
Air output (m3/h)		37
Maximum fluid pressure (bar)		10
Height (cm)		29
Fitting	Air Inlet	F8 x 13G
Set-up		1 regulated pressure gauge 1 valve F 1/4" G 1 ball valve F 1/4" G 2 air outlet taps M 1/4" NPS

PART NUMBERS	
Description	**Part number**
Purifier with DE 37 regulator	015.240.000
Blue cartridge for water	015.230.500
Red cartridge for oil	015.230.200

■ Regulators, filters and lubricators

Regulators with pressure gauges, filters and lubricators with polycarbon reservoirs are all modular, allowing you to put together the best air treatment equipment for your needs.

- Filter with trunnion deflector, transparent polycarbon reservoirs (heat resistant up to 50°C), manual bleed and a bronze filter capable of holding all particles larger than 5 microns.
- Regulator with pressure gauge: self-regulating and vibration free, pressure gauges from 0 to 12 bar/180 psi, equipped with automatic decompression system
- Lubricator with transparent polycarbon lid (heat resistant up to 50°C), flush adjustment screw; it lubricates by fine vaporisation
- Maximum operating pressure: 12 bar/180 psi

Part 1

REGULATORS, FILTERS, LUBRICATORS CONFIGURATION (PART 1)

Type	Inlet diameter	Outlet diameter	Output at 9 bar (l/mn)	Part number
Regulator with gauge				
M 150/2	1/4"	1/4"	1000	004.601.100
M 250/3	1/2"	1/2"	5250	004.601.300
Filter with polycarbonate tank				
M 100/2	1/4"	1/4"	1760	004.603.100
M 200/2	3/8"	3/8"	7000	004.603.200
Lubricator with polycarbonate tank				
M 110/2	1/4"	1/4"	2500	004.604.100
M 210/3	1/2"	1/2"	5250	004.604.300

Part 2

REGULATORS, FILTERS, LUBRICATORS CONFIGURATION (PART 2)

Type	Inlet diameter	Outlet diameter	Part number
Bare 3/4" regulator	3/4" G	3/4" G	91.530
Bare 3/4" regulator + filter	3/4" G	3/4" G	91.532
3/4" regulator with manometer Ø 62 mm	3/4" G	3/4" G	91.531
3/4" regulator with manometer Ø 62 mm + filter	3/4" G	3/4" G	91.533
Filter 3/4" regulator	3/4" G	3/4" G	91.534
3/4" regulator, filter, lubricator, adjusting valve on wall base	1/2" G	1/2" G	91.398
Bare 1/4" regulator	1/4" G	1/4" G	91.551
Bare 1/4" regulator + filter	1/4" G	1/4" G	91.555
1/4" regulator with manometer Ø 62 mm	1/4" G	1/4" G	91.552
1/4" regulator with manometer Ø 62 mm + filter	1/4" G	1/4" G	91.558
Bare 1/4" fiter	1/4" G	1/4" G	91.553
Ø 62 mm manometer side output	-	-	151.080.094
Ø 62 mm manometer rear output	-	-	151.080.091
Wall bracket for 3/4" regulators	-	-	210.006
Reatining ring for regulator (mounting on control panel)	-	-	91.540
Locking mechanism for regulators	-	-	91.545
Adjusting valve with lock	-	-	91.544
Lubrication oil	-	-	149.990.017

■ 3000 type filter systems

For a clean spraying air.
With active carbon

The 3000 type filter system with wall mounting kit is made up of:

● 1 Prefilter
with an air regulator, a control gauge and a purge
- 5 microns filtration
- holding dust and water condensats

● 1 coalescent filter
with a purge and 2 quick air fittings outlets
- filtration at 0.01 micron
- holding oil and solid particles

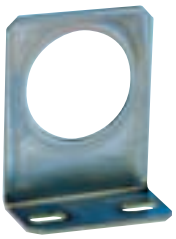
● Option:
An active carbon filter
- for filtering odours and oil vapours (to be mounted after the submicronic filter instead of the quick fitting)

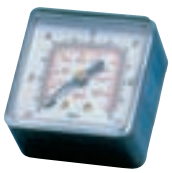
PART NUMBERS

Description	Part number
Type 3000 filter assembly - inlet fitting: F 1/2" G - outlet fitting: F 1/2" G supplied with a T fitting and 2 quick fittings Ø 5	151.250.550
Cartridge 5m Cartridge 0.01m	151.250.501 151.250.502
Option: active coal filter type 3000 inlet: M 1/2"G outlet: F 1/2" G	151.250.650
Active coal cartridge	151.250.601

■ Accessories

Allow the easy assembly and fitting of regulators, lubricators and filters to provide the ideal system.





PART NUMBERS

Description	Part number
1/8" square pressure gauge - maxi pressure 12 bar	004.601.001
Regulator support bracket F 171/1 for 1/8" and 1/4"	004.601.002
Regulator support bracket F 176/1 for 3/8" and 1/2"	004.601.201

■ Pressure gauges

Built to last in metal with glass lenses, they are completely impact and solvent resistant.

CONFIGURATION

Description	Internal diameter (mm)	Pressure range (bar)	Part number
Pressure gauge - central inlet	40	0 - 6	910.011.205
	40	0 - 2,5	910.011.208
Pressure gauge - central inlet	50	0 - 6	910.011.403
Pressure gauge - side inlet	50	0 - 10	910.011.402
	50	0 - 4	910.011.404

NOTES

PRACTICAL PAGES

Choosing a pump

To optimize

- For the best pump capacity, first work out the output you are going to require. This will include the sprayguns themselves, and any circulation you plan to have within this system. Once you have this figure, multiply by 1.2, and then choose the pump of which output at 30 cycles per minute is the nearest.

- The compression ratio you will need is defined by the pressure losses due to the length and diameter of the hosing of your system. To calculate these pressure losses, see page 4.

Example

let say you want to feed 3 conventional guns with an output of 500 cc/mn each, plus a circulation of 0,5 l/mn.
The total output will thus be 2 l/mn. The optimal pump capacity would be: (2 000 x 1,2) ÷ 30 = 80 cc/cycle.
The best-suited pumps will be:

- the PMP 150 (output of 100 cc/cycle and pressure ratio of 1:1) for low viscosity materials and a small circulating (pressure loss < 3 bar).
- the 02.75 (output of 85 cc/cycle and pressure ratio of 2:1) for thicker materials and a normal circulating (pressure loss < 6 bar).
- the 04.120 (output of 240 cc/cycle and pressure ratio 4:1) for large pressure loss in circulating (up to 15 bar).

Pump Material Feeding

To guarantee the right delivery of product, we offer the following range of equipment for various product viscosity:

- 0 - 300 cps
  - suction rod.

- 300 to 8 000 cps
  - top outlet pressure pots,
  - pumps (gravity or suction rod),
  - pump with base intake valve.

- 8 000 to 15 000 cps
  - bottom outlet pressure pots,
  - pumps with suction rods,
  - compressor.

- 15 000 to 30 000 cps
  - no more pressure pot,
  - no more suction rod,
  - submerged hydraulic pump,
  - compressor,
  - pump with single action elevator.

- 30 000 à 1 000 000 cps and +
  - pumps with peak feeder and double action elevator.

Filtration equivalence

Mesh (number of holes in 25,4 mm)	Micron	N° filtre (mesh opening in µm)
10	1480	–
16	975	–
20	750	30
25	630	25
30	500	20
40	375	–
45	360	15
50	300	12
60	238	–
70	210	8
80	175	6
100	149	–
140	100	4
170	90	3
200	74	–
250	60	–
270	50	2
325	40	1
400	35	–

Pressure loss in fluid hoses

Pressure drop is the resistance that prevents material from moving forward in the pipe. Two pipe variables influence this resistance: the (inside/internal) diameter and the pipe length. The pump will generate a pressure, strong enough to move the fluid material through the pipe (or hose) to the material pipe outlet. This pressure must be enough to overcome the original pressure drop.
While it is hard to reduce the pipe length, it is relatively easy to select an appropriate internal pipe diameter.

PRESSURE DROP CALCULATION

$$\text{Pressure loss (bar/m)} = \frac{6.9 \times \text{Flow (l/min)} \times \text{Viscosity (cps)}}{D^4 \text{ (int dia in mm)}}$$

$$\text{Pressure loss (psi/Ft)} = \frac{2.73 \times \text{Flow (gpm)} \times \text{Vicosity (cps)}}{D^4 \text{ (int dia in inches)}}$$

FLOW RATE CALCULATION

$$\text{Flow (l/min)} = \frac{\text{Pressure loss (bar/m)} \times D^4 \text{ (int dia in mm)}}{6.9 \times \text{Viscosity (cps)}}$$

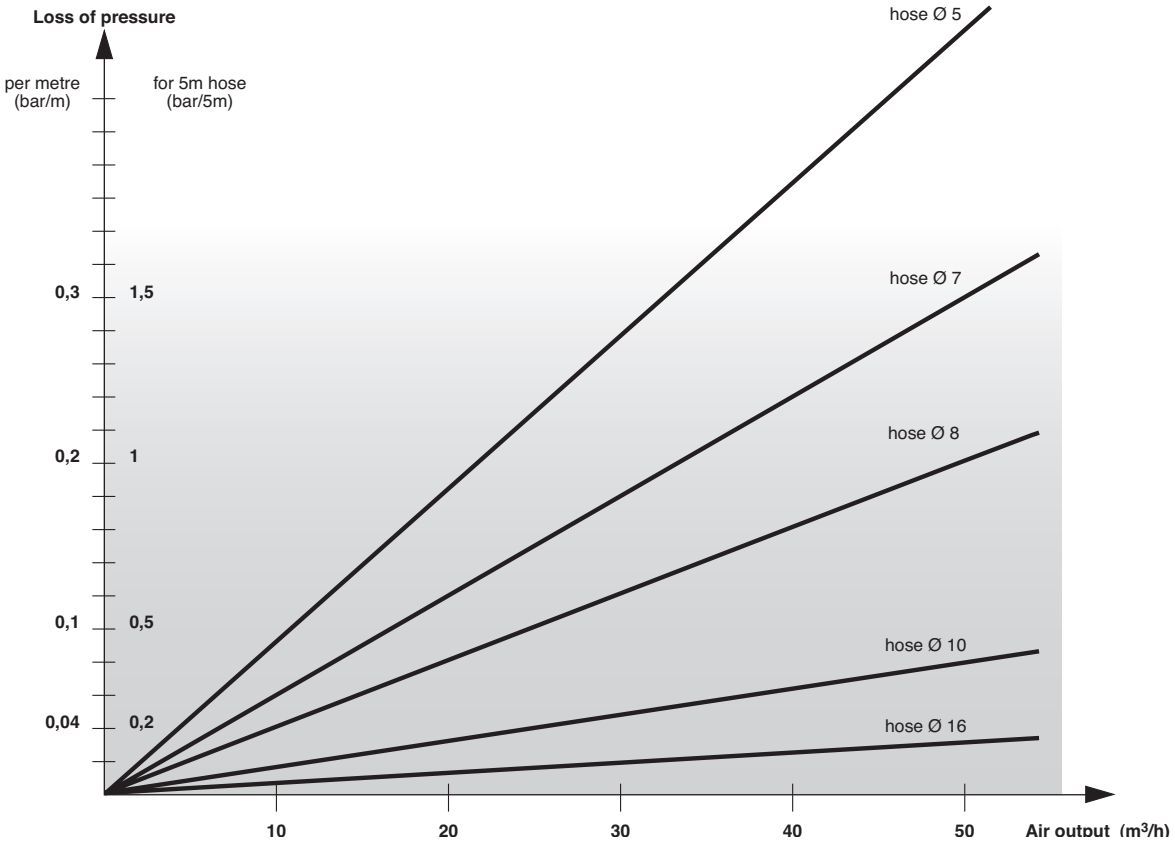
$$\text{Flow (gpm)} = \frac{\text{Pressure loss (psi/Ft)} \times D^4 \text{ (int dia in inches)}}{2.73 \times \text{Viscosity (cps)}}$$

PIPE DIAMETER CALCULATION

$$\text{Interior Dia (mm)} = \sqrt[4]{\frac{6.9 \times \text{Flow (l/min)} \times \text{Viscosity (cps)}}{\text{Pressure Loss (bar/m)}}}$$

$$\text{Interior Dia (in)} = \sqrt[4]{\frac{2.73 \times \text{Flow (gpm)} \times \text{Viscosity (cps)}}{\text{Pressure loss (psi/Ft)}}}$$

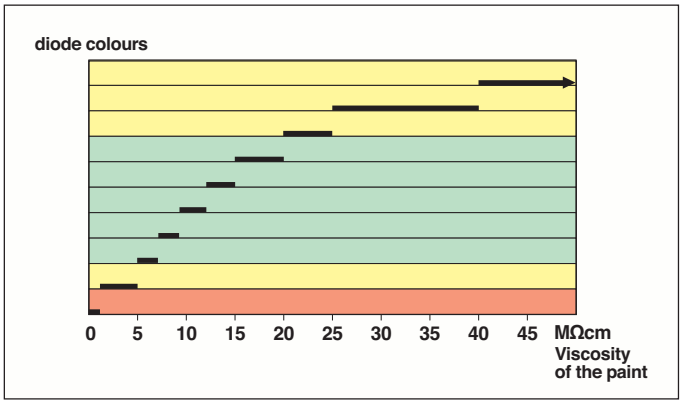
Pressure loss in air hoses



Electrostatic spraying : suitability of the equipment depending on the resistivity of the paints

- The wrap-around affect is optimized with paints of resistivity range of 5 - 50 MΩ.cm..
- Specific hoses allows for wrap-around effects for resistivity range higher than 2MΩcm.
- For water-based materials (0 MΩ.cm), a special ISObubble enclosure allows to benefit from all the advantages of electrostatic spraying in complete safety.

On the Kremlin Rexson resistivometer, resistivity can be read directly on the display.



List showing the compressed air consumption of normal air tools

We generally multiply the instant consumption by a coefficient of 0,5 to 0,9 to allow for the time the tool is not in use.

Tool	Consumption	
	l/mn	m^3/h
Projection equipment	800 at 1 800	48 at 108
Riveter	450 at 1 500	27 at 90
Pneumatic drill	600 at 1 200	36 at 72
Linisher Ø 230	1 200 at 4 000	72 at 240
Drill 13 mm	600	36
Rotating sander	200 at 400	12 at 24

The average air volume delivered by a compressor of 1 CV is of 8 m^3/h.

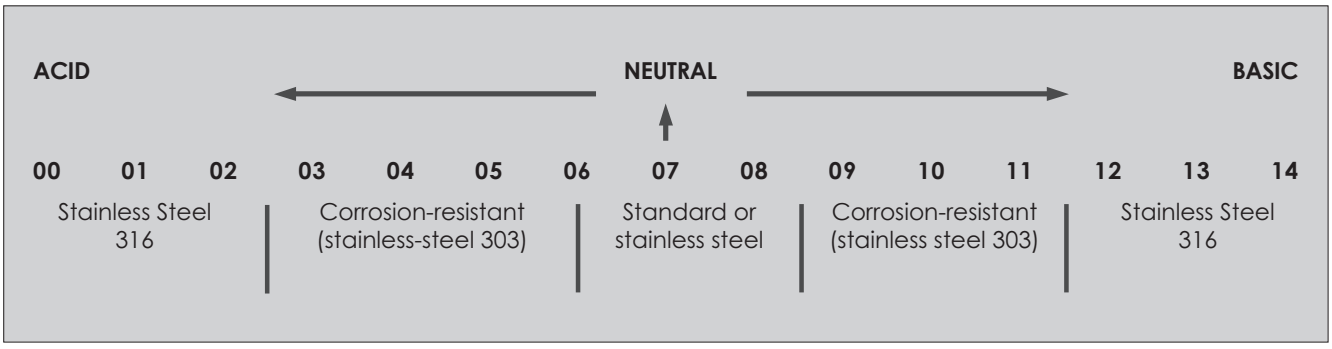
Tool	Consumption	
	l/mn	m^3/h
KREMLIN conventional gun	160 at 500	10 at 30
AIRMIX® gun	67 at 134	4 at 8
KREMLIN pumps	160 at 1 350	10 at 80
Blower	200 at 400	12 at 24
Screwdriver	200 at 400	12 at 24

Calculate exactly the maximum air consumption of pump in l/mn : Q

The formula is :
Q = 1.2 x fluid output x pressure ratio x (air motor feeding pressure in bar + 1 bar for atmosphere)
Example for a pump 16.120 : Q = 1.2 x 4,8 x 16 x (6 + 1) = 645.12 l/mn or (645.12 x 60) : 1000 = 38.7 m^3/h

Value of « PH »

The pH value of a liquid or a solution quantifies its concentration of hydrogen ions and tells us the extend to which it is acidic or alkaline. The PH value dictates the best materials to be used in construction of major paint handling and spraying equipment.



Practical information:
Metric - english conversion

CONVERT FROM	TO	MULTIPLY BY
Centimeters	feet	0.03280
Centimeters	inches	0.3937
Centimeters/min.	feet/min.	1.9684
Centimeters/sec.	feet/sec.	0.03281
Cubic centimeters.	cubic feet	3.5314×10^{-5}

CONVERT FROM	TO	MULTIPLY BY
Cubic centimeters	ounces	0.033
Cubic centimeters	liquid gallons	0.0002642
Cubic feet	liquid gallons	7.4805
Cubic feet	cubic inches	1.728
Cubic feet/min.	gallons/min.	7.4805

CONVERT FROM	TO	MULTIPLY BY
Cubic inches	gallons	0.004329
Cubic inches	cubic centimeters	16.387
Cubic inches	cubic feet	0.0005787
Cubic meters	liquid U.S. gallons	264.17
Cubic meters	cubic centimeters	1×10^{6}

CONVERT FROM	TO	MULTIPLY BY
Cubic meters	cubic feet	35.31
Cubic meters	cubic inches	61,023.38
Feet	centimeters	30.48006
Feet	meters	0.3048006
Feet of water	atmosphère	0.02949

CONVERT FROM	TO	MULTIPLY BY
Feet of water	psi	0.443
Feet/hour	miles/hour	0.00018933
Feet/min.	meters/min.	0.3048
Feet/min.	miles/hour	0.01136
Feet/sec.	miles/hour	0.681818

CONVERT FROM	TO	MULTIPLY BY
Gallons	cubic cm	3 785,43
Gallons	cubic inches	231
Gallons	imperial gallons	0,83268
Gallons	cubic feet	0,13368
Gallons/min.	cubic feet/min.	0,13368

CONVERT FROM	TO	MULTIPLY BY
Inches	feet	0,083333
Inches	meters	0,254
Inches	millimeters	25,40005
Inches	mils	1 000
Kilograms	pounds	2,2046

CONVERT FROM	TO	MULTIPLY BY
Kilogrammes/cm^2	psi	14,2233
Kilogrammes/mm^2	psi	1 422,33
Liters	gallons	0,264178
Meters	feet	3,2808
Meters	inches	39,37

CONVERT FROM	TO	MULTIPLY BY
Poise	centipoise	100,0
Pints of water	gallons	0,11985
PSI	atmosphère (bar)	0,06804
$Inches^2$	cm^2	6,4516
$Inches^2$	$feet^2$	0,006944
$Inches^2$	mm^2	645,163
$Millimètres^2$	$inches^2$	0,0015499
daN	Kilograms	1.0

- For the diameter of a circle, multiply the circumference by 0.31831.
- For the circumference of a circle, multiply the diameter by 3.1416.
- For the surface of a circle, multiply the $diameter^2$ by 0.7854.
- For the surface of a sphere, multiply the $diameter^2$ by 3.1416.
- To find the side of a square that has the same surface area of a circle, multiply the diameter by 0.8862.
- To find the number of cubic inches in a sphere, multiply the diameter by 0.5236.
- To find the number of gallons inside a pipe or cylinder, divide the volume in liters by 231.
- To find the cubic volume of a cylinder or pipe, multiply the section area by the length.

Practical information:
Chemical compatibility charts

MATERIAL IN CONTACT (WETTED PARTS)									
	Carbon steel	Aluminium	Brass	Stainless steel	Nylon	Nitrile	Vitton	Leather	P.U.
Butyl acetate	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	N	N		N
Ethyl acetate	👍👍	👍👍	👍👍	👍👍	👍👍👍	N			
Acetal aldehyde	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	N	N	👍👍	N
Amonium acetate				👍👍👍					
Acedic acid	👍👍👍			👍👍👍	👍👍👍	N	N	N	N
Boric acid	👍👍👍	👍👍👍		👍👍👍	👍👍👍		👍👍👍	👍👍👍	👍👍👍
Hydrobromic acid					👍👍👍	N	👍👍👍		
Chloridic acid	N	N		N	👍👍👍	N	👍👍👍		
Chromic acid	N	N	N	👍	👍👍👍	N			
Citric acid				👍👍👍	👍👍👍		👍👍👍		
Fluorohydric acid						N	👍👍👍		
Fluosilicic acid			👍👍👍		👍👍👍	N	N		
Formic acid	N	👍👍	N	👍	👍👍👍	N	👍		
Nitric acid	N	N	N	👍👍👍	👍👍👍	N	👍👍👍		
Oxylic acid	N	N	N	N	👍👍👍		👍👍👍	👍👍👍	👍👍👍
Phosphoric acid	N	N		👍👍👍	👍👍👍	N	👍👍👍		
Ethylalcohol						👍👍👍	N		
Methylalcohol	👍👍👍						N	👍👍👍	N
Acetic aldehyde	👍👍👍	👍👍👍		👍👍👍	👍👍👍	N	N		N
Formic aldehyde	N	👍👍	N	N	👍👍👍	N	👍👍👍		N
Sodium algenate					👍👍👍		N		
Starch						👍👍👍	👍👍👍		
Amines					👍👍👍	N	N	N	
Acetone	👍👍👍	👍👍👍		👍👍	👍👍👍	N	N		N
Liquid ammonia	👍👍👍	👍👍👍		👍👍👍	👍👍	👍👍	N	N	
Benzene	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	N	👍👍👍	👍👍	👍
Sodium bicarbonate		N	N	👍👍👍	👍👍👍	👍👍👍	👍👍👍		
Chlorine dioxide						N	👍👍👍		
Sodium bisulphate	N	N		N	👍👍👍	N	👍👍👍		
Brominate						N			
Calcium carbonate	👍👍👍			👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	
Sodium carbonate					👍👍👍		👍👍👍		
Chlorinate, gas						👍👍👍	👍👍👍		
Sodium chlorite							👍👍👍		👍👍👍
Aluminum chlorosulfate					👍👍👍	👍👍👍	👍👍👍	👍👍👍	
Calcium chloride	👍👍👍			👍👍👍	👍👍👍		👍👍👍		👍👍👍
Magnesium chloride	👍👍	N		N	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍
Potassium chloride	N	N		👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍
Sodium chloride					👍👍👍	👍👍👍	👍👍👍		👍👍👍
Zinc chloride	N	N		N	👍👍👍	👍👍👍	👍👍👍		👍👍👍
Ferrous chloride	N	N	N	N	👍👍👍		👍👍👍		
Ferric chloride	N	N	N	N	👍👍👍		👍👍👍		👍👍👍
Cyclohexane	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍		
Chlorobenzene	👍👍👍			👍👍👍	👍	N	👍👍👍		N
Ethylene chloride		👍👍			👍👍	N	👍👍		N
Methylene chloride	👍👍	N	👍👍	👍👍	N	N	👍👍		N
Diatoms						👍👍👍	👍👍👍		
Dichloroethylene					👍👍👍				
Diethylene glycol	👍👍👍	👍👍		👍👍👍	👍👍👍	👍👍👍	👍👍👍		N

👍👍👍 = High Compatibility

👍👍 = Good Compatibility

👍 = Low Compatibility

N = Not Compatible

Practical information:
Chemical compatibility charts

MATERIAL IN CONTACT (WETTED PARTS)									
	Carbon steel	Aluminium	Brass	Stainless steel	Nylon	Nitrile	Vitton	Leather	P.U.
Bleach	N	👍👍		👍👍👍	👍👍👍				👍
Distilled water	N	👍👍👍	👍👍👍	👍👍👍	👍👍👍		👍👍👍	👍👍👍	👍👍👍
Oxygenated water	N		N	👍👍	N		👍👍		👍👍👍
EDTA						👍👍👍	N		
Fertilizer						👍👍👍	N		
Ethanol					👍👍👍	👍👍👍	N		
Ethyl ether	👍👍	👍👍		👍👍	👍👍👍	N	N		👍
Ethylene glycol	👍👍	👍👍	👍👍👍	👍👍	👍👍👍	👍👍👍	👍👍👍		N
Ethyl-mercapan						N	👍👍👍		
Fuel						N	👍👍👍		
Fluosilicate			👍👍👍		👍👍👍	👍👍👍	👍👍👍		
Formaldehyde	N	👍👍		N	👍👍	👍👍👍	👍👍👍		N
Glycol	👍👍	👍👍		👍👍	👍👍👍	👍👍👍	👍👍👍		N
Gelatine	N	👍👍		👍👍👍	👍👍👍	N	N		N
Sodium hydroxide					👍👍👍	N	N		N
Ammonium hydroxide				👍👍👍	👍👍👍	N	N	👍👍	N
Potassium hydroxide	👍	N		👍👍	👍👍👍	N	N		N
Calcium hypochlorite				👍	👍👍👍	N	👍👍👍	N	
Sodium hypochlorite					👍👍👍	N	👍👍👍		N
Sodium hyposulfite					👍👍👍	N	👍👍👍		
Fruit juice						👍👍👍	👍👍👍		
Methanol	N	👍👍👍		👍👍👍			N		👍
Morpholine	👍👍👍	👍👍👍				N	N		
Methylethylcetone	👍👍👍	👍👍		👍👍👍	👍👍👍	N	N		N
Sodium nitrite					N	N	👍👍👍		
Perchlorethylene (tetrachloret.)	👍👍👍	👍👍		👍👍👍	N	👍👍	👍👍👍		N
Permanganate de potassium	👍👍	👍👍		👍👍	👍👍👍	N	👍👍👍		
Hydrogen peroxide	N	👍👍👍	N	👍👍		N	👍👍		
Chlorohated Peroxyde						N	👍👍👍		
Phenol	N	N			👍👍👍	N	👍👍👍		
Ammonium phosphate			👍👍👍	👍👍👍	👍👍👍	👍👍👍	👍👍👍		
Tridsodium phosphate	👍👍👍	N		👍👍👍	👍👍👍	👍👍👍	👍👍👍		
Aluminium polychlorite						👍👍👍	👍👍👍		
Polyelectrolytes						👍👍👍	👍👍👍		
Caustic potash		N		👍👍👍		N	👍👍👍		
Sodium silicate					👍👍👍	👍👍👍	👍👍👍		
Soda						N	N		
Aluminium sulfate					👍👍👍	👍👍👍	👍👍👍	👍👍👍	N
Ammonium sulfate					👍👍👍				👍👍👍
Calcium sulfate	👍👍👍	👍👍👍		👍👍👍	👍👍👍		👍👍👍		
Copper sulfate				👍👍👍	👍👍👍	👍👍👍	👍👍👍		👍👍👍
Ferrous sulfate		N		👍👍	👍👍👍	👍👍👍	👍👍👍		
Ferric sulfate	N	N		N	👍👍👍	👍👍👍	👍👍👍		👍👍👍
Sodium sulfate	N				👍👍👍	👍👍👍	👍👍👍		
Hydrogen sulfur	👍👍👍				👍👍👍	👍👍👍	N		
Carbon tetrachloride	👍👍		👍👍👍	👍👍👍	👍👍👍	N	👍👍👍		
Toluene	👍👍👍	👍👍👍		👍👍👍	N	N	👍👍👍		N
Trichlorethane	👍👍	N		👍👍	N	N	👍👍👍		N
Trichlorethylene	👍👍	👍👍👍		👍👍	N	N			N
Triethyleneglycol				👍👍	👍👍👍		👍👍👍		
Urea	👍👍	👍👍		👍👍	👍👍👍		👍👍👍		
Xylenes	👍👍	👍👍		👍👍	👍👍👍	N	👍👍👍		N

NOTES

EXPERTS IN FINISHING AND DISPENSING SOLUTIONS FOR ALL MARKETS WORLDWIDE

WHERE TO FIND US ?

WWW.KREMLIN-REXSON.COM
▸ ABOUT US
└ GLOBAL PRESENCE

KREMLIN REXSON, creator of AIRMIX®, FLOWMAX® and CYCLOMIX™ technologies, offer a broader and various range of gun and pumps for the application of paints, sealants and adhesives.

Kremlin Rexson
www.kremlin-rexson.com
150, avenue de Stalingrad - 93245 STAINS cedex - FRANCE
Tél. : +33 1 49 40 25 25 - Fax.: +33 1 48 26 07 16