



HVLP Air Spray Guns and Accessories

Air atomizing spray guns for high-quality industrial finishing.

Spray Guns • Air Caps • Fluid Tips and Needles • Paint Cups • Accessories

DEVILBISS
The Right Way To Finish™



Maximum Performer

Classic Series

Conventional Series

Accessories

Table of Contents

Maximum Performer HVLP Series

Features & Benefits	3
HVLP Technology.....	4
JGHV™ Standard-Size	5
MSV™ Mid-Size.....	6
EGHV™ Touch-Up.....	7
TGHV™ Detail/Touch-Up	8
AGXV™ Automatic.....	9

Classic HVLP Series

HVLP Features & Benefits	10
HVLP Technology.....	11
JGA-HVLP Pressure Feed	12
JGA-HVLP Suction Feed	13
GFG-HVLP Gravity Feed.....	14
HVLP Fluid Tips, Needles & Air Cap Test Kits	15
HVLP Air Cap & Tip Selection Chart	16,17

Conventional Series

Features & Benefits	18
Selection Guide	19
JGA Standard-Size.....	20
MSA Mid-Size	21
MBC-510 Manual	22
EGA Touch-Up.....	23
GFG Gravity Feed.....	24
AGX Automatic	25
AGF Compact Auto / DGD-515 Duster Gun	26
Selecting the Air Cap, Fluid Tip & Needle	27
Air Cap Selection Guide.....	28
Fluid Tip & Needle Selection Guide	29

Accessories

Pressure, Suction & Gravity Feed Cups.....	30,31
Air Control	32
Cleaners, Strainers & Connectors.....	33
Other Equipment.....	34
System Solutions.....	35

When you want the best, ask for it by name.

Since Dr. Allen DeVilbiss first invented more than 100 years ago, the company has continually refined and improved



the spray atomizer that bears his name the process.

Today, DeVilbiss still leads the industry in the development of high transfer efficiency atomization processes and technology. DeVilbiss' product innovations range from our spray gun to the superior atomization of our Maximum Performer HVLP technology and include our specialty tools and accessories to support all of your spray finishing operations.



The net result: practical solutions and a systems approach to today's spray finishing challenges.

In practice, this means we're your partner. We listen. We observe. And we work hard to determine the best solution for you, regardless of the market or application. From appliances, aerospace and automotive, to electronics, metal and wood, the experts at DeVilbiss know your business. And that means improved quality, enhanced performance and reduced costs for our customers.



Add to that our staff of experienced engineers and designers, knowledgeable technicians and responsive customer service professionals, and you've got the best in the industry.



So ask for it by name. Ask for DeVilbiss.

DEVILBISS
The Right Way To Finish™

Maximum Performer Features and Benefits

Durability

- 1 300-grade stainless steel fluid passages offer waterborne compatibility, corrosion resistance and protection from harsh, self-etching primers.
 - Dual-seal fluid inlet assures a positive seal.
- 2 Drop forged aluminum gun bodies are strong, durable and lightweight.
- 3 Lightweight and precision-balanced for operator comfort.
 - Maximum Performer spray guns are sized to fit both the operator and the application, with standard-size, mid-size and detail/touch-up models.

- 4 Replaceable anodized aluminum baffle with air cap retaining ring threads eliminates the need to replace the gun body should threads become damaged.
- 5 Redesigned trigger strike pad makes trigger action smoother and extends air valve life.
 - Cartridge-type air valve is designed for positive sealing and quick triggering action.
 - All gun components have been life cycle tested to ensure reliability in production environments.

Performance

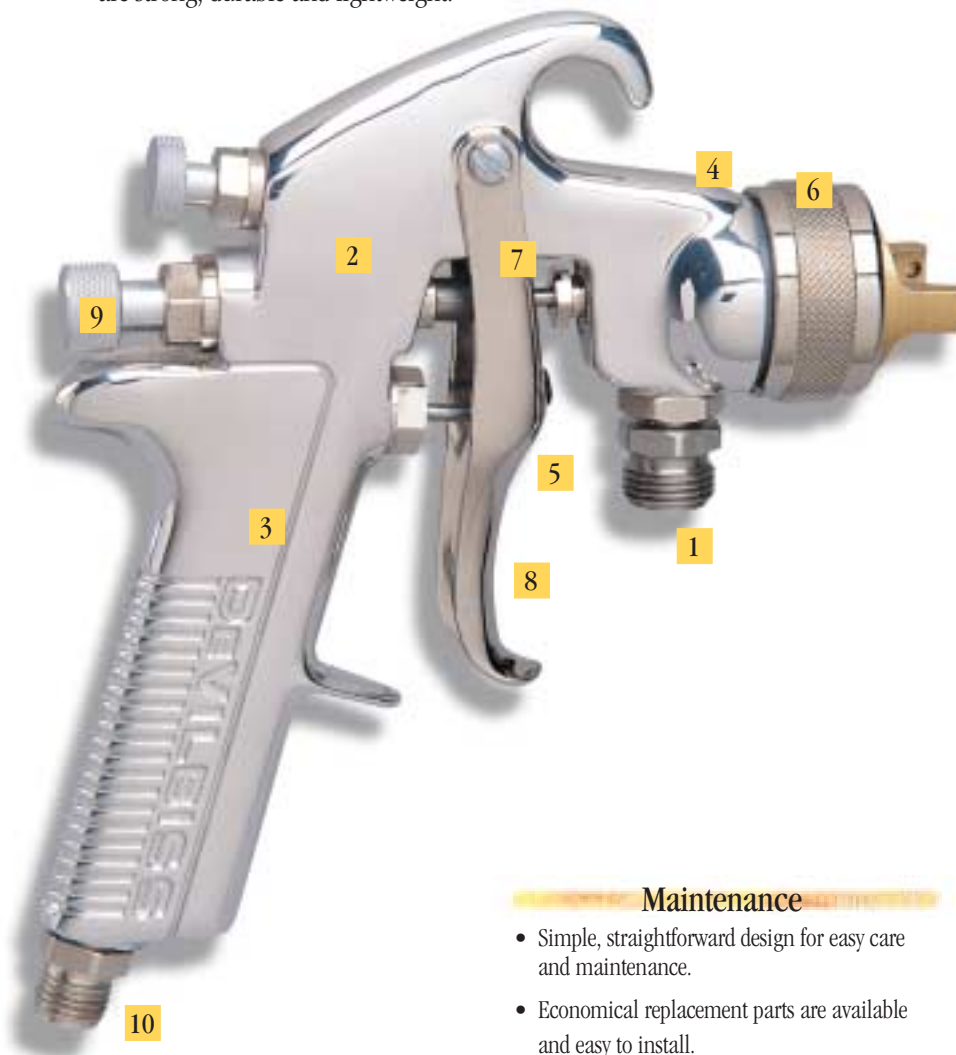
- 6 GoldMax™ air caps and special fluid tip, needle and baffle combinations provide unparalleled atomization.
 - Collectively, Maximum Performer spray guns can handle more than 90% of the materials and coatings being applied today, including higher solids materials and higher fluid flows.
- 7 Long-life needle packings require fewer adjustments.

Easy to Use

- 8 Light trigger action for easy operation and comfort.
- 9 Knurled knobs for easy adjustment of pattern and fluid flow.
- 10 1/4" air inlet connects to any standard compressor system.

Maintenance

- Simple, straightforward design for easy care and maintenance.
- Economical replacement parts are available and easy to install.



Maximum Performer HVLP Technology

The finest, most consistent atomization you can get.

The DeVilbiss Maximum Performer™ spray gun line provides HVLP finishing like you've never seen before.

And thanks to our exclusive GoldMax™ air caps, Maximum Performer spray guns deliver the finest, most consistent atomization, no matter what materials you spray - from low VOC enamels and polyurethanes to waterborne furniture and other topcoats.

The Maximum Performer HVLP gun family, designed to handle any application, includes:

- A standard-size manual spray gun designed to maintain the comfortable fit and feel operators prefer
- A lighter-weight mid-size model designed for reducing operator fatigue
- A gun designed for use with robots and automatic machines
- A comfortable and easy-to-control detail/touch-up spray gun

The DeVilbiss Maximum Performer line can collectively handle more than 90% of the coatings being applied today. In fact, your only alternative for similar performance is a costly electrostatic system.



MAXIMUM PERFORMER™

Reduce Operating Costs. Enhance Productivity.

High-volume low-pressure (HVLP) atomization uses a low-velocity air stream to deliver a more controlled spray pattern. As a result, there's improved transfer efficiency, less overspray and bounceback. That means a cleaner environment for the operator, with greater visibility and reduced operator error. It also means decreased paint consumption, which reduces spray booth maintenance, filter replacement, waste disposal and material costs.

The high transfer efficiency of HVLP also enhances productivity and finish quality. Because more paint is applied on each pass, fewer passes may be required by the operator.

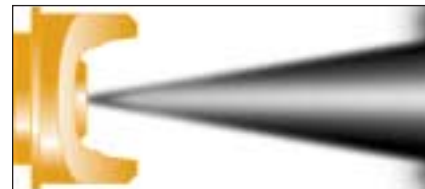
DeVilbiss' Maximum Performer technology has greatly improved the HVLP process. Fitted with our unique GoldMax™ air caps and special fluid tip, needle and baffle combinations, Maximum Performer spray guns offer unparalleled atomization of a wide range of coatings, including higher solids materials and higher fluid flows.

Maximum Performer HVLP spray guns also meet the legislated VOC requirements of the California South Coast Air Quality Management District.

To help protect our environment, it is expected that similar legislation soon will be required throughout the nation.



High Pressure Spray (Conventional Air Spray)



Low Pressure Spray (HVLP)

NOTE: DeVilbiss HVLP spray guns are protected by one or more of the following patents:

Patent # 5,209,405

Patent # 5,090,623

Patent # 5,344,078

JGHV™ Standard-Size Maximum Performer

Manual HVLP Spray Gun

Our JGHV Standard-Size Maximum Performer manual spray gun gives you the best of everything – the comfortable fit and feel of DeVilbiss' classic JGA spray gun combined with the high transfer efficiency and superior atomization of HVLP.

- 300-grade stainless steel fluid passages for waterborne compatibility.

Productivity and Finish Quality

The productivity and finish quality of any Maximum Performer spray gun is determined by the air cap and fluid tip combination. The chart on page 16 provides detailed information about the solids range, fluid flow and air consumption for specific caps and tips. It also illustrates the spray pattern for each air cap.



The versatile JGHV gun delivers a high quality finish with less overspray than conventional guns.



For gun, cap and tip information see charts on pages 15 & 16.

Ordering Information

The JGHV Standard-Size Maximum Performer manual spray gun is available with the following air cap and fluid tip set-ups, factory assembled for immediate delivery.

Part No.	
JGHV-531-33EX*	JGHV-531-83E*
JGHV-531-33FF*	JGHV-531-83D*
JGHV-531-46FX*	
JGHV-531-46FF*	

** Standard tips and needles are 400-grade stainless steel. See page 15 for fluid tips and needles.*

Technical Specifications

Body:	Drop forged aluminum
Weight:	20.8 oz (599 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	3/8" NPS (M)
Fluid Passages:	Stainless steel
Feed Type:	Pressure Feed
Service Bulletin:	SB-2-246
Gun Repair Kit:	KK-4987-2

Accessories

- **Remote Cups**
Two-quart remote cups are available in aluminum (KB-555) or stainless steel (KB-545-SS).
- **Attached Cups**
One-quart attached cups are available in aluminum with Teflon® lining (TLC-576) or stainless steel (TSC-591).
Note: KK-4980 regulator control kit is required for use with these cups and must be ordered separately.
- **Additional Accessories**
Hose assemblies, air control regulators, air cap test kits, gun and hose cleaning equipment and other accessories also are available.

MSV™ Mid-Size Maximum Performer

Manual HVLP Spray Gun

Our MSV Mid-Size Maximum Performer spray gun delivers the same high transfer efficiency and superior performance as the standard-sized model, only in a smaller package. Weighing only 17 ounces, the Mid-Size Maximum Performer spray gun is lighter, and it helps reduce operator fatigue while providing excellent comfort and control.

- 300-grade stainless steel fluid passages for waterborne compatibility.

For gun, cap and tip information see charts on pages 15 & 16.

Productivity and Finish Quality

The productivity and finish quality of any Maximum Performer spray gun is determined by the air cap and fluid tip combination. The chart on page 16 provides detailed information about the solids range, fluid flow and air consumption for specific caps and tips. It also illustrates the spray pattern for each air cap.



The lightweight MSV spray gun is designed for maximum operator comfort.

Technical Specifications

Body:	Drop forged aluminum
Weight:	17 oz (476 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	3/8" NPS (M)
Fluid Passages:	Stainless steel
Feed Type:	Pressure feed
Service Bulletin:	SB-2-243
Gun Repair Kit:	KK-4987-2

Ordering Information

The MSV Mid-Size Maximum Performer manual spray gun is available with the following air cap and fluid tip set-ups, factory assembled for immediate delivery.

Part No.	
MSV-531-33EX*	MSV-531-3-46FX**
MSV-531-33FF*	MSV-531-3-46FF**
MSV-531-46FF*	MSV-531-83E*
MSV-531-46FX*	MSV-531-83D*

* Standard tips and needles are 400-grade stainless steel.

** Includes 300-grade stainless steel with U.H.M.W. polyethylene seat in fluid tip. See page 15 for fluid tips and needles.



Accessories

- **Remote Cups**
Two-quart remote cups are available in aluminum (KB-555) or stainless steel (KB-545-SS).
- **Attached Cups**
One-quart attached cups are available in aluminum with Teflon® lining (TLC-576) or stainless steel (TSC-591).
Note: KK-4980 regulator control kit is required for use with these cups and must be ordered separately.
- **Additional Accessories**
Hose assemblies, air control regulators, air cap test kits, gun and hose cleaning equipment and other accessories also are available.

EGHV™ Touch-Up Maximum Performer

HVLP Spray Gun



For gun, cap and tip information see charts on pages 15 & 17.

Comfortable and easy-to-use, the EGHV Touch-Up Maximum Performer spray gun provides precise control for the most exacting detail and touch-up work. The gun features a long tapered fluid needle and a top-mounted trigger, and weighs only 7.5 ounces, making it ideal for hours of fatigue-free precision painting.

- Fluid delivery by attached suction feed or remote pressure feed cup.
- Knurled knobs for fine adjustments of fluid flow and spray pattern.

Productivity and Finish Quality

The productivity and finish quality of any Maximum Performer spray gun is determined by the air cap and fluid tip combination. The chart on page 17 provides detailed information about the solids range, fluid flow and air consumption, and also illustrates the spray pattern.

Ordering Information

The EGHV Touch-Up Maximum Performer manual spray gun is available with the following air cap and fluid tip set-up, factory assembled for immediate delivery.

Part No.

EGHV-531-397E *

* Standard tip and needle is 400-grade stainless steel.

EGHV Accessories

- **8 oz. Cup (TGS-503)**
Solvent-resistant polyethylene cup available.
- **Remote Cups**
Two-quart remote cups are available in aluminum (KB-555) or stainless steel (KB-545-SS).
- **Additional Accessories**
Hose assemblies, air cap test kit, gun and hose cleaning equipment and other accessories also are available.

Technical Specifications

Body:	Drop forged aluminum
Weight:	7.5 oz (210 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	1/4" NPS (M)
Fluid Passages:	Stainless Steel
Feed Type:	Pressure feed Suction feed
Air Consumption:	8.8 CFM max. @ 10 psi cap pressure
Air Cap Pressure:	10 psi @ 50 psi inlet
Service Bulletin:	SB-2-167
Gun Repair Kit:	KK-5044



EGHV-531 gun and TGS-503 translucent polyethylene cup provide a precision finish with less overspray.

TGHV™ Detail/Touch-Up Maximum Performer

Manual HVLP Spray Gun

Our versatile, TGHV Detail/Touch-Up Maximum Performer spray gun offers superior atomization at the tip, combined with the comfort benefits of a lightweight, pistol-grip design, side port fluid inlet for gravity, and standard bottom inlet for pressure/suction feed.

Requiring low air cap pressure, our TGHV spray gun provides the control needed for detail, repair, shading and highlighting operations. Depending on the type of feed used, an adjustable spray pattern from 5" to less than 1/4" round makes the TGHV ideal for applications requiring focused spray patterns, such as automotive OEM spot repair, final repair, as well as mask spraying in furniture manufacturing, plastic decorating, and other applications requiring small defined patterns or mask spraying.

For gun, cap and tip information see charts on pages 15 & 17.

- Side port gravity feed with smaller front end for better operator visibility to the spray target.



TGHV-635 Gravity Feed with 8 oz. stainless steel cup

- 300-grade stainless steel fluid passages for waterborne compatibility.
- Includes built-in air adjusting valve for precise operator control.
- All TGHV series guns utilize many of the same high quality components as DeVilbiss JGA, MSA, and MSV spray guns.



Productivity and Finish Quality

The productivity and finish quality of any Maximum Performer spray gun is determined by the air cap and fluid tip combination. The chart on page 17 provides detailed information about the solids range, fluid flow and air consumption, and also illustrates the spray pattern.

Ordering Information

The TGHV Detail/Touch-Up Maximum Performer manual spray gun is available in the following models, factory assembled for immediate delivery.

Part No.
TGHV-530-Pressure/Suction Feed**
TGHV-635-Gravity Feed*

* Standard tip and needle is 300-grade stainless steel (F) .041".

** Standard tip is 300-grade s.s., (F) .041", and needle is acetel.

TGHV Accessories

- **Remote Cups**
Two-quart remote cup is available in aluminum (KB-555) or stainless steel (KB-545-SS).
- **Additional Accessories**
Hose assemblies, air cap test kit, gun and hose cleaning equipment and other accessories are also available.

Technical Specifications

Body:	Drop forged aluminum
Weight:	19 oz. (530g) TGHV-530 24.5 oz. (690g) TGHV-635 with 8 oz. cup
Air Inlet:	1/4" NPS(M)
Fluid Inlet:	3/8" NPS(M) - TGHV-530 1/4" BSP(M) - TGHV-635
Fluid Passages:	300-grade stainless steel
Air Consumption:	6.7 SCFM @ 10 psi air cap
Air Requirements:	35 psi inlet = 10 psi cap pressure
Service Bulletin:	SB-2-192
Gun Repair Kit:	KK-5048

AGXV™ Automatic Maximum Performer

HVLP Spray Gun



Designed for use with robots, automatic machines and stationary mounting, the AGXV Automatic Maximum Performer spray gun is built to withstand the harsh conditions common to automatic spray finishing applications.

- Only two moving parts, for greater reliability and easier maintenance.



- Patented Teflon® needle packings are spring loaded for extended service.
- Abrasive fluid packing available as an option for more abrasive coatings.
- Detachable spray head for fast needle packing replacement.
- Circulating capability standard.
- Optional remote fan control.

Productivity and Finish Quality

The productivity and finish quality of any Maximum Performer spray gun is determined by the air cap and fluid tip combination. The chart on page 16 provides detailed information about the solids range, fluid flow and air consumption for specific caps and tips. It also illustrates the spray pattern for each air cap.

Ordering Information

The AGXV Automatic Maximum Performer manual spray gun is available with the following air cap and fluid tip set-ups, factory assembled for immediate delivery.

Part No.	
AGXV-540-33AF* [*]	AGXV-541-83D* [*]
AGXV-540-33AFX* [*]	AGXV-541-83E* [*]
AGXV-541-46F* ^{**}	AGXV-543-46F** ^{**}
AGXV-541-46FX* [*]	AGXV-543-46FX** ^{**}

* Standard tips and needles are 400-grade stainless steel.

** Includes 300-grade stainless steel with U.H.M.W. polyethylene seat in fluid tip. See page 15 for fluid tips and needles.

Technical Specifications

Body:	Machined aluminum
Weight:	26 oz (728 gr) without mounting stud 30 oz (840 gr) with mounting stud
Cylinder Air Pressure:	50 psi min. 100 psi max.
Cylinder Air:	1/4" NPS (M)
Atomization Air:	1/4" NPS (M)
Fluid Inlet:	3/8" NPS (M)
Fluid Passages:	300 Grade stainless steel
Fluid Pressure:	100 psi max.
Mounting Stud:	3/4" dia.
Service Bulletin:	SB-2-628
Gun Repair Kit:	KK-4992-1

For gun, cap and tip information see charts on pages 15 & 16.

Accessories

- Remote Fan Control (KK-4955)
Permits remote adjustment of pattern size.
- Fluid Tip and Needle Sets
Several kits are available for corrosive materials, primers and highly pigmented materials.
- Mounting Clamp (AGA-415)
Clamps gun stud to rod, allowing gun rotation to any angle.
- Abrasive Fluid Seal Kit (KK-5017)
Designed for use with abrasive materials.
- Mounting Block Accessory Kit (KK-5046)
Allows mounting the gun onto a 1/2" rod.
- Additional Accessories
Fluid regulators, fluid strainers, air control units, gun and hose cleaning equipment and other accessories also are available.



The AGXV automatic HVLP spray gun is ideal for spraying both waterborne and solvent-based coatings at high production speeds.

Classic Series HVLP Features and Benefits

Durability

- 1 300-grade stainless steel fluid passages offer waterborne compatibility, corrosion resistance and protection from harsh, self-etching primers.
 - Dual-seal fluid inlet assures a positive seal.
- 2 Drop forged aluminum gun bodies are strong, durable and lightweight.

- 3 Replaceable baffle with anodized aluminum air cap retaining ring threads eliminates the need to replace the gun body, should threads become damaged.

- 4 Redesigned trigger strike pad makes trigger action smoother and extends air valve life.
 - Cartridge-type air valve is designed for positive sealing and quick trigger action.
 - All gun components have been life cycle tested to ensure reliability in production environments.

Performance

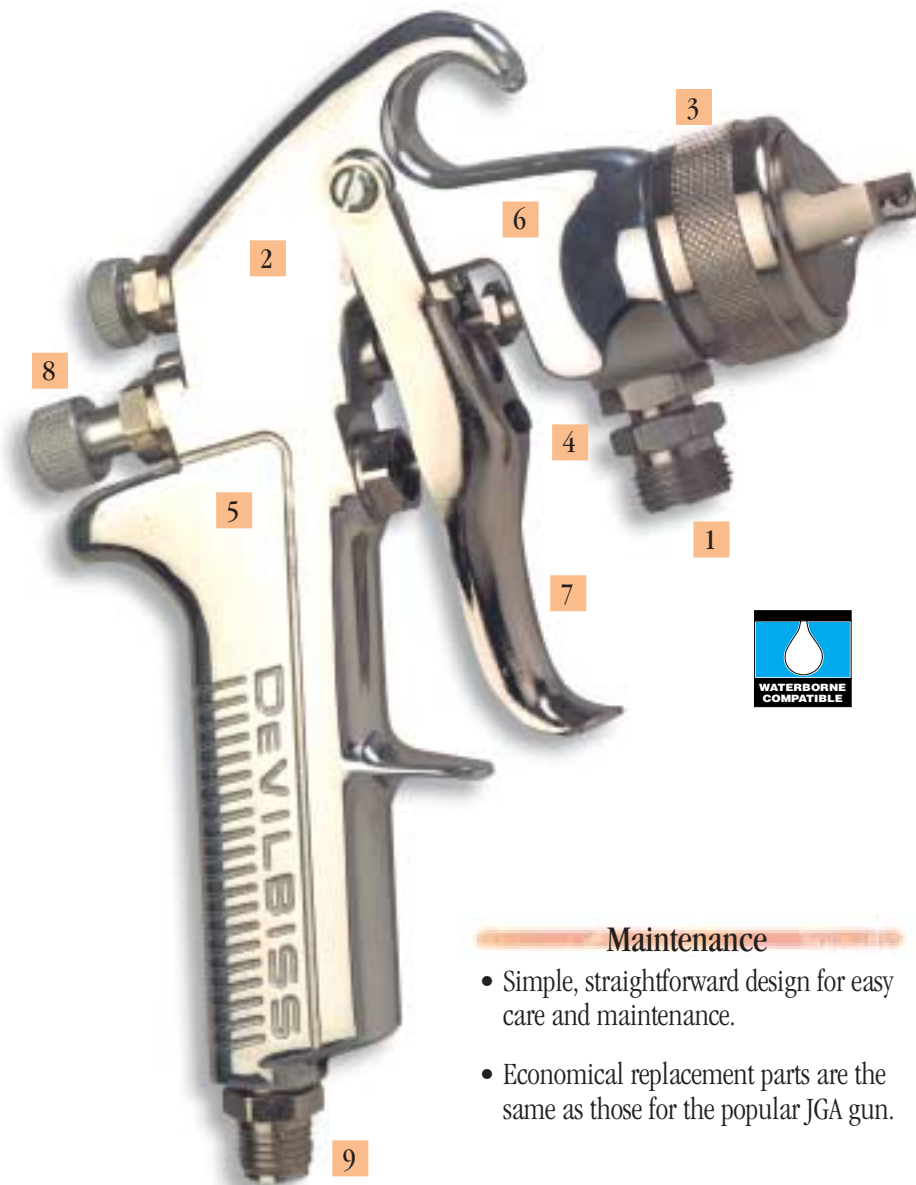
- 5 Lightweight and precision-balanced for operator comfort.
 - Classic Series spray guns are sized to fit both the operator and the application, in standard-size and mid-size models.
- 6 Long-life needle packings.

Easy to Use

- 7 Light trigger action for easy operation and comfort.
- 8 Knurled knobs for easy adjustment of pattern and fluid flow.
- 9 1/4" air inlet connects to any standard compressor system.

Maintenance

- Simple, straightforward design for easy care and maintenance.
- Economical replacement parts are the same as those for the popular JGA gun.



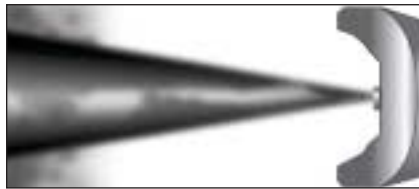
Classic Series HVLP Technology

Increase productivity and quality as you cut operating costs.

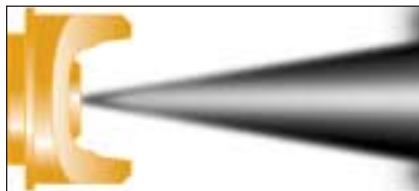
High-volume low-pressure (HVLP) atomization uses a low-velocity air stream to deliver a more controlled spray pattern.

The result? Improved transfer efficiency, less overspray and reduced bounceback – and that means a cleaner environment for the operator, with greater visibility and reduced operator error. It also means decreased paint consumption, which reduces spray booth maintenance, filter replacement, waste disposal and materials costs.

The high transfer efficiency of HVLP also enhances productivity and finish quality – because more material is applied on each pass, fewer passes are required by the operator.



High Pressure Spray (Conventional Air Spray)



Low Pressure Spray (HVLP)

NOTE: DeVilbiss HVLP spray guns are protected by one or more of the following patents:

Patent # 5,209,405

Patent # 5,090,623

Patent # 5,344,078

Classic Series HVLP Spray Guns

The DeVilbiss line of Classic Series spray guns provides HVLP performance in four widely used gun models:

- *A pressure feed spray gun designed to maintain the comfortable fit and feel operators prefer.*
- *A model that combines the advantages of gravity feed fluid flow with the quality and performance of HVLP.*
- *An all-purpose suction feed HVLP spray gun.*

Ideal for low to medium flow rates, Classic Series HVLP spray guns are designed to handle most common lower solids coatings, such as stains, sealers, primers, enamels, and lacquers.

ITW DeVilbiss

HVLP That Works™

JGA-HVLP Pressure Feed Classic Series Spray Gun

For quality results and continuous output production, our JGA-HVLP spray gun is hard to beat. It delivers smooth triggering action and a comfortable fit and feel, so operators enjoy better control and less fatigue. And it also provides good atomization and high transfer efficiency, and is ideal for applications with limited air supply.

For gun, cap and tip information see charts on pages 15 & 17.

- 300-grade stainless steel fluid passages offer waterborne compatibility, corrosion resistance and protection from harsh self-etching primers.

Productivity and Finish Quality

The productivity and finish quality of any Classic Series spray gun is determined by the air cap and fluid tip combination. The chart on page 17 provides detailed information about the solids range, fluid flow and air consumption, and also illustrates the spray pattern for the 98 air cap.



The versatile JGA-HVLP gun delivers a high quality finish with less overspray than conventional guns.

Ordering Information

The Classic Series JGA-HVLP standard-size spray gun is available with the following air cap and fluid tip set-up, factory-assembled for immediate delivery.

Part No.

JGA-510-98FX*

* Standard tip and needle is 400-grade stainless steel. 300-grade tip and needle is optional for materials with pH less than 7.

Technical Specifications

Body:	Drop forged aluminum
Weight:	20.4 oz (578 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	3/8" NPS (M)
Fluid Passages:	300 grade stainless steel
Feed Type:	Pressure feed
Service Bulletin:	SB-2-187
Gun Repair Kit:	KK-4987-2

JGA-HVLP Application Guide

- Maximum 8 oz./min. fluid flow.
- Lower solids coatings.
- Medium to high V.O.C. coatings (4.0-5.0 lbs./gal.)
- Smaller compressors – 3 h.p. is usually sufficient.
- Limited air supply - requires only 11 CFM at 10 PSI air cap pressure.
- Class "B" finish quality requirements.



Accessories

- Two-quart remote cups are available in aluminum (KB-555) or stainless steel (KB-545-SS).
- One-quart attached cups are available in aluminum with Teflon® lining (TLC-576) or stainless steel (TSC-591).
Note: KK-4980 regulator control kit is required for use with these cups and must be ordered separately.
- Hose assemblies, air control regulators, gun and hose cleaning equipment and other accessories also are available.
- 303-grade lapped tip and needle set JGA-4056-FX.
- For air cap test kit, see page 15.

JGA-HVLP Suction Feed Classic Series Spray Gun



The JGA-HVLP suction feed spray gun offers easy-to-use suction feed operation with the high transfer efficiency of HVLP. That means you get the flow rates and uniform spray patterns you want using conventional suction feed fluid delivery.

- 300-grade stainless steel fluid passages offer waterborne compatibility, corrosion resistance and protection from harsh self-etching primers.

Productivity and Finish Quality

The productivity and finish quality of any Classic Series spray gun is determined by the air cap and fluid tip combination. The chart on page 17 provides detailed information about the solids range, fluid flow and air consumption, and also illustrates the spray pattern for the #57 air cap.

Ordering Information

The Classic Series JGA-HVLP suction feed spray gun is available with the following air cap and fluid tip setups, factory-assembled for immediate delivery. Standard tip and needle are 400-grade stainless steel.

Part No.

JGA-510-57D*

JGA-510-57DE*

* Cup not included. Order separately.

When ordering DeVilbiss spray guns, the part number includes information on the specific gun model, air cap and fluid tip you will receive.

Example: JGA-510-



Technical Specifications

Body:	Drop forged aluminum
Weight (Less Cup):	21.4 oz (608 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	3/8" NPS (M)
Fluid Passages:	300 grade stainless steel
Feed Type:	Suction feed
Service Bulletin:	SB-2-248
Gun Repair Kit:	KK-4987-2

For gun, cap and tip information see charts on pages 15 & 17.

Accessories

- One-quart paint cups available in Teflon®-lined aluminum (TLC-555), aluminum (TGC-545) and stainless steel (TSC-595).
- One-pint aluminum cup (TGC-536) is also available.
- Hose assemblies, air control regulators, gun and hose cleaning equipment and other accessories also are available.
- For air cap test kit, see page 15.



JGA-HVLP suction feed provides high quality atomization with the high transfer efficiency of HVLP.

GFG-HVLP Gravity Feed Classic Series Spray Gun



For gun, cap and tip information see charts on pages 15 & 17.

- 300-grade stainless steel fluid passages offer waterborne compatibility, corrosion resistance and protection from harsh self-etching primers.
- Standard equipment includes 32 oz. aluminum cup and booth-mount gun hook.
- Drip check in the cup lid prevents leaks and spills from the vent hole.
- Includes EZ liner® disposable cup liners to speed up cleaning, and allows upside-down spraying.

Productivity and Finish Quality

The productivity and finish quality of any Classic Series spray gun is determined by the air cap and fluid tip combination. The chart on page 17 provides detailed information about the solids range, fluid flow and air consumption, and also illustrates the spray pattern for the #57 air cap.

Ordering Information

Classic Series GFG-HVLP gravity feed spray guns are available with the following air cap and fluid tip set-ups, factory-assembled for immediate delivery. A new 32 oz. aluminum gravity cup is included. Standard tip and needle are 400-grade stainless steel.

Part No.

GFG-618-57DFE
GFG-618-57DFW
GFG-618-57DE

When ordering DeVilbiss spray guns, the part number includes information on the specific gun model, air cap and fluid tip you will receive.

Example: GFG-618-

Basic Gun Model (including cup)	Air Cap Number	Fluid Tip Size

Technical Specifications

Body:	Drop forged aluminum
Weight (Gun & Cup):	27 oz (768 gr)
Air Inlet:	1/4" NPS (M)
Fluid Inlet:	3/8" BSP (F)
Fluid Passages:	300 grade stainless steel
Feed Type:	Gravity feed
Service Bulletin:	SB-2-169
Gun Repair Kit:	KK-5025

Accessories

- 20 oz. Delrin cup (GFC-501).
- Workbench gun holder (GH-505) holds the gun upright to facilitate filling.
- Hose assemblies, air control regulators, gun and hose cleaning equipment and other accessories also are available.
- For air cap test kit, see page 15.



For smaller production jobs, GFG-HVLP provides the quality and performance of HVLP technology with the advantages of gravity fluid flow.

When your application calls for higher transfer efficiency, but you need more control of the fluid output than you would get with a suction feed gun, choose the GFG-HVLP gravity feed spray gun. Combining the quality and performance of HVLP technology with the advantages of gravity feed fluid flow, the GFG-HVLP spray gun assures virtually every drop in the cup is used, so there's no waste. Clean-up is quick and simple, too.

With gravity feed, atmospheric pressure and gravity itself force the newer, higher solids materials into the fluid passage, making the gun more efficient than suction feed. Less air cap pressure is required, too.

HVLP Air Cap Test Kits*



* Air cap test kits may be required by some air quality agencies. These kits are supplied with a special air cap and test gauge to demonstrate actual pressure being used at the cap since it will vary depending on hose length between the air regulator and gun.

This kit can be used as a quality control device for consistent spraying each day. The cap kit should not be used when finishes are being applied.

- **KK-5033-33A** Air Cap Test Kit – Includes air cap and gauge, for use with #33A air caps only.
- **KK-5033-46MP** Air Cap Test Kit – Includes air cap and gauge, for use with #46MP air caps only.
- **KK-5033-83MP** Air Cap Test Kit – Includes air cap and gauge, for use with #83MP air caps only.
- **KK-5033-90HV** Air Cap Test Kit – Includes air cap, gauge and ring, for use with #90HV air caps only.
- **KK-5043** Air Cap Test Kit – Includes air cap and gauge, for use with #397HV air caps only.

- **OMX-5033-46MP** – Includes air cap, gauge and ring, for use with OMX-411-46MP
- **OMX-5033-83MP** – Includes air cap, gauge and ring, for use with OMX-411-83MP

- **KK-5033-98** Air Cap Test Kit – Includes air cap and gauge, for use with JGA-HVLP spray gun using #98 air cap.
- **KK-5033-57** Air Cap Test Kit – Includes air cap and gauge, for use with GFG-HVLP gravity feed and JGA-HVLP suction feed spray guns using #57 air caps.

HVLP Fluid Tips and Needles

Maximum Performer

NUMBER ON FLUID TIP	ORDER TIP AND NEEDLE SET
For JGHV and MSV	
AV-2115-FE, FX	JGA-4040-FE, FX ⁽¹⁾
AV-2120-D, E, FE, FX	JGA-4045-D, E, FE, FX ⁽¹⁾
AV-4915-D, E, FE, FX, G	JGA-4056-D, E, FE, FX, G ⁽²⁾
AV-4920-D, E, FE, FX	JGA-4051-D, E, FE, FX ⁽²⁾
For AGXV	
AV-2115-FE, FX	AGX-4402-FE, FX ⁽¹⁾
AV-2120-D, E	AGX-4483-D,E ⁽¹⁾
AV-2120-FE, FX	AGX-4600-FE, FX ⁽¹⁾
AV-4915-E, FE, FX	AGX-4300-E, FE, FX ⁽²⁾
AV-4920-D, E, FE, FX	AGX-4613-D, E, FE, FX ⁽²⁾
For MAX	
FFP	OMX-4033 ⁽⁴⁾
FXP	OMX-4034 ⁽⁴⁾
EP	OMX-4035 ⁽⁴⁾
For EGHV	
EGA-60-E,F	EGA-4000-E, F ⁽¹⁾
For TGHV	
CV-30-F-HV	TGHV-4000-F ⁽⁵⁾ TGHV-4001-F ⁽⁵⁾

Classic Series

NUMBER ON FLUID TIP	ORDER TIP AND NEEDLE SET
For JGA-HVLP (Pressure)	
AV-2115-FX	JGA-4040-FX ⁽¹⁾
AV-1915-FX	JGA-4056-FX ⁽²⁾
For GFG-HVLP	
AV-2125-DFF	JGA-4046-14 ⁽⁶⁾
AV-2125-DFW	JGA-4046-16 ⁽⁶⁾
AV-2125-DE	JGA-4046-18 ⁽⁶⁾
For JGA-HVLP (Suction)	
AV-2125-DE	JGA-4046-18 ⁽⁶⁾
AV-2125-D	JGA-4046-22 ⁽⁶⁾

- (1) 400-grade stainless steel (lapped).
- (2) 300-grade stainless steel with U.H.M.W. polyethylene seat in fluid tip (matched set).
- (3) Acetal and 300 stainless tip.
- (4) Composite spraybead, 400-grade stainless steel needle with U.H.M.W. polyethylene tip.
- (5) 300-grade stainless steel (lapped).
- (6) 400-grade stainless steel (matched set).

HVLP Air Cap & Tip Selection Chart

JGHV, MSV, AGXV and MAX

TYPICAL COATINGS USED WITH	TYPICAL SOLIDS BY VOLUME VISCOSITIES*	AIR CAP MODEL NO. PART NO.	AIR VOLUME (AT 10 psi AIR CAP PRESSURE)	TYPICAL FLUID FLOW RATES	PATTERN SIZE**	RECOMMENDED FLUID TIPS
Low solids automotive finishes, enamels, lacquers, stains, sealers, etc.	Low solids up to 25% solids by volume Up to 24 seconds, #4 Ford cup	#33A JGHV-101-33A	18.75 CFM	Up To 12 oz./min.	9"	FF (.055") or FX (.042")
Medium solids enamels, urethanes, solvent and waterborne furniture top-coats, waterborne automotive OEM finishes, corrosion protective coatings, leather stains, acrylics, epoxies, etc.	Low-medium solids, up to 50% solids by volume Up to 28 seconds, #4 Ford cup	#46 MP JGHV-101-46MP	22.5 CFM	12-16 oz./min	11"	FF (.055") or FX (.042")
Medium-high solids enamels, urethanes, low VOC waterborne furniture top-coats, porcelain enamel, corrosion protective coatings, acrylics, epoxies, etc., architectural and industrial maintenance coatings.	Medium-high solids, up to 72% solids by volume Over 28 seconds, #4 Ford cup	#83 MP JGHV-101-83 MP	26.0 CFM	Over 16 oz./min.	13"	E (.070") or D (.086")

* Viscosity Cup Reference

18 Seconds #4 Ford = 22 Seconds ZAHN #2

22 Seconds #4 Ford = 24 Seconds ZAHN #2

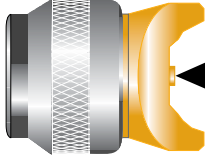

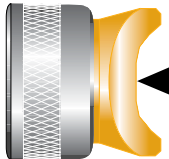

28 Seconds #4 Ford = 30 Seconds ZAHN #2

** Spray pattern size dependent upon type of feed, material viscosity, and air cap pressure.


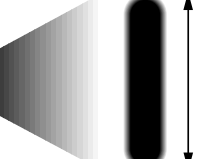

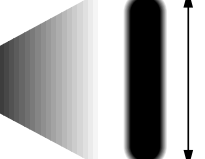
Note: MBC-368 Retaining ring must be ordered separately.

HVLP Air Cap & Tip Selection Chart

EGHV and TGHV

TYPICAL COATINGS USED WITH	TYPICAL SOLIDS BY VOLUME VISCOSITIES*	AIR CAP MODEL NO. PART NO.	AIR VOLUME (AT 10 psi AIR CAP PRESSURE)	TYPICAL FLUID FLOW RATES	PATTERN SIZE**	RECOMMENDED FLUID TIPS
Detail, touch-up enamels, lacquers, etc.	Low solids, up to 25% solids by volume Up to 24 seconds, #4 Ford cup	#397HV EGHV-439-397HV	 8.8 CFM	Up to 6 oz./min.	 Up to 6"	E (.070")
Detail, touch-up enamels, lacquers, etc.	Low solids, up to 25% solids by volume Up to 24 seconds, #4 Ford cup	#90HV CV-39-90HV	 6.7 CFM	Up to 4 oz./min.	 Up to 5"	F (.041")

JGA-HVLP AND GFG-HVLP

TYPICAL COATINGS USED WITH	TYPICAL SOLIDS BY VOLUME VISCOSITIES*	AIR CAP MODEL NO. PART NO.	AIR VOLUME (AT 10 psi AIR CAP PRESSURE)	TYPICAL FLUID FLOW RATES	PATTERN SIZE**	RECOMMENDED FLUID TIPS
Most common low solids coatings, i.e. enamels, lacquers, stains, sealers, primers, waterbornes, etc.	Low solids, up to 30% solids by volume Up to 24 sec., #4 Ford cup	#98 JGHV-101-98	 11 CFM	Up To 8 oz./min.	 11 1/2"	Pressure Feed • FX (.042")
Most common low solids coatings, i.e., automotive refinish materials, enamels, lacquers, stains, sealers, primers, waterbornes, etc.	Low solids, up to 30% solids by volume Up to 24 sec., #4 Ford cup	#57 JGHV-101-57	 22 CFM	Up to 12 oz./min. (gravity) 8 oz./min. (suction)	 10" - 11"	Gravity Feed • DFF (.055") • DFW (.063") • DE (.070") Suction Feed • D (.086") • DE (.070")

* Viscosity Cup Reference: 18 Seconds #4 Ford = 22 Seconds ZAHN #2
22 Seconds #4 Ford = 24 Seconds ZAHN #2
28 Seconds #4 Ford = 30 Seconds ZAHN #2

** Spray pattern size dependent upon type of feed, material viscosity, and air cap pressure.