

Equipment

Designation	Type	Fittings	Weight g (oz)	Seal Type	Part number
AVX Spray gun (T)	Gun, T		452 (16)	Chevron	129690000
AVX Spray Gun ( Ω )	Gun, Ω		452 (16)	Chevron	129691000
AVX Spray Gun ( T ), GT	Gun, T		452 (16)	GT	129690003
AVX Spray Gun ( Ω ), GT	Gun, Ω		452 (16)	GT	129691001
(L) BASE WITH SIDE FLUID CONNEC.	Base, T	side	240 (8.5)		129690070
(Omega) BASE WITH SIDE FLUID CONNEC.	Base, Ω	side	240 (8.5)		129691070
(L) BASE WITH REAR FLUID CONNEC.	Base, T	rear	480 (17)		129690080
(Omega) BASE WITH REAR FLUID CONNEC.	Base, Ω	rear	480 (17)		129691080
(L) CEFLA BASE WITH SIDE FLUID CONNEC.	Base, T	side	240 (8.5)		129690090
Fitting kit for side outlet base	Fittings	side			129690075
Fitting kit for rear outlet base	Fittings	rear			129690085

Accessories

Designation	Fittings	Part number
Remote adjusting fan width kit	F 1/4 BSPP - M14*100	029253002
Manual air adjuster	M14*100	129253100
Mounting rod ø16 + nut ø16		049351000
Mounting support ø12mm		049351700
Mounting support swiveling		049351705

Kits

Designation	Fittings	Seal	Part number
Complete AVX (L) with side outputs base & fittings	Fluid : 2x M1/2"JIC, Atomizing air M1/4NPS, Air trigger FF4x6	Chevron	129695000
Complete AVX (Omega) with side outputs base & fittings	Fluid : 2x M1/2"JIC, Atomizing air M1/4NPS, Air trigger FF4x6	Chevron	129695100
Complete AVX (L) with rear outputs base & fittings	Fluid : 2x M1/2"JIC, Atomizing air M1/4NPS, Air trigger FF4x6	Chevron	129695050
Complete AVX (Omega) with rear outputs base & fittings	Fluid : 2x M1/2"JIC, Atomizing air M1/4NPS, Air trigger FF4x6	Chevron	129695150
Complete AVX (L) with side outputs Cefla base & fittings	Fluid : 2x M1/2"JIC, Atomizing air M1/4NPS, Air trigger FF4x6	Chevron	129695200

Spare Parts

Designation	Surface	Fan control	Part number
Chevron Needle-cartridge assembly (pack of 4)			129690050
GT Needle-cartridge assembly (pack of 4)			129690060
Package of Seals AVX ( Air and Fluid)			129690901
Stainless steel seat with seal acetal (2 seats and 2 seals) (standard)			129679905
Carbide seat with seal Acetal (2 seats and 2 seals)			129679906
Acetal seat (pack of 10)			129679904
AIRCAP VX124 - HVLP	Anodized	-	132720055
AIRCAP VX124 - HVLP (MVX ring)	Anodized	-	132720065
VX24 KHVLP - Xcite®+ type ring	Anodized	Full jet	132720020
AIRCAP VX114 - HVLP	Aluminum	-	132670940
AIRCAP VX14 - HVLP	Aluminum	Reduced jet	132670920
AIRCAP VX54	Non Stick	-	132670030
Aircap protection (pack of 3)			132720003
Tip cleaning needles (nozzles ≤ 0.9) (6 pieces)			000094000
Tip cleaning needles (nozzles > 0.9) (6 pieces)			000094002

AVX

Automatic Airmix® Spray Gun



Airmix® / Automatic Guns

LIGHTWEIGHT AND VERSATILITY FOR EFFICIENT PRODUCTION

- High transfer efficiency (up to 86%)
- Excellent atomization quality
- Modular design and high reliability

Markets



BOND • PROTECT • BEAUTIFY



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# AVX

## Automatic Airmix® Spray Gun

The automatic Airmix® AVX spray gun ensures high level performance with unsurpassed finish & excellent atomization quality. The base-mounted modular design allows for quick maintenance with minimum downtimes.

Leading spray technology since 1975, AIRMIX® technology was invented by **Sames** to reduce paint consumption, reduce cost of ownership, increase productivity, improve working condition and preserve the environment. Continuously improved over the past 35 years, AIRMIX® is today the most efficient non-electrostatic spray technology providing up to 86% transfer efficiency.

As a result, most automatic machine manufacturers using medium fluid pressure atomization have adopted **Sames** AIRMIX® automatic guns because they are reliable, deliver outstanding finish quality and their simple construction minimizes the cost of servicing and down time.

The AVX automatic spray gun, mounted on a base, has a compact and lightweight design and simple construction with limited number of parts. Built with premium materials, this automatic sprayer is very reliable and brings reduced cost of ownership. The circulation can be done in the gun for quicker and better flushing with a limited volume of solvent sprayed into the machine or spray booth or in the base to reduce pressure loss in circulation systems.



## Technical data table

Designation	Value	Unit: metric (US)
Maximum Fluid Pressure	200 (2900)	bar (psi)
Recommended Fluid Pressure	20-200 (290-2900)	bar (psi)
Maximum Air Pressure	6 (87)	bar (psi)
Air Consumption	3 - 7.5 (1.77 - 4.41)	m3/h (cfm)
Transfer Efficiency	up to 86	%
Trigger Air Pressure	3 (43)	bar (psi)
Maximum Fluid Temperature	50 (122)	°C (°F)
Stainless Steel, PTFE Wetted Parts	♦	
Aluminum Body	♦	
Fluid Inlet	2x F 1/4 NPS (base) or 2xM1/2"JIC (fittings)	
Pilot Air Inlet	F 1/8 NPS (base) or FF4x6 (fittings)	
Atomizing Air Inlet	F 1/4 NPS (base) or M1/4 NPS (fittings)	
ATEX Certification	CE-UKCA II2G Ex h IIB T6 Gb X	



## Technologies



Airmix® spray technology



HVLP

## Performance

- 1 Dual spring mounted outside fluid passage allows you to open air before atomizing fluid for better spray fan quality
- 2 VX24 (adjustable spray) or VX124 (fixed spray) and a wide offering of fine finish and Xtra™ fine finish spray tips
- 3 Optional fan air remote control
- ♦ Extreme film build accuracy and tolerance
- ♦ Compatible with a wide range of products (solvent-based and water-based)

## Productivity

- 4 Easy assembly and disassembly - (4 bolts) for easy servicing
- ♦ Circulation in the base allows less pressure loss in circulation system
- ♦ Circulation in the gun offers a quicker and better flushing with limited volume of solvent sprayed into the machine or spray booth

## Sustainability

- 5 Wetted parts are stainless steel, treated stainless steel and rulon for better durability
- ♦ Extended lifetime with most coatings thanks to the stainless steel design

2% according to EN 13966-1 norm



## Description

