

KM 3 Airmix®

Manual electrostatic middle and high pressure gun



- > Lightweight electrostatic gun
- > Outstanding Airmix® finish quality
- > Paint savings (high transfer efficiency up to 95%)

KMX3 Manual Airmix® is ideal for parts that require fine finish quality delivered by electrostatic Airmix® technology.

 > 5 MΩ.cm

 800 g

 85 kV
100 μA

 according to the nozzle



FIELD OF APPLICATION

- Metallic furniture
- Rolling equipment
- Exterior joinery
- Aluminium profiles
- Agricultural & construction equipment
- Transportation



www

KM 3 Airmix®

There are 2 basic versions:

KMC 3 Armix® in the round spray version is perfect for complex tubular parts such as tubes, frameworks, undercarriage.

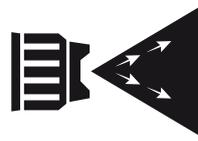
KMC 3 integrates **Hollow shape technology**



The hollow cone nozzles produce an especially fine, atomized liquid flow, with spray patterns characterized by a ring-shaped impact area. These nozzles are ideal for spray applications such as tubes, shock absorber, springs.

KMX 3 Armix® in the fan spray version is ideal for all parts requesting high quality finish together with an excellent edge covering for office furniture, rolloing equipment, transportation...

KMX 3 integrates **Airmix® technology**



Airmix® is an intermediate spray technology that combines the advantages of both conventional and Airless technology & is the industry standard for medium pressure atomization today.

CUSTOMERS' BENEFITS

Performance

- Reliable performance with high end production
- Adjustable high voltage to adapt the electrostatic effect to the part to be painted

Productivity

- Increased operator comfort
- Easy and quick flushing (no deadzone in paint tube)
- User friendly with simple control
- Light and ergonomic to minimize operator fatigue
- Easy fan pattern adjustment

Sustainability

- Quality of selected components ensure reliability
- Fewer parts for easy field repair
- Reduced booth maintenance due to reduction in overspray

Technical Data

GUN	KMC 3 Airmix®	KMX 3 Airmix®
Gun weight without hoses or cables	800 g	
Gun length	285 mm	
Hose lengths available	10 m, 15 m and 30 m	
Type of spray	Round spray : Swirling fan nozzle	Fan spray
Wetted parts	Stainless steel - Polyamide - PETP - PTFE - Polyacetale - Polyethylene	
Pneumatic supply	KMC 3 Airmix®	KMX 3 Airmix®
Max air supply pressure	6 bar (87psi)	
Fitting Air	M 1/4" NPS	
Fitting hose (resistivity > 5 Mohms.cm)	M 1/2" JIC	
Fitting hose (resistivity < 5 Mohms.cm)	F 1/2" JIC	
Product supply	KMC 3 Airmix®	KMX 3 Airmix®
Paint flow rate	1000 ⁽¹⁾ cc/min Maxi.	
Max paint supply pressure	100 bar (1450psi)	
Recommended product viscosity	40 seconds CA4 Maxi.	
Fluid max temperature	60 (°C)	
<i>(1): depending on viscosity</i>		
High Voltage	STD 9	
Voltage maxi.	20 to 85 kV	
Current maxi.	100 µA	

GUN VERSION:	Compatible with	Paint resistivity	Recommended working pressure
KMC3 & KMX3	solvent based paint	> 5 MΩ.cm	60 - 100 bar

ATEX marking:

KMC3 Ex & KMX3 Ex
 CE 0080 Ex II 2 G
 EEX 0.24 mJ
 INERIS03ATEX0026X

STD9:
 CE 0080 Ex II (2) G
 [0.24 mJ]
 INERIS03ATEX0026X
 INERIS04ATEX0093X

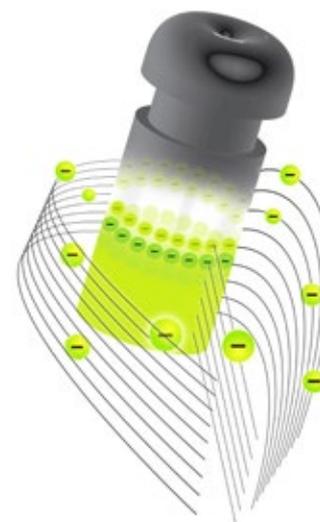
Control module should not be installed in an ATEX zone (potentially explosive).

For low resistivity materials (< 5M MΩ.cm), please order the gun, the isolated hose and the control box separately.
 For more information contact SAMES KREMLIN.

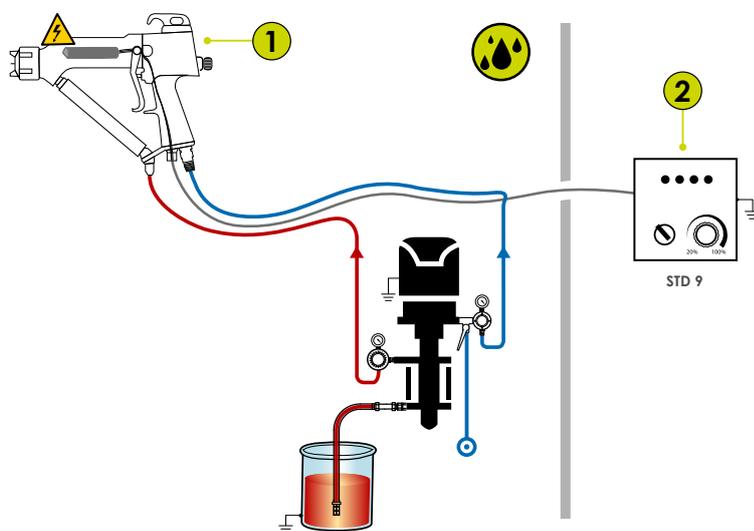
ELECTROSTATIC TECHNOLOGY

The advantages of electrostatic spraying are considerable under protection conditions where more than 15 gallons of paint is used per week.

- Paint savings : 10-30% vs Airspray or Airmix® technology
- Faster application times thanks to the ease of reaching difficult areas and a high transfer efficiency.
- Better quality of coat – totally consistent layer thickness, perfect coverage of angles.
- Preserved environment for the painter: elimination of overspray.
- Protection of the environment – VOC emission level considerably reduced simpler maintenance thanks to the reduction in spray booth pollution.



Build your Gun



: ATEX area

Mark		KM 3 (Spray gun + Electrical cable)		
1	VERSION	KMC 3 (Tip K30)	KMX 3 (Tip 09.135)	
	Electrical cable length = 10 m	135.283.430	135.284.420	
	Electrical cable length = 15 m	135.283.435	135.284.425	
	Electrical cable length = 30 m	135.283.440	135.284.430	
			2	
			VERSION	CONTROL MODULE
			STD 9	148.200.100

KM 3 KITS (Spray gun + hoses ⁽¹⁾ + with or no STD 9)				
VERSION ⁽¹⁾	KMC 3		KMX 3	
	without control module		with control module	
Hoses length = 10 m	151.260.715	151.260.716	151.260.700	151.260.701
Hoses length = 15 m	151.260.720	151.260.721	151.260.705	151.260.706
Hoses length = 30 m	151.260.735	-	151.260.725	-

(1): air hose Ø 8 mm (i.d 5/16») + fluid hose Ø 4.8 mm (i.d 5/16»)

Fitting to connect with Airspay pumps
(PMP150/02-C85 & 02.75)
Adaptator F3/8" NPS / M1/2" JIC; Ref = 050.123.306

AIRCAPS, TIPS & NEEDLES

Spray gun	Aircap			TIP			Needle
	Type	Air output	Reference	Size (mm)	Fluid output	Reference	Reference
KMC	KX 55 w/o ring	8 Nm ³ /h at 2 bar	132.400.100	K20	200 cm ³ /mn	134.873.020	129.272.100
				K30	300 cm ³ /mn	134.873.030	
				K40	400 cm ³ /mn	134.873.040	
				K50	500 cm ³ /mn	134.873.050	
				K60	600 cm ³ /mn	134.873.060	
				K70	700 cm ³ /mn	134.873.070	
	KXC5 with ring		132.273.100				
KMX	KX 116 (fixed fan)	5 Nm ³ /h at 2 bar	132.284.100	see special Airmix® Tips page 26			129.272.100
	KX 16 (adjustable fan)	8 Nm ³ /h at 2 bar	132.284.000				
	with ring for KMX/KAX		129.276.001				

Build your Gun

REPAIR KIT (CARTRIDGE, TIP, NEEDLE, AIRCAP AND SEALS)

Spray gun	Reference
KMC 3	129.273.350
KMX 3	129.274.350

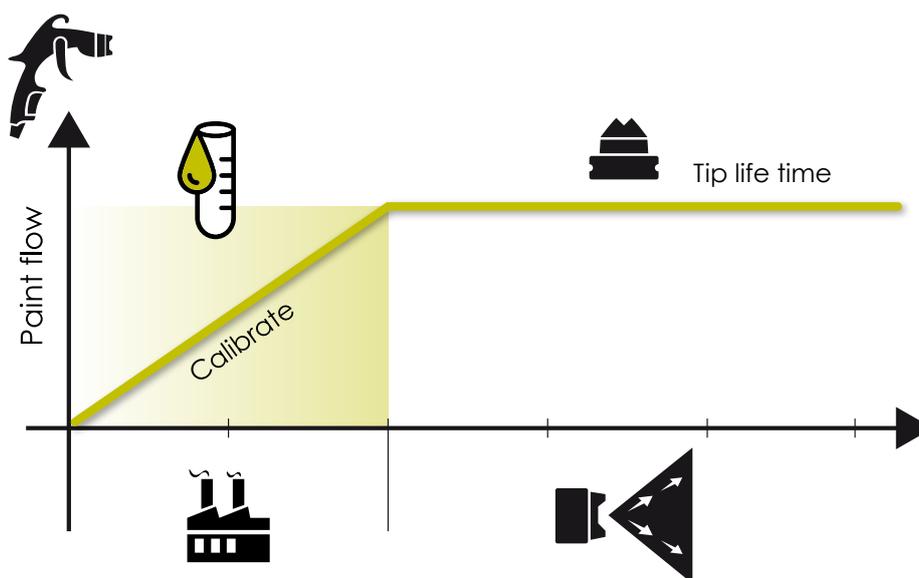
SPRAY GUN COVER

Description	Reference
Pack of covers Quantity = 10	129.270.095
Hoses sleeve Length = 10 m, Ø 40mm	129.270.087

WHY CHOOSE OUR TIPS?

To make sure that every tip built in our factory yields the best results, we follow a precise machining process that guarantees consistent material output at different spray angles each & every time.

Our tips are built with carefully selected materials to guarantee a lifetime production compatibility with the main paint tip.



SPECIAL AIRMIX® TIPS WITH DIELECTRIC INSERT

Size(1)	Water output in l/mn			Ø (mm) equivalent	Screen mark gun filter	pump filter	number marked on the tip	Average width of fan at 25cm				
	20 bar	35 bar	50 bar					13cm	19cm	23cm	27cm	35cm
06	0.15	0.20	0.30	0.28	4	4 or 6		06.075	06.095	06.115	06.135	-
09	0.20	0.30	0.45	0.33	6	6 or 8		09.075	09.095	09.115	09.135	-
12	0.26	0.36	0.55	0.38	6	6 or 8		-	12.095	12.115	12.135	-
14	0.30	0.40	0.70	0.41	6	8 or 12		-	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**

ex: Size 06 and width 23cm of fan = **134.506.115**

Air and Fluid hoses

Air hoses

Spray gun	Length (m)			
	5 m	10 m	15 m	30 m
KMP	050.389.101 Ø 8	050.389.102 Ø 8	050.389.105 Ø 8	050.389.106 Ø 8
KMV	050.389.101 Ø 8	050.389.101 Ø 8	050.389.105 Ø 8	050.389.106 Ø 8
KMX	050.382.109 Ø 7	050.382.110 Ø 7	050.382.116 Ø 7	050.389.106 Ø 8
KMC	050.382.109 Ø 7	050.382.110 Ø 7	050.382.116 Ø 7	050.382.106 Ø 8

Fluid hoses for solvent paint high resistivity (> 5M MΩ.cm)

Spray gun	Length (m)			
	5 m	10 m	15 m	30 m
KMP				
KMV	050.450.801	050.450.802	050.450.811	050.450.710
KMX				
KMC				

Fluid hoses isolated for solvent paint low resistivity (< 5M MΩ.cm)

Spray gun	Length (m)			
	5 m	10 m	15 m	30 m
KMP				
KMV	-	129.292.310	129.292.315	129.292.320
KMX				
KMC				