



AVX Pro

Automatic Airmix® Spray Gun

The New Benchmark in Automatic Airmix® Spraying

Product highlights

- Superior transfer efficiency, with up to 5% extra paint savings
- Patented system to secure the fast and the safe positioning of the spray pattern
- Outstanding finishing quality



BOND • PROTECT • BEAUTIFY

AVX Pro

Automatic Airmix® Spray Gun

The AVX Pro builds on the legendary AVX Automatic Airmix® spray gun. Direct replacement of AVX without any adjustment, it delivers superior finishing, higher reliability, easy service, and lower cost of ownership, all in a lighter, more compact format.



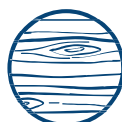
Adapted industrial markets



ACE*



Transportation



Wood



Railways



Technical data table

Designation	Value	Unit
Maximum Air Pressure	6 (87)	bar (psi)
Trigger Air Pressure	3,5 (50)	bar (psi)
Pilot Air Inlet	F 1/8 BSPP (fittings F 4x6 or F 2x4)	
Atomizing Air Inlet	F 1/4 BSPP (fittings M 1/4 NPS/BSP or F 6x8)	
Height	68 (2.60)	mm (in)
Width/depth	45 (1.60)	mm (in)
Length (gun only)	104 (4.10)	mm (in)
Maximum Material Pressure	240 (3480)	bar (psi)
Weight	0,680 - with lateral base T (23.99)	kg (lbs)
Certification	CE-UKCA II2G Ex h IIB T6 Gb X	
HVLP Compliant	Yes	
Compatible spray tip	Airmix® Fine Finish Airmix® Xtra Fine Finish Airmix® Asymmetrical	
Seat	Carbide (Option Acetal)	
Material Inlet Port	2 x F 1/4 NPSM (fittings M JIC, BSP, NPT)	
Wetted Parts	PTFE, Stainless steel 303	
Body Material	Aluminium	
Maximum Fluid Temperature	50 (122)	°C (°F)

Marking

Product	Type
AVX Pro	CE 0080 UK 2503 CE-UKCA II2G Ex h IIB T6 Gb X

*: "AgricultureConstruction and Earthmoving"



Technologies



GT sealing



Airmix® spray technology



Improved transfer efficiency



Description

The AVX Pro is an automatic spray gun operating in **Airmix®** mode. Its lightweight and reduced dimensions make it the perfect fit for flatline paint machines, robot arms, reciprocators and all automatic spraying systems. It features the improved Airmix® spraying quality (deflector, diffuser) of the Xcite®+ manual gun. Reinforced PTFE and GT cartridges provide excellent compatibility with UV-cured paints and varnishes, and water-based products up to 240 bars.

Excellent transfer efficiency and reduced closing time reduce overspray and paint losses. Maintenance and adjustment are made much quicker with opening indicator, quick disconnect and head angle indexing. A 30% weight reduction decreases the deadweight and strain on reciprocators, flat line rails and robot arms, bringing faster movements and savings in energy consumption and mechanical fatigue.

Performances

Airmix® Quality at its best

Airmix® is the perfect fit between quality of finish and productivity. The gun internal diaphragms (1) (2) pre-mix the coating before atomization, optimizing transfer efficiency and improving the final surface finish.

Productivity

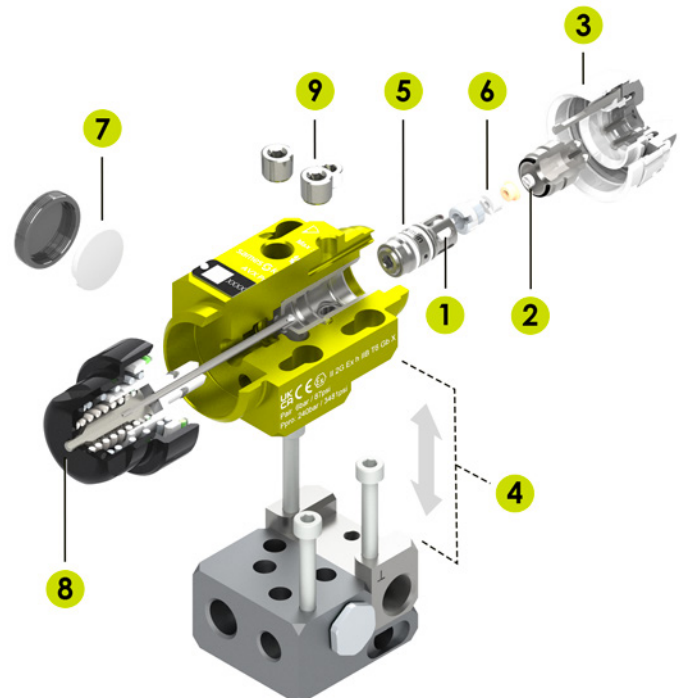
High Efficiency, Every Time

Spraying at lower atomization and fluid pressures reduces overspray, VOC emissions, and energy consumption. Compared to the legacy AVX and competing guns, the AVX Pro can save up to 5% in paint usage and up to 10% in rinse fluid.

Sustainability

Reduce downtime

The indexed aircap head (3) and quick disconnect system (4) make cleaning and maintenance fast and effortless, while ensuring the aircap is always repositioned correctly. Additional features—including enhanced cartridges (5), durable carbide seats (6), the integrated NFC chip (7), the opening indicator (8), leak detection, and cartridge lubrication (9)—streamline daily maintenance tasks and significantly reduce technician downtime.



Equipment

Designation	Part number
AVX PRO AUTOMATIC SPRAY GUN, AIRMIX, GT CARTRIDGE	129693003
AVX PRO AUTOMATIC SPRAY GUN, AIRMIX, RULON CARTRIDGE	129693000
BASE FOR AUTO. AIRMIX GUN, SIDE OUTLETS, T (CIRCULATE THROUGH BASE)	129692070
BASE FOR AUTO. AIRMIX GUN, REAR OUTLETS, T (CIRCULATE THROUGH BASE)	129692080
BASE FOR AUTOMATIC GUN, REAR OUTLETS, OMEGA, (CIRCULATE THROUGH GUN)	129693080
BASE FOR AUTO. AIRMIX GUN, SIDE OUTLETS, OMEGA, (CIRCULATE THROUGH GUN)	129693070
BASE AUTO. AIRMIX GUN, CEFLA, SIDE OUTLETS, T (CIRCULATE THROUGH BASE)	129692090
AIRCAP ASSEMBLY NX124 KHVLP INDEXED	132730050
AIRCAP ASSEMBLY NX24 KHVLP INDEXED	132730020

Kits

Designation	Part number
KIT NX24 AIRMIX AIRCAP AND MANUAL FAN CONTROL KNOB	28000180
KIT NX24 AIRMIX AIRCAP AND FAN CONTROL AIR FITTING (F) 1/4 BSPP	28000181
KIT AVX PRO RULON BASE LATERAL T (CIRCULATE THROUGH BASE)	28000170
KIT AVX PRO GT BASE LATERAL T (CIRCULATE THROUGH BASE)	28000171
KIT AVX PRO RULON BASE REAR T (CIRCULATE THROUGH BASE)	28000172
KIT AVX PRO GT BASE REAR T (CIRCULATE THROUGH BASE)	28000173
KIT AVX PRO RULON BASE LATERAL OMEGA (CIRCULATE THROUGH GUN)	28000174
KIT AVX PRO GT BASE LATERAL OMEGA (CIRCULATE THROUGH GUN)	28000175
KIT AVX PRO RULON BASE REAR OMEGA (CIRCULATE THROUGH GUN)	28000176
KIT AVX PRO GT BASE REAR OMEGA (CIRCULATE THROUGH GUN)	28000177
KIT AVX PRO RULON BASE CEFLA T (CIRCULATE THROUGH BASE)	28000178
KIT AVX PRO GT BASE CEFLA T (CIRCULATE THROUGH BASE)	28000179



Additional information

[• User manual](#)[• Spare parts](#)[• Accessories](#)[• Documents](#)[• Videos](#)

Sames

13 chemin de Malacher
CS 70086 - 38243 MEYLAN Cedex - FRANCE
Phone: +33 (0)4 76 41 60 60
www.sames.com



Sames reserves the right to modify its equipment or specifications without further notice.
Document, products and pictures shown are not contractual.

06/2026