

DEVILBISS ADVANCE *HD*

Gravity gun with pressure assisted cup

DeVilbiss Advance *HD* pressure assist gravity cup system is perfect for the application of heavily bodied thixotropic materials.



DEVILBISS®



DeVilbiss Advance *HD* pressure assist spray guns are available in both Compliant and Conventional atomisation technologies.

DeVilbiss expertise and performance is unequalled at work. The Advance *HD* spray gun high performance is achieved with the latest design technology utilising high capacity air passages with a separate “balanced” air valve to provide an unrestricted flow of compressed air through the gun body.

This “free breathing” air movement enables the precision-engineered air caps and fluid tips to produce superior atomisation with consistent even distribution throughout the spray pattern.

Advance *HD* is precision built using the best materials and component parts for a guaranteed, reliable, long and durable working life in all industrial markets.

Faster application rates of high viscosity materials

Robust, Lightweight and work friendly design for **High Demand** outputs

Renowned DeVilbiss Atomisation Quality

Conventional and Compliant spray guns

Contoured handle design – Greatly reduces RSi and operator fatigue

Stainless Steel tips, needles and fluid passageways handle Solvent and Waterbased materials

Polyester gravity cup for all types of materials.

Technology Led Innovation

DeVilbiss Advance *HD* spray guns are high performing Compliant and Conventional air atomising guns suitable for most industrial spray finishing applications. The guns can be used with virtually all industrial solvent and water based paints, coatings, lubricants, dyes, stains, varnishes, lacquers and adhesives.

Advance
HD
by DEVILBISS®

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DeVilbiss Advance HD pressure assist gravity cup system is perfect for the application of heavy bodied thixotropic materials.

This Advance HD spray gun is a professional quality gun designed for both Compliant OR Conventional spray technology, and is equipped with a pressurised cup to improve fluid flow with high viscosity materials.

Part number examples: The ordering code for the Advance HD Pressure assist spray gun is; e.g. ADV-GP510-14. means

ADV-GP = Advance gravity/pressure cup gun with 510+ Air cap and 1.4mm Tip

NOTE: The polyester gravity cup is pressure fed to a maximum working pressure of 0.3 bar (4.5 psi). The Pressure Equipment Directive (PED) 97/23/EC applies to equipment with a maximum working pressure of 0.5 bar (7 psi) or above. Therefore this equipment is exempt from the PED.



Specifications and Technical Data	
Air Supply Connection	Universal 1/4" BSP and 1/4" NPS male
Maximum Static Air Inlet Pressure	P1 = 12 bar (175 psi)
Fluid Supply Connection	3/8" BSP
Service Temperature	0 to 40°C (32 to 104°F)
Gun Weight (gun only)	480g
(with cup)	685g

Air Cap Number and Type	Air consumption	Air inlet pressure bar (psi) recommended	*Typical Fluid Flow ml	*Typical Fan Pattern size mm
No. 510 Trans-Tech	283 l/min (10 scfm)	2 bar (29 psi)	160-220	270
No. 513 Trans-Tech	394 l/min (14.1 scfm)	2 bar (29 psi)	200-800	350
No. 520 Trans-Tech	283 l/min (10 scfm)	2 bar (29 psi)	150-250	280
No. 430 Conventional	339 l/min (12 scfm)	3.5 bar (50 psi)	200-280	200
No. 443 Conventional	345 l/min (12.3 scfm)	3 bar (45 psi)	200-300	300

*Fluid tip range 1.3, 1.4, 1.6, 1.8, 2.0 & 2.2mm.

For further technical information refer to the Advance Pressure Assist gun service bulletins

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