Welcome to the next generation spray gun.

The new front end of the DV1 features an improved Air and Fluid Management Architecture to create superior atomization performance and to meet the requirements of spraying the most challenging basecoats on the market today. The DV1 produces a perfectly balanced and consistent spray pattern to achieve precise color matches, seamless transitions and blends and remarkably smooth finishes – as well as superlative metallic orientation and control.

Precision Digital Gauge

The DV1 is equipped with an integrated digital gauge to provide precise inlet pressures for optimal gun performance and perfect color matching. The gauge is designed and placed in-line at eye-level for quick, easy checking – keeping it out of the way where it won't be covered by the painter's hand.

Simplified Air Valve

The newly designed air valve cartridge features a True-Balance design to maximize fluid needle alignment, minimize component wear and maximize durability. Plus, this new design allows for easier removal and serviceability.

Next Generation Gun Body

The DV1 gun body features a reduced profile and a smoother, streamlined design to create a well-balanced gun with the right feel in the painter's hand. Painters will get a sense of more control, and experience less fatigue, with a spray gun that is also easier to clean.

Reconfigured Air Adjusting Valve

The DV1 combines the air inlet and the air-adjusting valve into a single "co-axial" component and places it in an ergonomic location that is more comfortable to use. The air-adjusting valve also features 12x sensitivity for precise air control adjustments and smoother air flow through the spray gun.

Models Include:

- DV1 Basecoat Spray Gun
- DV1-B PLUS HVLP Air Cap
- Multiple Fluid Tips
- Integrated Digital Gauge
- Tool Kit: Valve Tool, Torx Driver and Tip Wrench



Quick Release Air Cap

The hard-anodized air cap retaining ring features a quick release thread, requiring less than a full-turn rotation for fast and easy air cap removal. Painters will experience quick and easy changes of the air cap and access to the fluid tip.

Revolutionary Air Cap

The new DV1-B PLUS air cap represents the next generation of atomization performance. This new HLVP air cap delivers high efficiency performance but at HVLP pressures, producing a smooth, fine finish even with the most stubborn basecoats. The DV1-B PLUS air cap is suitable for both water-based and solvent-based materials.

Innovative Fluid Tip Design

The DV1 features an overhauled fluid tip design, replicated through an expanded fluid tip size range, to tackle a broad range of coating types and flow rates in all climatic conditions. This new design dramatically increases the air velocity at the tip, while maximizing fluid suction through the gun, yielding an increased and more stable fluid flow for better color reproduction – particularly with the latest, low viscosity basecoats.

Redesigned Trigger

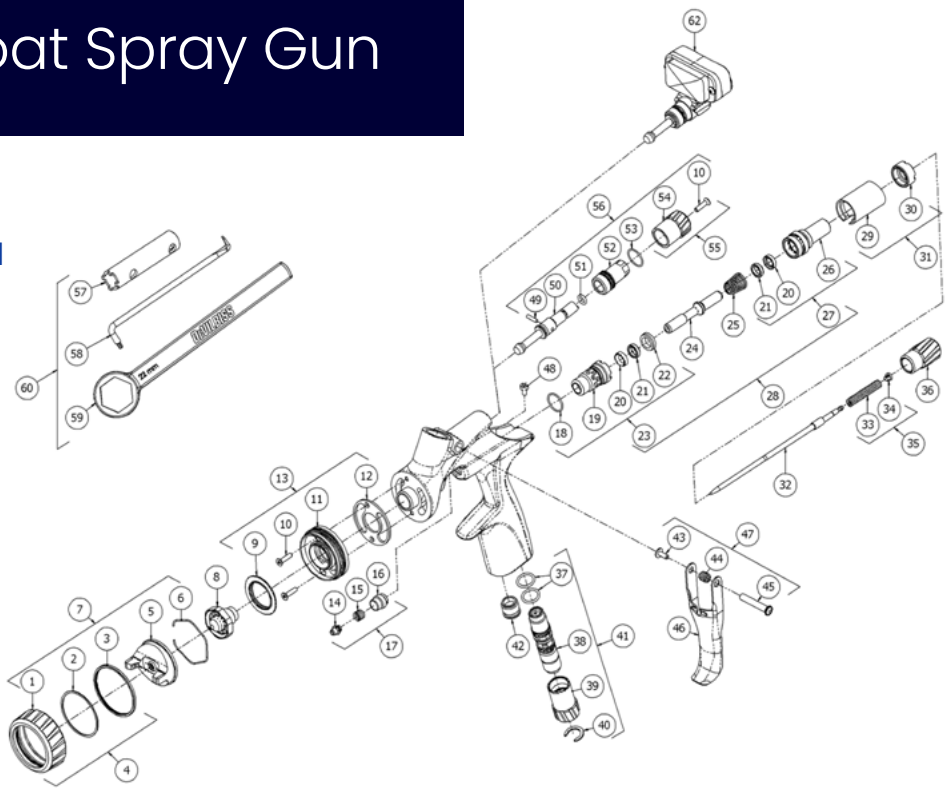
The DV1 features an innovative trigger design to remove sideways and rotary play from the trigger action, while maintaining the signature DeVilbiss fit and feel. Painters will enjoy a silent-action trigger with an exceptionally smooth, soft pull.

DV1 Basecoat Spray Gun

ORDER NO.	AIR CAP	NEEDLE/NOZZLE	CUP TYPE
704504 DV1-B PLUS Basecoat (HVLP)	DV1-B PLUS	1.2mm, 1.3mm, 1.4mm	Uncupped, includes DPC adapter

DV1 Basecoat Spray Gun

DV1 BASECOAT SPRAY GUN SYSTEM COMPONENTS & ORDER NUMBERS



PARTS LISTING

IMAGE REFERENCE	PART NUMBER	DESCRIPTION	QTY
1	-	Retaining Ring	1
2	-	Slip Ring	1
3	-	Retaining Ring Seal	1
4	704425	Retaining Ring Sub Assembly	1
5	-	Air Cap	1
6	191972	Spring Clip (Kit of 10)	1
7	See Table 1	Air Cap & Retaining Ring	1
8	See Table 2	Fluid Tip	1
9	704402	Deflector Plate	1
10+	704403	Screw (Kit of 3)	3
11	-	Sprayhead	1
12+	704401	Gasket (Kit of 2)	1
13	704400	Spray Head Kit	1
14	-	Needle Packing	1
15	-	Packing Spring	1
16	-	Packing Nut	1
17+	702731	Packing, Spring & Packing Nut Kit	1
18	-	O Ring	1
19	-	Air Valve Cage	1
20	-	Seal	2
21*	-	Seal Guide	2
22*	-	Valve Seat	1
23#	704422	Front Cage Assembly	1
24	-	Air Valve Stem	1
25#	-	Air Valve Spring	1
26	-	Rear Seal Housing	1
27	704423	Rear Seal Assembly	1
28+	704424	Air Valve Assembly	1
29	-	Identification Sleeve	1
30	-	Sleeve Nut	1
31	704428	Sleeve Kit	1

PARTS LISTING

IMAGE REFERENCE	PART NUMBER	DESCRIPTION	QTY
32	See Table 3	Fluid Needle	1
33	-	Needle Spring	1
34	-	Spring Pad	1
35#+	704405	Needle Spring Kit	1
36	704404	Fluid Adjusting Knob	1
37	-	O Ring	2
38	-	Flow Valve Body	1
39	-	Flow Valve Knob	1
40	-	Circlip	1
41	704417	Inline Flow Valve	1
42	-	Plug	1
43	-	Trigger Screw	1
44	-	Spring	1
45	-	Trigger Stud	1
46	-	Trigger	1
47	704406	Trigger, Stud, Spring & Screw Kit	1
48	-	Screw	1
49#+	-	Spreader Valve Pin	1
50	-	Spreader Valve Stem	1
51#+	-	O Ring	1
52	-	Valve Body	1
53#+	-	O Ring	1
54	-	Spreader Valve Adjusting Knob	1
55	704419	Spreader Knob Kit (Not For Use With Digital Gauge)	1
56	704418	Spreader Valve Assembly (Not For Use With Digital Gauge)	1
57	-	Valve Tool	1
58	-	Torx Driver	1
59	-	Tip Wrench	1
60	704429	Tool Kit	1

PARTS LISTING

Gauges		
61	704426	Atex Approved (EU) Digital Pressure Gauge (bar)
	704427	FM Approved (US, Canada) Digital Pressure Gauge (psi)
Service Parts		
	704430	Minor Service Kit Includes Items Marked #
	704431	Major Service Kit Includes Items Marked +

TABLE 1: DV1 AIR CAP PERFORMANCE GUIDE

Part Number	Air Cap & Type		Recommended Air Inlet Pressure At Digital Gauge (with gun fully triggered)	Air Consumption	Typical Fan Pattern Size
704407	DV1-B	HVLP	1.0 bar [15 psi]	400 L/min [14.1 scfm]	325 mm [12.8 in]
704408	DV1-B PLUS	HVLP	1.5 bar [22 psi]	300 L/min [10.5 scfm]	330 mm [13 in]

TABLE 2: DV1 FLUID TIPS & NEEDLES

FLUID TIP			NEEDLE	
PART NUMBER	FLUID TIP SIZE	MARKING	PART NUMBER	MARKING
704409	0.9	DV1-0.9 B		
704410	1.0	DV1-1.0 B		
704411	1.1	DV1-1.1 B		
704412	1.2	DV1-1.2 B	704416	DV1-300
704413	1.3	DV1-1.3 B		
704414	1.4	DV1-1.4 B		
704415	1.5	DV1-1.5 B		

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