

GTI BY DEVILBISS

High
Performance
Compliant
Spray
Guns





The evolution of a thoroughbred.

For every finishing application the GTi spray gun range is the first choice amongst sprayers. DeVilbiss GTi spray guns are faster, lighter, handle perfectly and produce the legendary gun finish that is synonymous with DeVilbiss spray guns.

The GTi range delivers what professional finishers really want, the fit and feel of the legendary JGA with a level of performance that leaves every model in its class standing. Beneath the familiar exterior is the very latest in air management and atomisation technology, developed using the world's most advanced techniques in Computational Fluid Dynamics.

The GTi is all about ultimate performance, yet is totally EPA compliant. DeVilbiss has reduced the weight of the gun considerably, while the delicate balance has been retained to ensure perfect handling. Using the GTi, you can maintain the highest speed and finish quality, all day every day.

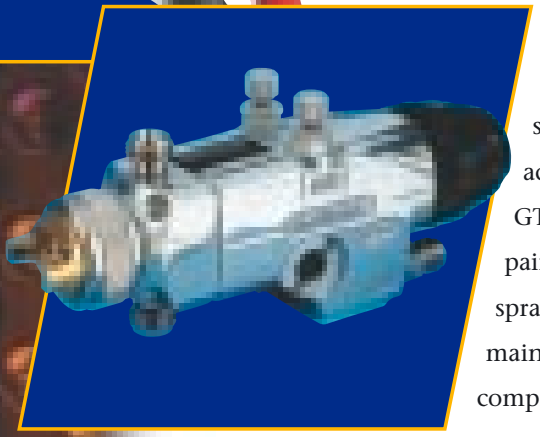


Engineering Excellence

■ Leading edge computational fluid dynamics (CFD) employed by DeVilbiss and the use of state-of-the-art, automated precision engineering has enabled the company to produce a fully compliant, high transfer efficiency spray gun with all the attributes of the renowned JGA and GFG but it's lighter, smoother and virtually maintenance free.

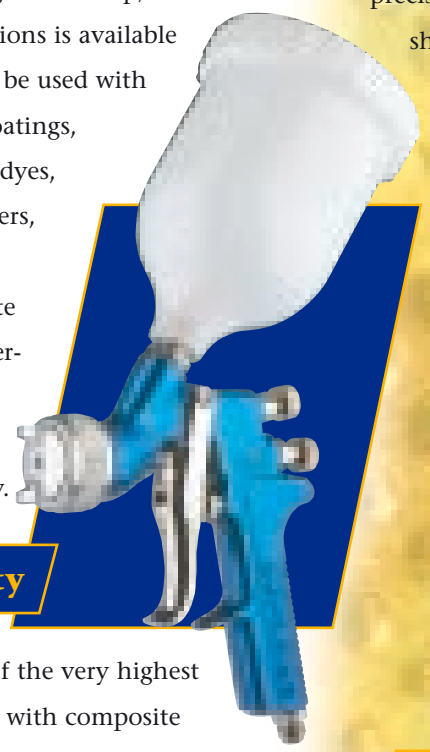
Manual & Automatic guns

■ Our GTi world beating technology is also available for automatic spraying. The DeVilbiss Compliant GTi-A is a high performance automatic spray gun suitable for most liquid spray finishing and surface coating applications. An extensive range of Air Cap, Fluid Tip and Needle combinations is available



to enable the gun to be used with virtually all paints, coatings, foodstuffs, lubricants, dyes, stains, varnishes, lacquers, adhesives and glaze.

GTi-A provides immediate paint savings, reduces over-spray and therefore booth maintenance without compromising finish quality.



Incredible Reliability

■ The GTi guns are constructed of the very highest grade alloys and stainless steels with composite mouldings to ensure smooth operation as well as high impact resistance. Every single component within the GTi spray gun is quality controlled and machined parts are checked to exacting tolerances.

■ The GTi spray gun is a perfect example of DeVilbiss's engineering expertise as the gun's exceptional performance relies on translating the results from CFD research into reality.

CFD and precision engineering is the key to producing the superior atomisation performance required to maintain the highest transfer efficiency and a superb ex-gun finish.



■ Employing laser particle analysis techniques, DeVilbiss can accurately measure the individual particle size and the precise distribution of the particles across the entire spray pattern. This data provides the necessary information for the DeVilbiss engineers to create extremely accurate profiling of the sprayhead. This also enables precise control and positioning of the shaping and atomising air flows.

Optimum Performance

■ The real measure of the GTi's performance is its transfer efficiency, the all-important ratio of the paint adhering to the surface of the item being sprayed, compared with the amount of paint flowing through the gun. DeVilbiss employed advanced robotics in the testing of the GTi and it played a key part in DeVilbiss achieving the GTi's high transfer efficiency without compromising finish quality and speed.



Available as an optional extra for all GTi guns is an air flow control valve (part no. GTi-415), easily fitted to the base of the handle to provide pressure control at the job.



GTi - Aircap / Fluid tip combinations



GTi PERFORMANCE OPTIONS

HAND GUN - PRESSURE	
FLUID TIP SIZE & CODE	AIR CAP
0.85	
1.0	
1.1	105*
1.2	
1.4	110
† 1.6	122
† 1.8	123
† 2.0	
† 2.2	

AUTO GUN - PRESSURE	
FLUID TIP SIZE & CODE	AIR CAP
0.85	
1.0	
1.1	105*
1.2	
1.4	110
† 1.6	122
† 1.8	123
† 2.0	
† 2.2	

HAND GUN - SUCTION	
FLUID TIP SIZE & CODE	AIR CAP
† 1.6	105*
† 1.8	
† 2.0	110
† 2.2	

HAND GUN - GRAVITY	
FLUID TIP SIZE & CODE	AIR CAP
1.4	
† 1.6	105*
† 1.8	
† 2.0	110
† 2.2	

These tables show ideal cap to tip combinations, however all air caps & tips are interchangeable.

† High flow fluid tips, part number GTi-214-xx must be used with GTi-420 needle, smaller tips remain as GTi-213-xx part numbers and operate with the original GTi-413-K fluid needles.

The 105* air cap utilises HVLP technology and operates at 10psi max air pressure at the air cap. 110 / 122 & 123 are compliant technology air caps.

Air Cap Number	Air Consumption	Air Inlet Pressure	Material flow	Normal fan width
Air cap 105*	453 (16)	@ 29 psi inlet	up to 250 c/c	330mm
Air cap 110	269 (9-5)	@ 29 psi inlet	up to 250 c/c	330mm
Air cap 122	453 (16)	@ 43 psi inlet	up to 500 c/c	340mm
Air cap 123	453 (16)	@ 43 psi inlet	up to 600 c/c	340mm

The material fluid flow & pattern sizes shown are approximate & will vary according to material type & viscosity.

AIR CONSUMPTION

Figures show air consumption in Litres per min, figures in brackets are CFM - cubic feet per minute.

All the above spray patterns were recorded at a gun to target distance of 178mm (7 ")

For further technical details please refer to the appropriate spraygun operation manual.

GTi SPECIFICATIONS

	PRESSURE	SUCTION	GRAVITY
Air Inlet	1/4"	1/4"	1/4"
Fluid Inlet	3/8"	3/8"	N/A
Weight	530 gms	970 gms #	650 gms #

weight with cup

GTi PART NUMBERING EXAMPLE

GTi - P122B-14 means:

- GTi = gun
- P = Pressure
- 122 = Air cap
- B = Blue gun body
- 14 = 1.4mm Fluid Tip

The full range of GTi tip/air cap / needle options are detailed in the current DeVilbiss Industrial price list.

APPROVED DISTRIBUTOR

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