



DEVILBISS
AUTOMOTIVE REFINISHING



devilbissdv1.com



If the DVI looks different, that's because it is. Very different, in fact. Everything about the gun indicates that it's not just a progression – it's a revolution. Everything is new. New ergonomics. New air cap design. New fluid tip technology. Advanced co-axial air valve design. And not forgetting the advanced atomisation technology that sets a new precedent in performance and control.

No other DeVilbiss gun is built like it. Redesigned from the ground up. Precision engineered. The technicians in our Atomisation Centre of Excellence (who we call the ACE Team), threw out the rule book on this one. This is the spray gun for the professional refinisher who demands maximum speed, ultimate finish quality, pinpoint colour accuracy and the lowest possible energy and material consumption.

It's time to let your talent shine. To show your true colours.

A handwritten signature in white ink, appearing to read 'SDAVIES', is positioned above the name and title of the Global Atomisation Manager.

Simon Davies
Global Atomisation Manager





STIR

OF GENIUS

The word genius is overused. Thrown around carelessly. Used to describe any achievement most would consider just great. Genius isn't something that happens overnight.

Far from it. We've been investing in the science of atomisation since 1888, and in that time we've made some major advancements. Gigantic, in fact. And now our persistence, experience, dedication and talent has helped us create a real game changer. A spray gun with superior performance and efficiency – a real stroke of genius.

OKE



FLUID TIP DYNAMICS

We've completely re-engineered the fluid tip design for the DV1 using our unique Laminar Flow Architecture™. The new range of fluid tips have been engineered to provide the smoothest path for fluid to travel resulting in faster application rates, more stable flow rates and consistent performance, particularly with the latest, very low viscosity materials.

The DeVilbiss engineers have stabilised the primary atomisation zone within the fluid tips and Laminar Flow Architecture™ technology significantly reduces the turbulent energy that can be found within the tips. What does this mean to you? Improved efficiency, a reduction in material consumption and even more control over application regardless of paint brand and climatic conditions.

Find out more at:
devilbissdv1.com

ERGONOMICS

The fit and feel of DeVilbiss spray guns are legendary. The DV1 employs the latest generation ergonomics and lightweight materials for maximum comfort and minimum fatigue - you don't have to work hard to work smart. Every part of the DV1 has been designed and engineered for maximum performance, comfort and usability and cleaning couldn't be easier with DV1's smooth, easy to clean lines.

SHOW YOUR TRUE COLOURS

*Where everyone else sees colour,
what do we see?*

We see character.

Artists who flow without fear.

Poets, who paint a thousand words.

*Magicians, who with every wave,
create magic.*

So, don't hide behind your masks.

Seek your glory.

Stand up and spray it out loud.

Find your own flow.

For you are the controllers of chaos.

The masters of matching tones.

Keep pushing for perfection.

Be bright. Be bold.

Let your talent shine through.

*Because a beautiful finish,
shows true depth.*





THE AIR CAP

Precision engineered in solid brass, even the air cap has undergone a technical revolution. Precision drilling and advanced Air Management Kinetics™ have taken atomisation performance to a new level, whilst significantly reducing noise. The cap also features a fast action thread ensuring rapid removal and replacement.

ATOMISATION

Professional automotive refinishers know that the key to performance in any spray gun is what's known as "the front end". The fluid tip and needle and of course, the all important air cap. With the DV1 we've achieved world-beating atomisation with high application speeds, at lower air pressures.

We've learnt how to control the chaotic event that occurs every time the trigger is pulled. The result is superior atomisation performance, by maintaining a consistent particle size throughout the spray pattern, ensuring accurate colour reproduction and flake lay, even with the notoriously difficult, highly pigmented silver basecoats. This means you get the job right first time, every time - reducing material consumption and maximising your earnings potential.

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99% INSPIRATION

Improving the gun's ergonomics ensures the DVI feels natural, like an extension of your arm, making it easier to move around with. To go with your own flow. After all, it's the car that should be glistening, not your forehead.

Clever design makes the DVI simple to use, but also easier to clean. That's because it was designed by the people who know best. Spray gun engineers. We've been there, done it. We know what's important in a gun.

Take for example, the air control valve. For the first time ever, we've combined it with the air inlet. This gives you a more consistent air flow, but it also makes the gun lighter and easier to clean, as there's one less part.

The components are quick to remove and low maintenance, which results in time savings. Critical in business. And what's more, they're tough. Everything's made to last. Even down to the PTFE coated springs. So, there's no need to keep changing parts. You can focus on the job in hand.

1% PERSPIRATION





TRIGGER EMOTION

NOISE

Less noise for your comfort, especially for the longer project.

PARTICLE SIZE

Consistently achieves a narrow colour window for the closest colour matching.

TURBULENCE CONTROL

New advanced fluid tip design reduces turbulence, minimising mottling/clouding.

OPERATOR CONTROL

A new combined air inlet and air control valve with 12 x higher precision sensitivity for smoother air control.

TRANSFER EFFICIENCY

Reduced air pressure resulting in improved spray pattern control, atomisation consistency and improved transfer efficiency.

CONSISTENT ATOMISATION

The DVI air caps, with advanced internal geometry, result in a perfectly balanced, consistent spray pattern for a perfect finish.

DV1 BASECOAT GRAVITY FEED SPRAY GUN

SPECIFICATION

DV1-B+ 'HVLV Plus' Air Cap

Air Inlet Pressure	2.00 Bar inlet (29psi)
Air Consumption	300 L/min (10.6cfm)
Spray Pattern Length	325mm @ 200mm target
Fluid Flow	140-190 g/min

DV1-B HVLV Air Cap

Air Inlet Pressure	2.00 Bar inlet (29psi)
Air Consumption (2 bar)	395 L/min (13.9cfm)
Spray Pattern Length	330mm @ 200mm target
Fluid Flow	130-180 g/min

General

Air Inlet Thread	¼" Universal
Cup Capacity	560 mls
Weight (gun only)	470 gms
Air Cap	Plated brass
Air Cap Retaining Ring	Black Anodised Aluminium
Fluid Tip	Stainless steel
Fluid Needle	Stainless steel

AIR CAPS

The DV1 is available with a choice of two advanced air caps – The DV1-B and DV1-B+. These new HVLV and HVLV 'Plus' air caps represent the next generation of atomisation performance.

For typical HVLV applications the DV1-B is the perfect choice, delivering atomisation like no other DeVilbiss air cap. For high efficiency air cap performance at low pressure the DV1-B+ delivers performance equivalent to today's 'High Efficiency' air caps.

With the introduction of DeVilbiss Air Management Kinetics™ the smooth laminar path the air travels in allows you to spray at lower air pressures providing higher transfer efficiencies, reducing material consumption and with no loss in performance.

FLUID TIPS

Three fluid tips, available in 1.1, 1.2 and 1.3, complete the picture giving you total control in all climatic conditions. With the addition of DeVilbiss Laminar Flow Technology™ all three fluid tips give you a more stable fluid flow allowing for better colour reproduction. Combine this with the new high performance air caps – air turbulence is reduced giving a more even atomisation through the fan pattern, which in turn allows for better control, reducing the mottling/clouding effect.

Carlisle Fluid Technologies

16430 N Scottsdale Road,
Suite 450, Scottsdale, AZ, 85254

Carlisle Fluid Technologies UK Ltd

Ringwood Road, Bournemouth,
Dorset, BH11 9LH



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