

# DEVILBISS COBRA 3C

## Low Pressure Automatic Spray Gun

DEVILBISS®

The DeVilbiss Cobra 3c automatic spray gun is the ideal solution for spraying camera, computer and mobile phone components and many other products.



Cobra 3c is an automatic low pressure air spray gun (constant air bleed) for the application of solvent and water based paints for use on automatic reciprocator, rotary and robotic painting machines.

The gun utilises the world renowned DeVilbiss Trans-Tech or HVLP atomisation technology with hardened fluid tips and needles as standard, to provide excellent paint compatibility on a wide variety of applications. All fluid passageways in the gun are constructed from high grade stainless steel and the gun uses a micrometer needle adjustment knob for fine and accurate fluid flow control.

The gun requires remotely positioned air valves (not supplied with the gun) to control the air supply for gun triggering, atomisation and fan size adjustment.

### Typical Applications

- Rotary spraying machines
- Reciprocators
- Robotic applicators
- Other automatic spraying machines.

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Stainless Steel fluid passageways, sprays water-based and solvent-based paints

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Micrometer needle adjustment for fine and accurate fluid flow control

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Small, compact gun size weighing just 496g, easy maintenance and dis-assembly

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Gun supplied with air and fluid hose fittings. Gun Mounting via 8.2mm round bar (option)

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Wide range of proven air caps and fluid tips with hardened tips and needles as standard

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Independent fan, atomising and operating air ideal for robot and machine applications.

**COBRA 3C**  
by DEVILBISS.

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- Fast maintenance and serviceability
- Quick easy cleaning of external parts and internal passageways
- Air cap indexing for consistent application repeatability (option)
- Fast on/off operation of fluid needle
- Independent fan, atomising and triggering air for total machine compatibility.



**Air Cap and Fluid Tip options and part numbers:**

Air Cap Type	Part No.	Technology	Air Cap Code
590	SP-100-590-ADV-K	Trans-Tech	COM 590
590 HV	SP-100-590HV-ADV-K	HVLP	590 HV

Fluid Nozzle Size mm	Hardened Fluid Nozzle	Hardened Fluid Needle	Number on Fluid Needle
0.7	SP-259N-07-K	SPA-353-07-K	3C 07
0.85	SP-259N-085-K	SPA-353-085-K	3C 085
1.0	SP-259N-10-K	SPA-353-10-K	3C 10

**Product part number example CBA3C-590HV-10N means:**

- CBA3C = Cobra 3c Automatic Gun
- 590HV = Air Cap type
- 10 = 1.0mm fluid tip diameter
- N = Hardened fluid tip and needle

*Cobra 3c automatic spray guns include air and fluid inlet connections*



**Specification**

	Thread	Pressure
Fluid inlet and fluid recirculation	1/8 BSP Female	Max 15 bar / 218 psi
Air inlet Pattern + Length	1/8 BSP Female	Max 12 bar / 174 psi
Cylinder/trigger	1/8 BSP Female	3.5 to 6 bar / 51 to 87 psi
Maximum temperature in use	40°C / 104°F	
Spray gun weight	496g / 17.5 oz	
<b>Materials of construction</b>		
Gun body / Manifold / Micrometer Assembly	303 Stainless steel, 6082 Aluminium Alloy	
Tip / Needle	Hardened 303 Stainless steel	
Fluid seals	Viton Extreme, Polyethylene	

**For more technical information refer to the DeVilbiss Cobra 3c Service Bulletin.**

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