

DeVilbiss spray guns have *Advanced* again with the introduction of a new conventional spray gun range suitable for all Industrial spray applications.

The DeVilbiss Advance *HD* (High Demand) spray guns are available in Pressure, Suction and Gravity feed formats and a wide range of conventional technology Air Caps provide exceptional atomisation for coating wood, metal, plastic, ceramic and composite substrates with most types of solvent, waterborne, high solids and 2K materials.

DeVilbiss outperforms the rest.

Advance *HD*'s unique high capacity airflow and outstanding atomisation characteristics are combined with a separate "balanced" air valve to provide an unrestricted flow of compressed air through the gun body, this coupled with light, feel right comfort is an unbeatable combination. Advance spray guns are ideal for small operations or high volume spraying, with the added bonus of instantly improved finishing productivity.

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



Advance
HD
by **DEVILBISS®**

The all purpose mid sized Conventional spray gun range

- Wide range of conventional atomisation air caps provide a superior sprayed finish
- Robust, Lightweight and work friendly design for **High Demand** outputs
- Stainless Steel tips, needles and fluid passageways as standard
- Contoured handle design – Greatly reduces RSi and operator fatigue
- CE marked and fully ATEX approved



Advance *HD*'s unrivalled spray performance is achieved with the utilisation of the very latest "cutting edge" atomisation technology. Advance has a wide range of high-grade Stainless Steel Fluid Tips and Needles, matched with Conventional Air Caps, manufactured from Plated Hard Brass for a long and durable working life. Select your Advance spray gun preference and nozzle combination's from the charts below to provide the Optimum performance for your individual spray process.

Example of Advance *HD* spray gun part numbering:- ADV-P430-14 means...

ADV = Advance gun / P = Pressure / 430 = Conventional Air Cap / 14 = 1.4mm Fluid tip and needle.

Advance *HD* spray guns kits are packaged as:- Pressure gun only, Suction gun with 1 litre cup and Gravity feed kits inc. 568 ml standard gravity cup.



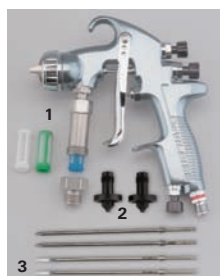
Suction cup
pt. no. KR-566-1-B



Gravity cup
pt. no. GFC 501



Gravity cup (Blue polyester)
pt. no. GFC 511 for difficult fluids.



Optional accessories

1. VSA-512 St/St Fluid Filter Kit (inc. 3 elements)
2. Tungsten Carbide and Hardened Tips/Needles (for use on abrasive materials)
3. Nylon Tipped Needle.

| Air Cap Number and Type | Air Consumption | Air Inlet Pressure Bar (psi) recommended | *Typical Fluid Flow ml | *Typical Fan Pattern size mm |
|-------------------------|-----------------------|------------------------------------------|------------------------|------------------------------|
| 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 |
| No. 462 Conventional | 380 l/min (13.5 scfm) | 3 bar (45 psi) | 500-3000† | 450† |
| No. 470 Conventional | 465 l/min (16.4 scfm) | 3 bar (45 psi) | 500-1800† | 420† |
| No. 477 Conventional | 480 l/min (17 scfm) | 3 bar (45 psi) | 200-800 | 430 |
| No. 497 Conventional | 510 l/min (18 scfm) | 3.5 bar (50 psi) | 200-600 | 380 |

All illustrated flow rates and fan sizes may vary according to paint/material viscosity and pressures used.

† = ceramic material

Tip and Cap Chart

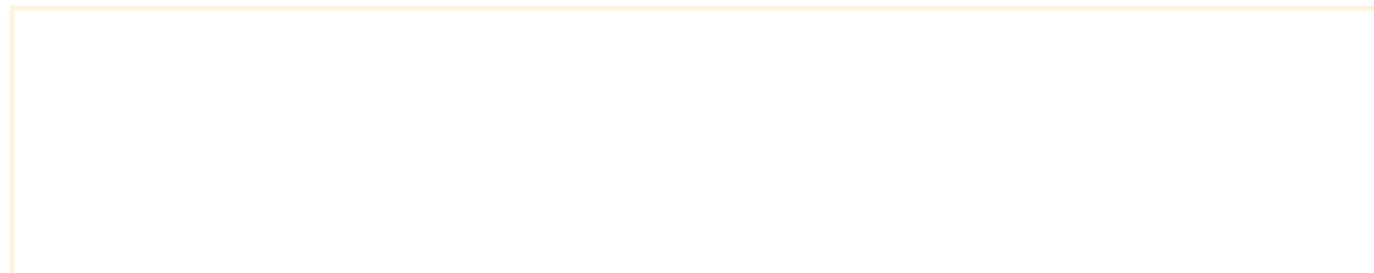
| Air Cap No. | Technology | 0.85 mm | 1.0 mm | 1.2 mm | 1.3 mm | 1.4* mm | 1.6 mm | 1.8* mm | 2.0 mm | 2.2* mm | 2.8* mm |
|-------------|--------------|---------|--------|--------|--------|---------|--------|---------|--------|---------|---------|
| 430 | Conventional | P | P | P | P G | P | P G S | P G S | P G S | P S | |
| 443 | Conventional | P | P | P | P G | P | P G S | P G S | P G S | P S | |
| 462 | Conventional | | | | | | | | | P† | P† |
| 470 | Conventional | | | | | | | | | P† | P† |
| 477 | Conventional | P | P | P | P | P | P | P | P | P | |
| 497 | Conventional | P | P | P | P | P | P | P | P | P | |

P = Pressure **G** = Gravity **S** = Suction * Hardened and tungsten carbide tips and needles are available in these sizes.

Spray gun inlet thread sizes & type:-

Air Connection 1/4" (m) Universal Thread size, accepts BSP and/or NPS connectors.
Fluid Connection 3/8" (m) Universal Thread size, accepts BSP and/or NPS connectors.

For further technical information please refer to the Advance *HD* Service Bulletin



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