

ELECTROSTATIC SPRAYING




KMV 3 SPRAY GUN

MANUAL ELECTROSTATIC GUNS



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



KMV 3  SPRAY GUN CONFIGURATION					
Description	Fan shape	Aircap	Nozzle	Voltage cable length (m)	Part number
			Caliber (mm)		
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 SPRAY GUN

MANUAL ELECTROSTATIC GUNS



Ideal for all parts requesting high quality finish together with an excellent edge covering for office furniture, rolling equipment, accessories ...

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, 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



KMP 3 SPRAY GUN CONFIGURATION

Description	Fan shape	Aircap	Tip	Voltage cable length (m)	Part number
			Size (mm)		
KMP3  spray gun	Flat	KP3	1.2	10	135.286.420
KMP3  spray gun	Flat	KP3	1.2	15	135.286.425

KMP3  GUN KIT					
Description	Resistivity range	Hoses length (m)	Kit part number w/o power supply	Kit with power supply part number	
Kit KMV 3 	Higher than 5 MΩ.m	10	151.260.685	151.260.686	
Kit KMV 3 	Higher than 5 MΩ.m	15	151.260.690	151.260.691	
Kit KMV 3  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  REPAIR KIT	
Description	Part number
KMP3  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 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	129.276.100
KMP	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	129.276.100

AIRCAP RINGS

Description	Part number
Aircap ring for KMV/KAV	129.277.370

KMX 3 SPRAY GUN

MANUAL ELECTROSTATIC GUNS



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



Description	Fan shape	Aircap	Tip	Voltage cable length (m)	Part number
			Size (mm)		
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.cm	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			Average width of fan at 25 cm				
	20 bar	35 bar	50 bar		gun filter	pump filter	number marked on the tip	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: 134.5x.xxx

KMC 3 SPRAY GUNS

MANUAL ELECTROSTATIC GUNS



Ideal for complex parts such as tubes, frameworks, chassis and 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, 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



KMC 3  H2O GUN					
Description	Fan shape	Aircap	Tip	Voltage cable length (m)	Part number
			Size (mm)		
KMC3  spray gun	Round hollow fan	KXC 5	K 30	10	135.283.430
KMC3  spray gun	Round hollow fan	KXC 5	K 30	15	135.283.435

KMC 3  GUN KIT					
Description	Resistivity range	Hoses Length (m)	Kit part number w/o power supply	Kit with power supply part number	
KMC3  kit	Higher than 5 MΩ.cm	10	151.260.715	151.260.716	
KMC3  kit	Higher than 5 MΩ.cm	15	151.260.720	151.260.721	

KMC3  REPAIR KIT	
Description	Part number
KMC3  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		Part number	Tip		Fluid output	Needle for KAC	
	type	Air output		Size (mm)	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 positioned 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 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

SPRAYMIUM® LOW PRESSURE SPRAY GUN

MANUAL ELECTROSTATIC GUNS



The Spraymium® gun associates ergonomics, reliability and application performances. It's dedicated to companies interested in the process improvement by facilitating the operator work. It's light and its 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 available in flat or hollow cone fan type

Compliant with ATEX:
 IISseP 08ATEX020
 ⚡ 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	Preferred 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® LOW PRESSURE SPRAY GUN

Description	Resistivity range (MΩ.cm)	Fan shape	Tip	Part number
			Size (mm)	
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	Length (m)	Part number
		Fitting		
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

MANUAL ELECTROSTATIC GUNS



The Spraymium® gun associates ergonomics, reliability 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 available 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	Preferred 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



CONFIGURATION OF THE ELECTROSTATIC SPRAYMIUM® GUN

Description	Resistivity range (MΩ.cm)	Fan shape	Aircap	Tips	Part number
				size (mm)	
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	Length (m)	Part number
		Fitting		
LR HP Ø 4,8 fluid hose	≥ 0.5	FF 1/2 JIC	10	910.002.417
HR fluid hose supplied 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	Length (m)	Part number
		Produit		
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	910.005.78130

■ 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	number marked on the tip	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: 134.5x.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...

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



Model shown: KMP3 H2O

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



KMV 3 H2O GUN CONFIGURATION				
Description	Fan shape	Aircap	Tip	Part number
			Size (mm)	
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 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

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 Electrostatic spraying and equipment
 Plural component pumps and machines
 Fittings and air treatment

KMP 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 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



KMP3 H2O FLAT FAN CONFIGURATION				
Description	Fan shape	Aircap	Tip	Part number
			Size (mm)	
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 KMP/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



KMX3 H2O GUN CONFIGURATION				
Description	Fan shape	Aircap	Tip	Part number
			Size (mm)	
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	Type	Aircap w/o ring		Tips	
		Air flow-rate	Part number	Fluid flowrate	Needle for manual guns 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

Airspray spraying technologies

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AIRLESS spraying technologies

Electrostatic spraying and equipment

Plural component pumps and machines

Fittings and air treatment

■ 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	number marked on the tip	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



KMC3 H2O HOLLOW FAN GUN CONFIGURATION				
Description	Fan shape	Aircap	Tip	Part number
			Size (mm)	
KMC3 H2O gun	Round hollow fan	KXC5	K30	135.293.000

KMC 3 H2O 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	type	Aircap		Tip Size (mm)	Fluid output	Needle for KAC	
		air output	Part number			Part number	Part number
KMC	KX55	8 Nm ³ /h at 2 bar	132.400.100	K20	200 cm ³ /mn	134.873.020	129.272.100
KMC	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	KX55	8 Nm ³ /h at 2 bar	132.400.100	K40	400 cm ³ /mn	134.873.040	129.272.100
KMC	KX55	8 Nm ³ /h at 2 bar	132.400.100	K50	500 cm ³ /mn	134.873.050	129.272.100
KMC	KX55	8 Nm ³ /h at 2 bar	132.400.100	K60	600 cm ³ /mn	134.873.060	129.272.100
KMC	KX55	8 Nm ³ /h at 2 bar	132.400.100	K70	700 cm ³ /mn	134.873.070	129.272.100

Airspray spraying technologies

AIRMIX® spraying technologies

AIRLESS spraying technologies

Electrostatic spraying and equipment

Plural component pumps and machines

Fittings and air treatment

ISOBUBBLE II

MANUAL H2O ELECTROSTATIC GUNS



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 adjustments 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 H2O 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

AUTOMATIC ELECTROSTATIC GUNS



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



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


AUTOMATIC ELECTROSTATIC GUNS



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)
Fluid output (l/mn) - adjustment 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



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

Airspray spraying technologies

AIRMIX® spraying technologies

AIRLESS spraying technologies

Electrostatic spraying and equipment

Plural component pumps and machines

Fittings and air treatment

■ 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

AUTOMATIC ELECTROSTATIC GUNS



New generation of automatic electrostatic guns with a 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)
Fluid output (l/mn)	Upon tip
Fan width (cm)	Adjustable 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



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

Gun type	Aircap w/o ring		Part number	Tips		Needle for manual guns
	Type	Air flow-rate		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

Airspray spraying technologies

AIRMIX® spraying technologies

AIRLESS spraying technologies

Electrostatic spraying and equipment

Plural component pumps and machines

Fittings and air treatment

■ 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	number marked on the tip	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: 134.5x.xxx

KAC SPRAY GUN

AUTOMATIC ELECTROSTATIC GUNS



Airspray spraying technologies

AIRMIX® spraying technologies


AIRLESS spraying technologies

Electrostatic spraying and equipment

Plural component pumps and machines

Fittings and air treatment

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



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	Needle for KACv	
						Part number	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

