

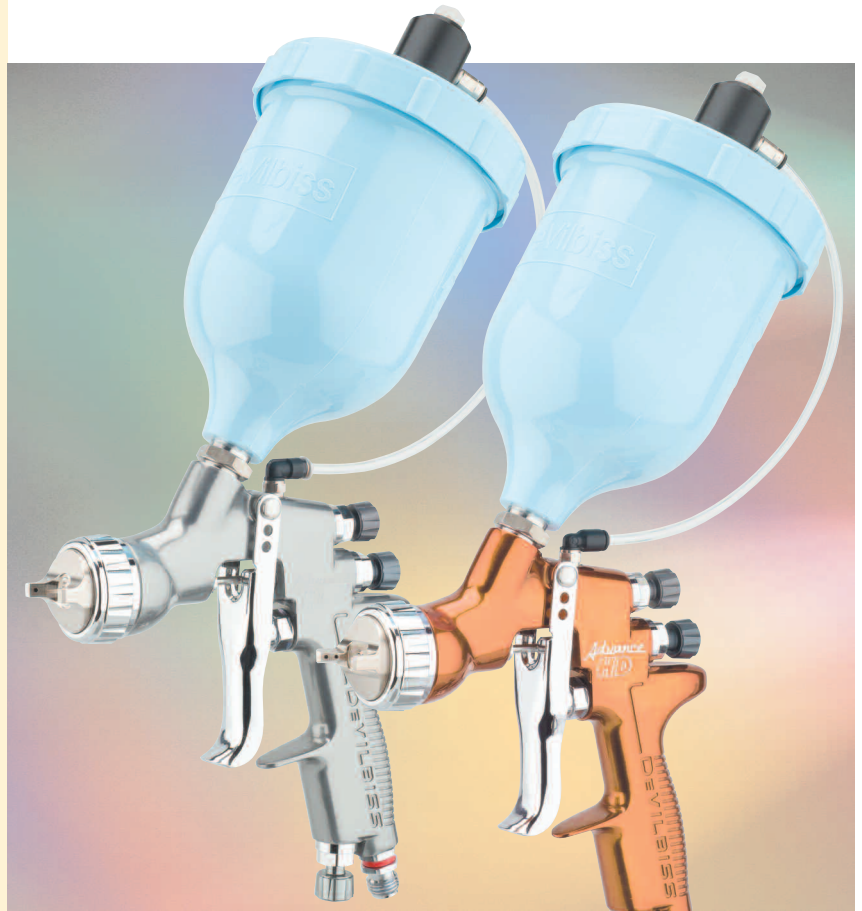
DeVilbiss Advance HD pressure assist gravity cup system is perfect for the application of heavily bodied thixotropic materials.

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.

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 gravity gun with pressure assisted cup

- 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 & Waterbased materials
- Polyester gravity cup for all types of materials.

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.



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.

Part number examples: The ordering code for the **Advance HD Pressure assist spray gun is;**
 e.g. ADV-GP510-13. means ADV-GP = Advance gravity/pressure cup gun with 510+ Air cap & 1.3mm Tip

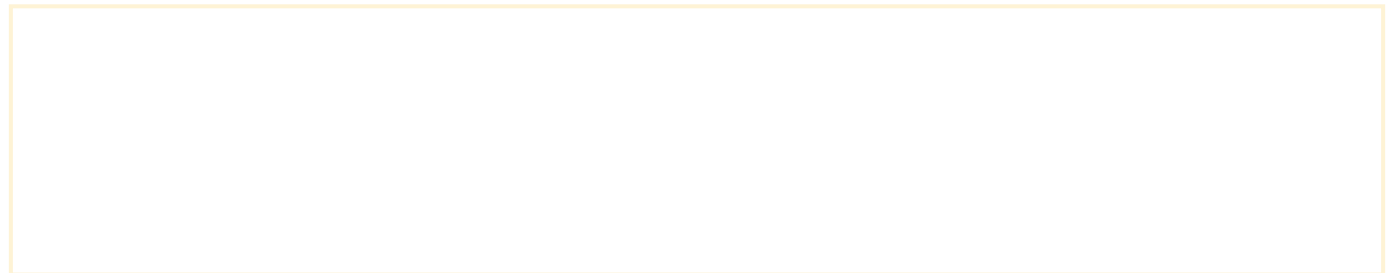
Specifications & Technical Data

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)	482g
(with cup)	665g

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 Trans-Tech	339 l/min (12 scfm)	3.5 bar (50 psi)	200-280	200
No. 443 Trans-Tech	345 l/min (12.3 scfm)	3 bar (45 psi)	200-300	300

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

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



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