

Air Valve (with gauge)



HAV-503-B

Specifications

Air inlet : G1/4(M)
Air outlet : G1/4(F)
Weight : 103 g

Compact and light weighted air valve equipped with an air pressure gauge for easy precise adjustment.



HAV-501-B

Specifications

Air inlet : G1/4(M)
Air outlet : G1/4(F)
Weight : 150 g

Compact and light weighted air valve equipped with an air pressure gauge for easy precise adjustment.

SHIM-MASK

SHIM-3

Specifications

Size : 120x120 mm
Thickness : 50 µm(0.05mm)
Material : Stainless steel
Quantity : 3 pieces/set



Ultra thin stainless steel plate to protect the removal of dust and lumps of painted surfaces.

Spray Gun Maintenance Kit

SMK-101

- LUNA Series
- JJ gun Series

SMK-105

- LUNA2 Series



Gun maintenance kit for keeping trouble-free and comfortable spraying.

Air Filter

HAF-507 (Whirlwind™)

Specifications

Weight : 50g
HAF-507 : 1 piece
HAF-507-K12 : 12 pieces



A multi layered disposable air filter with trustworthy filtering. The strong points of this filter are minimum air pressure loss and durability.

Multi Lid for 400ml gravity cup

GFC-400

DeVilbiss original plastic lid that is easily open and close



Aerodynamic

DMG-501



DeVilbiss' ultimate air drying technology is designed for faster and energy efficient drying method used for waterborne paints to suit at various types of body shops.

Specifications

Air consumption : 325 l/min (at 0.35 MPa)
Recommended working pressure range : 0.2-0.4 MPa

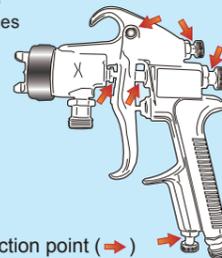
Gun Lube

SSL-10

Non material repelling gun lube with vegetable oil used.

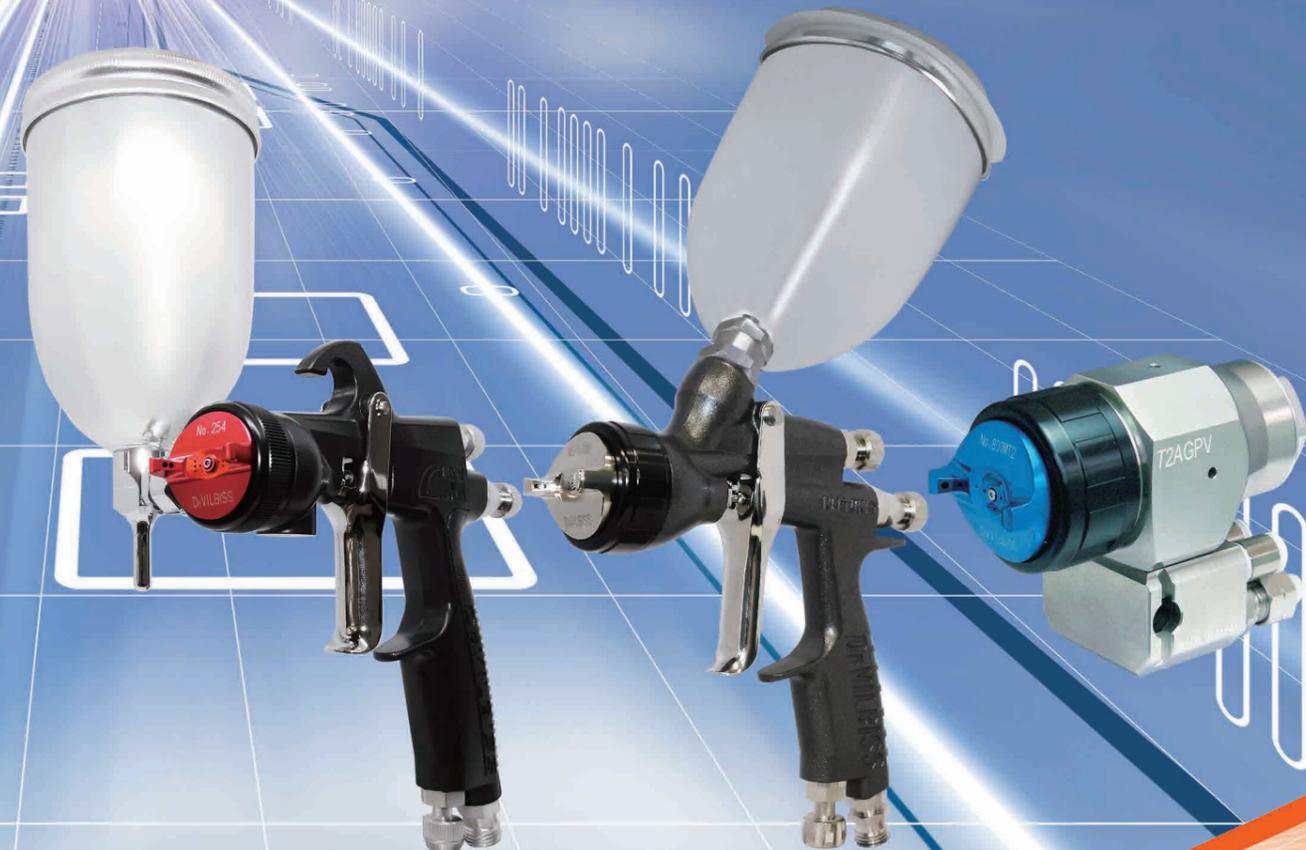
Specifications

Capacity : 60 ml
SSL-10 : 1 piece
SSL-10-K12 : 12 pieces



Injection point (→)

Spray Gun CATALOGUE for Asia



CFT Ransburg Japan KK

15-5, Fukuura 1-chome, Kanazawa-ku, Yokohama, Kanagawa Japan 〒236-0004

TEL : +81-45-785-6434 / FAX : +81-45-785-6517

<http://www.carlisleft.co.jp/>

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For more information, please contact:

DEVILBISS®

The world's first spraying technology was invented by Dr. Allen DeVilbiss in 1888. Since then, DeVilbiss has been a worldwide industry leader for atomizing technology, and spray gun quality for over 130 years.

Our main points of consideration

DeVilbiss is committed to the development of innovative products and improvement of product functionality and quality based on an eco-friendly viewpoint that considers the global environment.

1. Anodized Aluminum processed fluid passage that suits waterborne paints.
2. High transfer efficiency that reduces VOC with improved coating technology.
3. Further improvements of atomization and finishing quality to avoid coating defects.



HIGH TRANSFER EFFICIENCY

LOW AIR CONSUMPTION

FINE ATOMIZATION



Comparing the existing air spray gun or HVLP gun, LVMP gun makes higher transfer efficiency and better atomization possible with less air consumption.

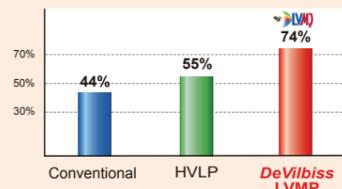
Why does LVMP have better transfer efficiency!

The difference of the transfer efficiency between standard spray gun and HVLP gun is in the air velocity. Both air velocities are in the same sound-speed area when an instant of coming out from the air cap. However, when it becomes the distance of approximately 200mm, it generates large difference. Therefore, if the velocity is low at 200mm distance, the transfer efficiency becomes better even atomized with higher air pressure than HVLP.

Gun types	Air inlet pressure (MPa)	Air cap pressure (MPa)	Air consumption (l/min)	Air velocity (m/sec)	Transfer efficiency (%)
LVMP Gun	0.25	0.20	280	16	74
HVLP Gun	0.45	0.09	750	19	55
Conventional Gun	0.40	0.35	500	22	44

High transfer efficiency

Better transfer efficiency is recognized, compared with conventional guns.

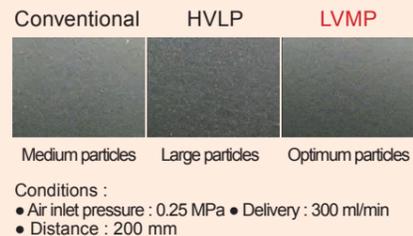


Low air consumption

DeVilbiss original LVMP technology contributes low air consumption leading to cost reduction.



Fine atomization



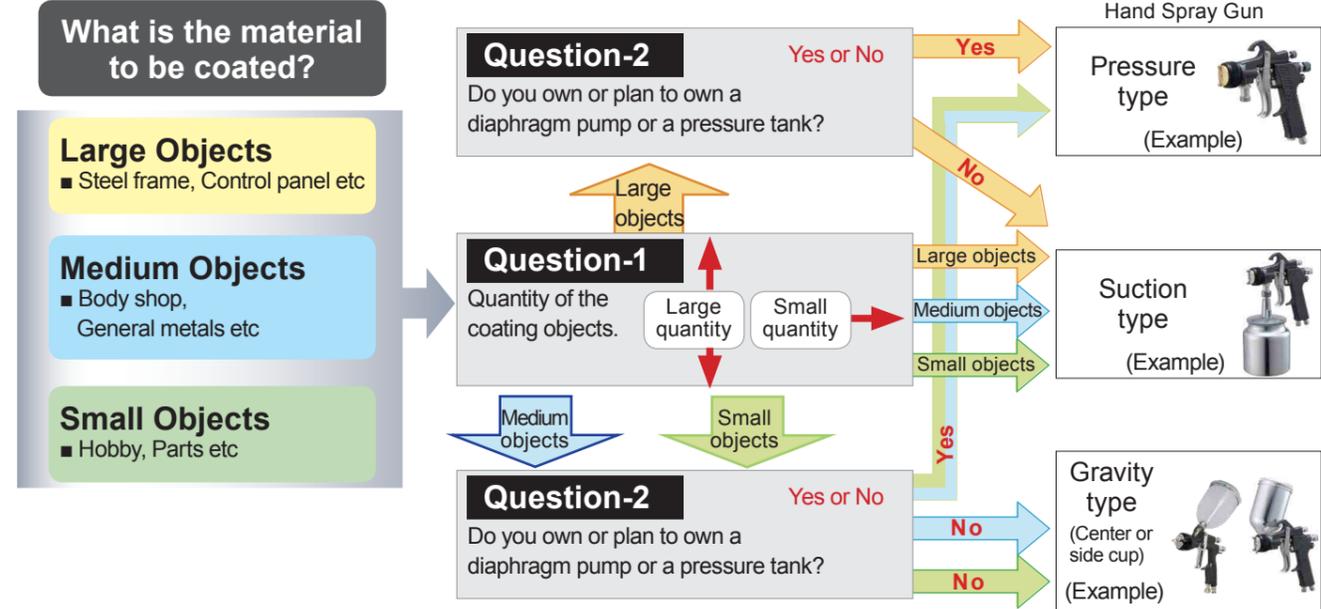
eco "Environmental process" The leading task of Space Guns.

The DeVilbiss Space Gun takes a step forward as a leader in "Environmental care". Eco-friendliness, ultra lightness, and high performance (high atomization, high transfer efficiency, low air consumption) are the three areas in which DeVilbiss leads. The Space Gun series is a pioneer product that is leading the way in eco-friendliness.

"Magnesium" is acknowledged as an eco-metal that is the least-harmful to the environment.

DeVilbiss has pioneered the use of magnesium gun bodies for maximum lightness and recyclability and has implemented such bodies on the APOLLO, LUNA and JUPITER series.

Selecting the perfect hand spray guns : A



Selecting by the size of the gun

(See "guide line-B" on page 4)

Medium, large size with high transfer efficiency.

Coating Size	Recommended Model(s)
L-size coating	① Apollo
M-size coating	① Apollo ⑨ GTi Pro LITE ⑩ GTi-Pro

Small and light weighted with high transfer efficiency.

Coating Size	Recommended Model(s)
L-size coating	⑤ JJ-K ⑥ LUNA2-R PLS ⑦ LUNA2i ⑬ NEPTUNE
M-size coating	⑤ JJ-K ⑥ LUNA2-R PLS ⑦ LUNA2i ⑬ NEPTUNE
S-size coating	⑤ JJ-K ⑥ LUNA2-R PLUS ⑪ SRi-Pro LITE

Medium, large size guns and mid-priced range.

Coating Size	Recommended Model(s)
L-size coating	② JGX ③ Jupiter ⑧ Jupiter Pro
M-size coating	② JGX ③ Jupiter ⑧ Jupiter Pro
S-size coating	② JGX ③ Jupiter ⑧ Jupiter Pro

Small, light weighted and cost efficient.

Coating Size	Recommended Model(s)
L-size coating	④ JJ ⑤ JJ-K
M-size coating	④ JJ ⑤ JJ-K ⑥ LUNA2-R PLS
S-size coating	⑤ JJ-K ⑥ LUNA2-R PLS ⑫ DEMI 2

Super thin-film flat	High arched wide	Flat	Center heavy A	Center heavy B
<ul style="list-style-type: none"> • Pattern size 260mm-310mm • Applications: High-luminance metallic 	<ul style="list-style-type: none"> • Pattern size 260mm-320mm • Applications: Color clears 	<ul style="list-style-type: none"> • Coating thin film with even distribution. • Applications 	<ul style="list-style-type: none"> • Thick film with wide pattern width. • Applications 	<ul style="list-style-type: none"> • Thick film with narrow pattern width. • Applications
<ul style="list-style-type: none"> • LUNA2i-R-254 	<ul style="list-style-type: none"> • LUNA2i-R-255 	<ul style="list-style-type: none"> • GTi Pro LITE-TE10 • SRi Pro LITE • Jupiter-Pro 510PLS • Jupiter-R-J1 • LUNA2-R-244 PLUS • DEMI 2 	<ul style="list-style-type: none"> • GTi Pro LITE-TE20 • GTi Pro -TE20 • Jupiter-Pro 505 • Jupiter-R-J2 • LUNA2-R-245 LUS 	<ul style="list-style-type: none"> • LUNA2-R-246 PLUS



* Spray Guns shown above are prepared with Gravity feed, Suction feed, and Pressure feed. (Refer p6~p11)

Automotive refinishing spray guns **DEVILBISS**

Painting is a science!

Welcome to the world of professional painting technology



- Optimum for waterborne paints and high solid paints.
- Ergonomically designed adjustment knobs offer easy handling.
- High transfer efficiency.
- 4 colored snap rings offer easy identification of gun owner, and gun application.

■ 4 colored snap rings

- GTi Pro LITE
- GTi-Pro
- SRi-Pro LITE
- Jupiter Pro

4 colors of red, blue, yellow, black.

■ GTi Pro LITE

- A lightweight DeVilbiss spray gun developed for busy professional painters needing the ultimate in quality finishes.
- Coaxial, low kick air valve design gives smoother feel for even greater air and paint control for ease of fade-outs and blend-ins.
- There are four types of air caps (three types for LVMP, one for HVLP).
 - * TE10 / TE20 / T110 : for base / clear (LVMP)
 - * HV30 : for waterborne (HVLP)

■ SRi-Pro LITE

- 4 types of air caps are provided. MC1 and TE5 for LVMP, HV5 for waterborne paints (HVLP), and RS1 for round spotting (HVLP).

■ Pro Series Specifications

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications / Others
GTi-Pro LITE (Center cup)	LVMP	TE10	1.3/1.4	G (Gravity)	290-310	270	0.2	160-190	629	G 1/4	Special	3.7	For base/clear
		TE20			285-300	360	0.2	170-200					For waterborne
		HV30			300-325	460	0.175	160-190					For base/clear
		T110			260-290	265	0.2	150-190					For base/clear
GTi-Pro (Center cup)	LVMP	TE10	1.3/1.4	G (Gravity)	290-310	270	0.2	160-190	681	G 1/4	Special	3.7	For base/clear
		TE20			285-300	360	0.2	170-200					For waterborne
		HV30			300-325	460	0.175	160-190					For base/clear
		T110			260-290	265	0.2	150-190					For base/clear
SRi-Pro LITE (Center cup)	LVMP	MC1	0.6	G (Gravity)	60	50	0.1	80	500	G 1/4	Special	2.2	For base/clear
		TE5	0.8		160	100	0.2						For metallics / pearls / solids / clears
	HVLP	HV5	1.0		50	55	0.2						For waterborne
		RS1											For round pattern
Jupite Pro (Side cup)	LVMP	510+	1.2/1.3/1.4	G (Gravity)	250	210	0.15-0.2	142	400	G 1/4	G 3/8	2.2	For metallics / pearls
		505			230	305	0.2-0.25						138

* For improvement purposes, Design & Specifications may change without prior notice.

Automotive refinishing spray guns **DEVILBISS**

An ultimate finish starts with an ultimate undercoat

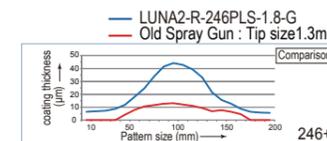
We have a full line up of exclusive guns that fit the needs of each of the above types of coating materials and have greatly improved the workability of automotive refinishing.



- Ultra light "Magnesium" body with PTFE coating (253g)
- Imports LVMP atomization for high transfer efficiency.
- Ergonomically designed grip for comfortable handling.
- Newly designed air valve seal provide additional reinforcement against air leakage.
- New featured fluid tip support improved fluid passage for less contamination on the air cap.
- Attached valves allow improved ease of usability, and adjustability.
- The gun-body is coated with "Jet Black" color, delivering cool and a quality finish.

Primer Surfer Gun

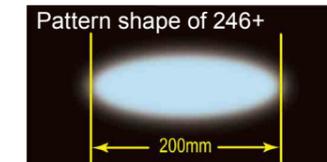
High viscosity Urethane for thick coating is ordinarily used as Primer surfacer paint. Pattern shape suited for Primer surfacer 246+ air cap (center heavy pattern) is excellent for thick undercoating. **Paint cost is saved by reduced numbers of applications.** In addition, 246+ air cap, which has excellent atomization quality with uniform particle size achieves an even and a smooth coated surface. This fine finishing **greatly reduces sanding work** needed for the high quality top coating finish.



Air Cap [246 PLS] (for Primer Surfacers)



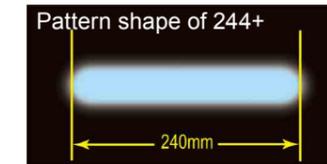
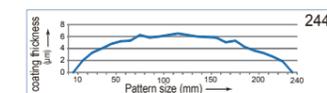
1. High transfer efficiency reduces recoats to achieve the required paint thickness.
 - *Reduction in work fatigue
 - *Saves paint
2. Smooth undercoated surface reduces sanding time
 - *Reduces sanding workload
 - *Saves sandpaper expenses
3. Quality undercoat creates a quality top coat.
 - *For the ultimate finish



Air Cap [244 PLS] (for Metallics/Pearls)



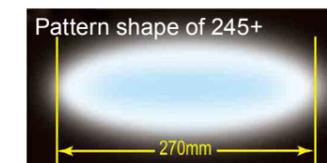
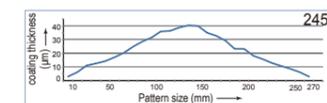
1. Reduces air turbulence and results in less contamination on the air cap.
2. Improves uniformity of the atomization of the whole spray pattern, widens the effective pattern area for easier use.
3. Widened spray pattern and uniformed finishing surface for an overlapping Metallic application.



Air Cap [245 PLS] (for Solids/Clears)



1. Widened spray pattern (260 mm → 270 mm).
2. Center heavy pattern needed for clear coating.
3. Increased maximum flow rate for easier fine surface finish.



■ LUNA2-R PLUS Specifications

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications / Others
LUNA2-R-PLUS	LVMP	244+	1.0/1.3/1.5/1.8	G(Gravity)	240	200	0.1-0.2	85-210	253	G 1/4	G 1/4	2.2	For auto refinishing Metallics / Pearls
			1.3/1.5/1.8	S(Suction)									For auto refinishing Solids / Clears
		245+	1.0/1.3/1.5/1.8	G(Gravity)	270	220							For auto refinishing Solids / Clears
			1.3/1.5/1.8	S(Suction)									For auto refinishing Primer surfacers
246+	1.5/1.8	G(Gravity)	200	200	For auto refinishing Primer surfacers								
	1.5/1.8	S(Suction)											

Automotive refinishing spray guns **DEVILBISS**



LUNA II

*New Super Flat
Wide Pattern
Meet painters' wide-
ranging demands*

Super thin-film flat 254



Decrease uneven finishing result by equable micro particles and wide pattern, realizing easily fine finishing result.

High arched wide 255



Gradual and low arched pattern allows you to realize fine finishing result with wet feeling by equable micro particles.

Model name	Atomization	Air cap No.	Tip size (Φ mm)	Type	Pattern range (mm)	Delivery (ml/min)	Air consumption (l/min)	Air inlet (MPa)	Compressor (kw)	Weight (Gun only) (g)	Air inlet	Fluid inlet	Applications / Others
LUNA2i	LVMP-Hi	254	1.0	G (Gravity)	260	80	191	0.15	2.2	265	G 1/4	G 1/4	Color clears Candy paint High-luminance metallics
			1.3		280	120							
			1.5		295	132							
			1.8	310	155								
			1.3	280	120								
			1.5	295	132								
	255	G (Gravity)	1.0	260	78								
			1.3	290	119								
			1.5	300	130								
		S (Suction)	1.8	320	155								
			1.3	290	119								
			1.5	300	130								
			1.8		320	155						Fine finishing Medium to large workpiece	

* For improvement purposes, Design & Specifications may change without prior notice.



DEVILBISS Fun-cy Pro product line offers 3 types of spray gun (Gravity, Suction, Pressure), various tip sizes (0.8-1.8). It enables to cover a wide variety of spray application such as automotive line, automotive refinishing, coating on metal, plastic, wood and other substrates.

- High transfer efficiency and fine atomization at medium pressure
- Ergonomically design - Improved handling
- Increase maintainability and performance
- Easy adjustment

Fun-cy Pro specifications * For improvement purposes, Design & Specifications may change without prior notice.

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)					Type	Pattern range (mm)	Air consumption (l/min)	Weight (g)	Air inlet	Fluid inlet	Applications / Others
			0.8	1.0	1.3/1.4	1.5	1.8							
FUN-CY Pro	LVMP	L08	○	-	-	-	-	G(Gravity)	130	95l/min 0.15 MPa	320	G 1/4	G 1/4	Low Volume, Spot, Touch-up
		LGS	-	○	○	○	○	G(Gravity) S(Suction)	190-300	225l/min 0.2MPa	338			Mid-High Volume, Auto-Refinishing Metal / Wood / Plastic Finishing
		LP2	○	○	○	○	○	P(Pressure)	170-385	230l/min 0.2MPa	344			Low-High Volume, Metal / Wood / Plastic Finishing



Multi-mini spray guns active in a wide range of applications and purposes.

- **New Atomization Technology LVMP-FC (Flow Control)**
This new atomization technology, ultra-low pressure range can be easily boosted and adjusted by controlling the air flow and reducing waste.
- **Low Air Consumption Air Cap**
Air Caps are designed for exclusively small flow rate use and it provides Compared to the traditional products, air consumption for DL6 (60l/min) or DL8 (80l/min) is reduced by 15%-30%.
- **Innovative Light-Weight Design**
Our innovative design includes a focus on the shape. Weight is always the bottleneck for the traditional forged body, but this light one weighs only 190g and fits in your hand well.

DEMI 2 specifications * For improvement purposes, Design & Specifications may change without prior notice.

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications / Others
DEMI 2	LVMP-FC	DL6	0.5	G (Gravity)	Max. 80	60	0.1	23	190	G 1/4	G 1/4	0.75	Photocatalysts, Lure, Toy, Spot
			0.8		Max. 120	51							
			1.1		Max. 130	77							
		DL8	0.5	Round	20	23							
			0.8		51								
			1.1		77								

Automotive refinishing spray guns **DEVILBISS**

**The world's first
magnesium
center cup
spray gun**

NEPTUNE



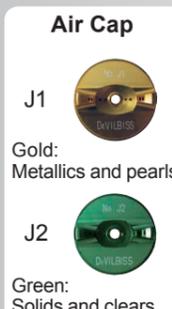
The world most successful premium gun manufacturer for automotive refinishing "DeVilbiss" launches new center cup gun.

- Gun Body : Magnesium gun body with PTFE coating prevents from stains on its surface and for easy cleaning. All new ergonomic gun design ensures incredible handling and balance.
- Air Valve : Coaxial, inline less kick air valve provide with smooth trigger action and control for ease of gradation, fade-out and blend-into.
- Air Cap : 110B air cap is made of plated brass to be durable and its air atomization technology is LVMP (Also called TransTech or Compliant).
- Stainless steel fluid passage, needle and air inlet : The fluid passage, needle and air inlet are made of stainless steel, compatible with all types of paints including waterborne.

NEPTUNE specifications * For improvement purposes, Design & Specifications may change without prior notice.

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Applications / Others
NEPTUNE	LVMP	110B	1.2	G(Gravity)	Max. 300	288	0.15	146	379	G 1/4	Special	Automotive Refinishing, Basecoat, clearcoat
			1.3					161				
			1.4					173				

Jupiter



Jupiter cup (KGL-400-FA-JT) is sold separately

Suction type



The Jupiter gun inherits the spirit of the 'GTi-Pro' pro series handgun, and is a fusion of the high level technology found on the LUNA and APOLLO space guns, including the environmentally friendly lightweight magnesium body. Here are some of its exciting features:

- Super light magnesium body with PTFE coating.
- Body design based on ergonomic engineering (used on the UK-PRO series)
- 2 types of advanced air caps: (J1: For metallic & pearl / J2: For solid & clear paint)
- LVMP system developed by the DeVilbiss.
- Various fluid tips provided from Φ1.0-Φ1.5, Φ1.8. The air caps have won high praise, even in test-matches with various paint manufacturer's principal paint.
- Improved ease of use and maintainability.
 - * Self-adjusting needle packing. (used on the UK-PRO series)
 - * Smooth operating air valve structure.
 - * Adoption of new air valve structure design reduces trigger pull 'kick phenomenon'. (used on the UK-PRO series)
 - * Easy trigger removal and re-installation.
 - * New air cap design reduces contamination buildup.
 - * Easy gun identification with 4 color-coded snap-rings. (used on the UK-PRO series)

Jupiter-R Specifications

* Condition • Tip Size : Φ1.3 mm • Air Inlet pressure : 0.15 MPa

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications / Others	
JUPITER-R	LVMP	J1	1.0/1.1/1.2 1.3/1.4/1.5/1.8	G(Gravity)	250	180	0.1-0.2	120*	340	G 1/4	G 1/4	2.2	For metallics / pearls	
			1.3/1.4/1.5 1.8	S(Suction)										
		J2	1.0/1.1/1.2 1.3/1.4/1.5/1.8	G(Gravity)	280	175	140*							For solids / clears
			1.3/1.4/1.5/1.8	S(Suction)										

* For improvement purposes, Design & Specifications may change without prior notice.

For waterborne application

LUNA II-W



Exclusively for Waterborne

- Low pressure type (HVLP=High Volume Low Pressure). High volume air dehydrates water in the paint, maximize transfer efficiency, and minimize nonuniformity spraying.
- Recyclable magnesium gun body.
- The surface of gun body is coated with an eco-friendly, non-plated PTFE coating.
- The air cap of LUNA Mk-II-W is TUFRAM treated for less contamination around the air cap.
- Stainless steel trigger for waterborne use.
- Imports side entry gravity cup to ensure precise spraying and clear view of the coating object.
- Imports side entry gravity cup to ensure precise spraying and clear view of the coating object.

LUNA Mk-2-W specifications

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications / Others
LUNA2-W	HVLP	WH	1.3	G(Gravity)	230	220	0.2	140	267	G 1/4	G 1/4	2.2	For waterborne

* For improvement purposes, Design & Specifications may change without prior notice.

General purpose spray guns



Space Gun series

DeVilbiss' Space Gun leads a step forward in "Environmental care". Eco-Friendliness, ultra lightness, and high performance (high atomization, high transfer efficiency, low air consumption) are the three areas DeVilbiss leads. The Space Gun series is a pioneer product that is leading the way in eco-friendliness.

■ Apollo

- World's first Magnesium gun to achieve ultra lightness.
- Apollo uses quality trusted JGA air caps (conventional type) to achieve best atomization.
- To achieve high transfer efficiency, LVMP atomization is employed.
- Various air caps and tips matching wide range of applications

■ LUNA2-K

- Magnesium die-casting gun body is durable, light, and handy (265g).
- Ergonomically designed grip for comfortable handling.
- Imports LVMP atomization for high transfer efficiency.
- PTFE coated gun body reduces paint adhesion and maintenance time.



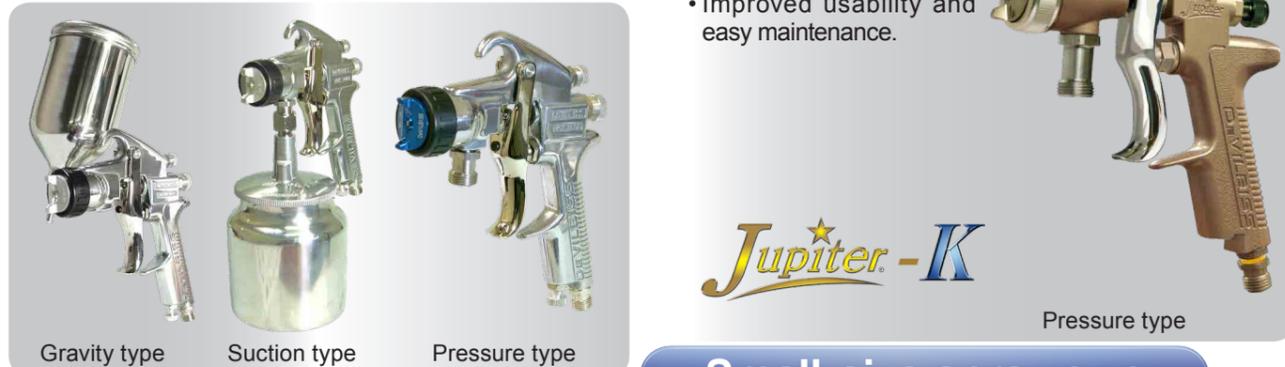
Mid-size spray gun

■ JGX-502

- Improvements on compactness with the specifications of DeVilbiss best selling JGA specifications.

■ Jupiter-K

- PTFE coated magnesium body for ultra lightness.
- Improved usability and easy maintenance.



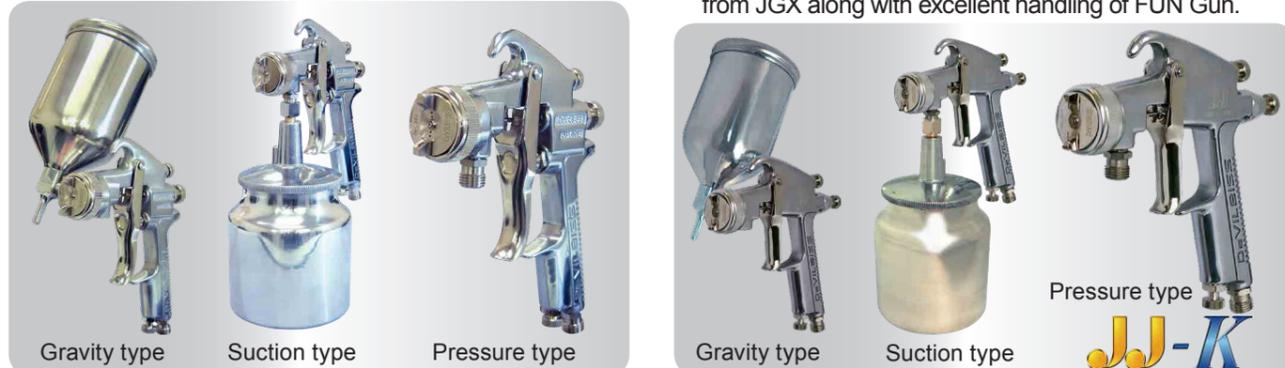
Small-size spray gun

■ JGX-508

- Light weight, compact & easy operation high performance spray gun featuring finest atomization.

■ JJ (JGX-Junior) / JJ-K

- Lightness, compact body, and atomization is passed on from JGX along with excellent handling of FUN Gun.



Apollo : Selection of air cap, fluid tip and gun type

■ LVMP Specifications

Air cap No.	Pattern range (mm)	Type	Air consumption l/min (MPa)	Fluid tip size (mm)						Compressor (kW)	Applications
				0.7	1.1	1.4	1.6	1.8	2.2		
807	300	P	280(0.25)	○	-	○	-	-	○	2.2-3.7	Automotive, Fine finishing
805	220	P	280(0.25)	○	-	○	-	-	○	2.2-3.7	Automotive, Fine finishing
805MT	220	P	280(0.25)	-	○	-	-	○	-	2.2-3.7	Automotive, Fine finishing
110	250	S/G	230(0.2)	-	-	-	-	○	-	2.2-3.7	Automotive refinishing

↳ G: Gravity type / S: Suction type / P: Pressure type

■ Conventional type Specifications

Air cap No.	Pattern range (mm)	Type	Air consumption l/min (MPa)	Fluid tip size (mm)									Compressor (kW)	Applications
				0.7	1.1	1.4	1.6	1.8	1.8	2.2				
43	300	S/G	291 (0.28)	-	-	○	-	-	-	○	-	-	2.2-3.7	Auto refinishing, Metallic
64	360	P	386 (0.28)	-	-	-	-	-	-	-	○	-	2.2-3.7	Heavy body, Procelain glazes
67	360	P	462 (0.35)	-	-	-	-	-	○	-	-	-	2.2-3.7	Procelain glazes
186	340	S/G	274 (0.28)	-	-	-	○	○	-	○	-	-	2.2-3.7	Auto refinishing, Metallic
704	230	P	347 (0.28)	○	○	○	-	-	-	-	○	-	2.2-3.7	General
705	230	P	344 (0.28)	○	○	○	-	-	-	-	-	-	2.2-3.7	General
765	360	P	412 (0.35)	-	○	○	-	-	-	-	○	-	2.2-3.7	General, Fine finishing
777	360	P	487 (0.35)	-	○	○	-	-	-	-	○	-	2.2-3.7	Automotive, Metallic, Adhesive
797	360	P	493 (0.35)	-	○	○	-	-	-	-	○	-	2.2-3.7	Automotive, Metallic
799	360	P	493 (0.35)	-	○	○	-	-	-	-	-	-	2.2-3.7	Automotive, Metallic

↳ G: Gravity type / S: Suction type / P: Pressure type

General purpose spray gun Specifications

Model name	Atomization	Air cap No.	Fluid tip size (Φ mm)	Type	Pattern range (mm)	Air consumption (l/min)	Air inlet pressure (MPa)	Delivery (ml/min)	Weight (g)	Air inlet	Fluid inlet	Compressor (kW)	Applications		
LUNA2-K	LVMP	PL1	GY (0.8)	P	170	205	0.20	200	265	G 1/4	G 1/4	2.2-3.7	Wood, Plastic, General metal		
	Conventional	PL2	FX (1.1)		220									0.29	300
		PL3	FF (1.4)		240									0.29	300
APOLLO-C	Conventional	43	1.4/1.6/1.8	G	110-250	290	0.28	150-240	367	G 1/4	G 1/4	2.2-3.7	For base coat, Clear coat		
		186	1.4/1.6/1.8	S							G 3/8				
APOLLO-L	LVMP	110	1.4	G	250	230	0.20	210	367	G 1/4	G 1/4	2.2-3.7	For base coat, Clear coat		
				S							G 3/8				
JJ	Conventional	203	0.8	G	100	80-220	0.10	50-240	330	G 1/4	G 1/4	0.75-2.2	Low flow rate, Spot & Touch-up refinishing, Mid/High flow rate		
		243	1.0/1.3/1.5/1.8		250									0.20	
JJ-K	Conventional	203	0.8	G/S	100	80	0.10	160	145	160	G 1/4	G 1/4	1.5	Wood, Plastic, General metal	
		303	1.0		140										85
		304	1.3/1.5/1.8		160										145
		343	1.0		160										145
	LVMP	305MT	0.8/1.0/1.3	P	220	220	0.20	300	350	G 1/4	G 1/4	2.2			
		307MT	0.8/1.0/1.3		220	220	0.20	300							
Jupiter-K	LVMP	P1	FX (1.1) FF (1.4)	P	250	200	0.20	-500	348	G 1/4	G 3/8	2.2	Wood, Plastic, General metal		
	Conventional	P2			300									550	0.24
		P3			400									550	0.24
JGX-502	Conventional	103	GY(0.8)	G	100	80-260	0.10	50	430	G 1/4	G 1/4	1.5-2.2	Low flow rate, Spot & Touch-up refinishing, Mid/High flow rate, Fine atomization		
		143	FX(1.1) / FF(1.4) / EX(1.8)		250			85-240						440	
		165	FX(1.1) / FF(1.4)		300			440						100-300	440
JGX-508	Conventional	343	1.1	G	250	220	0.24	125	415	G 1/4	G 1/4	1.5	Automotive refinishing		
			1.4					150							
			1.1					100							
		1.4	145												
		1.8	200												
		1.1	120												
	LVMP	305	1.4	P	300	200	0.20	170	415	G 1/4	G 1/4	1.5	Automotive refinishing Wood, plastic and metal		
			1.1					120							
			1.4					170							

Condition : Distance from cap = 200 mm / Paint viscosity = 20 sec(IHS) ♦13 sec(IHS)

* For improvement purposes, Design & Specifications may change without prior notice.

Auto spray guns



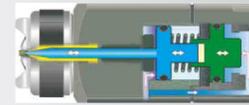
For Robot-mounting compact auto guns



(Stainless steel body)



(Aluminum body)



2 Step triggering system (Patent pending)

■ T2AGPV

- The T2AGPV incorporates all the feature of the T-AGPV a standard compact spray gun in the market and also...
 - More durable
 - Easier to clean
 - Easier to maintain

The T2AGPV: An even higher class of automatic spray gun.

■ T-AGPZ

- Detachment system for easy maintenance and installation.
- 2 step triggering system for a dramatically improved cleaning process.
- Perfectly suited to coat small objects.



■ T-AGPV

- Tool-less half-twist detachment system for easy maintenance and installation.
- Widely used with robot systems.
- Perfectly suited to coat mid to large objects.



■ T-AGHV

- Stainless steel body for robust performance.
- Suited for low pressure high air flow / mid pressure high air flow.



■ T-AGB

- Aluminum, stainless steel, and highly corrosion resistance stainless steel body types for wide range of application.

Stationary mounting auto guns for manufacturing line



■ AGX / AGXV

- Various air caps to select for different application.
- Straightforward design ensures trusted durability.



■ DA-300

- Compact, high performance, fine atomization, high transfer efficiency, and good cost performance.

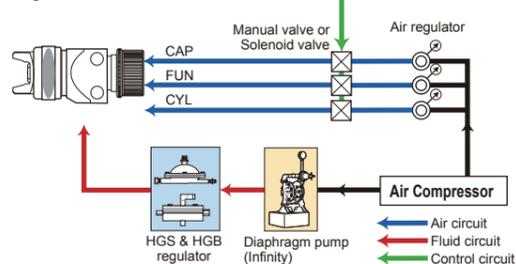
■ Compact guns for mounting on the robots.

Air valves are not mounted on compact auto guns. Refer to the system chart below.

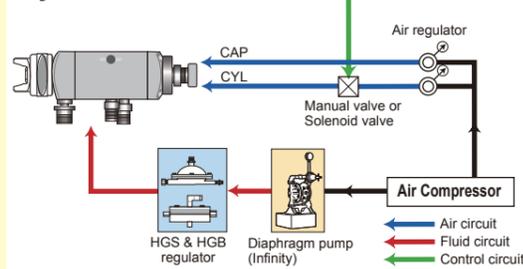
T2AGPV / T-AGPV / T-AGHV / T-AGPZ / T-AGB

AGXV / AGX / DA-300

System chart



System chart



Model name	Weight	Applications
T2AGPV	730 g(SUS) & 366g(Al)	Designed for robot-mounting. Mid/high flow rate. Stainless steel body & Aluminum body
T-AGPV	370g	Designed for robot-mounting. Mid/high flow rate
T-AGPZ	550g	Designed for robot-mounting. Low flow rate
T-AGHV	510g	Designed for robot-mounting. Mid/high flow rate
T-AGB-862	270g	Designed for robot-mounting. Mid/high flow rate. Aluminum body, Lightweight
T-AGB-872	540g	Designed for robot-mounting. Mid/high flow rate. Stainless steel body
T-AGB-873	540g	Designed for robot-mounting. Mid/high flow rate. Nitride steel nozzle. Liquid for wear. Abrasive application
T-AGB-874	540g	Designed for robot-mounting. Mid/high flow rate. For abrasive application
T-AGB-879	530g	Designed for robot-mounting. Mid/high flow rate. All stainless steel. For corrosive liquid
T-AGB-882	530g	Designed for robot-mounting. Mid/high flow rate. High corrosion-resistant Stainless. For corrosive liquid
T-AGB-773	600g	Designed for robot-mounting. Mid/high flow rate. Nitride steel nozzle, needle. For procelain glazes
T-AGB-774	600g	Designed for robot-mounting. Mid/high flow rate. TC nozzle, needle, For procelain glazes
DA-300	507g	Designed for automatic machine, Stationary mounting. General purpose
AGX-550	728g	Designed for automatic machine, Stationary mounting. General purpose
AGX-552	728g	Designed for automatic machine, Stationary mounting. For porcelain glazes
AGX-553	728g	Designed for automatic machine, Stationary mounting. For porcelain glazes
AGXV-541	740g	Designed for automatic machine, Stationary mounting.
AGXV-541-TC	740g	Designed for automatic machine, Stationary mounting. For porcelain glazes

Specifications (Auto Spray gun)

Model name	Atomization pressure (MPa)	Fluid pressure (MPa)	Operating pressure (MPa)	Fluid inlet	Cylinder air inlet	Atomization air input	Pattern air inlet	Weight (g)	
LVMP	0.1-0.4	0.7	0.35-0.7	G 3/8 Standard G 1/4 (option)	G 1/4	G 1/4	-	740	
			0.35-0.5	6x4Φ Fluid tube	6x4Φ Air tube	6x4Φ Air tube	6x4Φ Air tube	730(SUS) 366(Aluminum)	
								-	
								370	
			R 1/8	R 1/8	R 1/8	R 1/8	510		
			G 1/4	G 1/4	G 1/4	-	507		
L-press. atomization	T-AGPZ	0.1-0.3	0.69	0.25-0.4	6x4Φ Fluid tube	6x4Φ Air tube	6x4Φ Air tube	6x4Φ Air tube	550 (Full-auto)
Conventional	AGX	0.1-0.7	0.7	0.35-0.7	G 3/8 Standard G 1/4 (option)	G 1/4	G 1/4	-	728

* For improvement purposes, Design & Specifications may change without prior notice.

Air cap selection table (Auto Spray Gun)

Air cap No.	Atomization	Compatible models	Fluid tip size																Applications			
			G (0.7)	GX (0.7)	GD (0.7)	0.8	1.0	FX (1.1)	DFX (1.1)	1.1	FF (1.4)	1.4	FW (1.6)	DFW (1.6)	E (1.8)	EE (1.8)	1.8	D (2.2)		AC (2.8)		
62	Conventional	AGX T-AGB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	Architecture material	
64			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○	-	Porcelain glazes, Adhesive
67			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Porcelain glazes
704			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wood
705			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wood
765			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Automotive body
777			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Automotive body
797			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Automotive body
805			-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Bumper, Automotive body
807			-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wheel, Automotive body
805MT			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Headlamp, Lap top
805MT2			○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Headlamp, Lap top
807MT2			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wheel, Automotive body
305MT			-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mobile phone, fishing rod
307MT			-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wheel, Lap top
345	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Wheel, Lap top		
Z1	Low pressure atomization	T-AGPZ	-	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-	Mobile phone, Small parts		

Special Auto Spray Gun



AGX : Auto gun with extension nozzle

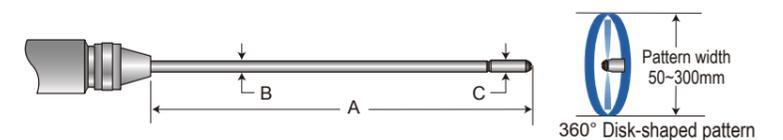
Auto guns for coating the inner surface of pipes.

■ Specifications

Model name	A	B	C
AGX-5021	305 mm	Φ10 mm	Φ9.5 mm
AGX-5022	457 mm		
AGX-5023	610 mm		
AGX-5024	914 mm		
AGX-5025	1067 mm		



- * Length of the handle is adjustable upon request.
- * Hand gun types are available upon request.



360° Disk-shaped pattern

Fluid Cups (Gravity & Suction type)

DEVILBISS

KGL-400-FA-JT
(Free angle type)



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Anodized aluminum

(Champagne gold)

Gravity type

Apply spray gun :
Jupiter-R

KGL-400-FA-ST
(Free angle type)



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Anodized aluminum

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KGL-600



■ Specifications
Fluid connection : G1/4
Capacity : 600 ml
Material : Anodized aluminum

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KG-400C-FA
(Free angle type)



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Stainless Steel

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KG-400T
(PTFE Coated)



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Stainless Steel

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KG-400C



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Stainless Steel

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KGL-150-FA-DEMI-ST
(Free angle type)



■ Specifications
Fluid connection : G1/4
Capacity : 150 ml
Material : Anodized aluminum

Gravity type

Apply spray gun :
DEMI2

KG-250-FA-DEMI
(Free angle type)



■ Specifications
Fluid connection : G1/4
Capacity : 250 ml
Material : Stainless Steel

Gravity type

Apply spray gun :
DEMI2

KGP-4



■ Specifications
Fluid connection : G1/4
Capacity : 400 ml
Material : Plastic

Gravity type

Apply spray gun :
Apollo / JJ / JJ-K / JGX
LUNA2-R PLUS / LUNA2i

KR-470-1C



■ Specifications
Fluid connection : G3/8
Capacity : 700 ml
Material : Aluminum

Suction type

Apply spray gun :
Apollo / JGX

KR-470-2C



■ Specifications
Fluid connection : G1/4
Capacity : 700 ml
Material : Aluminum

Suction type

Apply spray gun :
Jupiter & Pro / JJ / JJ-K
LUNA2-R PLUS

KR-555-1A/2J
(Clamp type)



■ Specifications
KR-555-1A
Fluid connection : G3/8
Capacity : 1000 ml
Material : Aluminum
KR-555-2J
Fluid connection : G1/4
Capacity : 1000 ml
Material : Aluminum

Suction type

Apply spray gun :
1A: Apollo / JGX 2J: JJ / JJ-K
/ LUNA2-R PLUS / Jupiter

TLC-555
(PTFE Coated)



■ Specifications
Fluid connection : G3/8
Capacity : 400 ml
Material : Anodized aluminum

Suction type

Apply spray gun :
Apollo / JGX

KB-555



■ Specifications
Air connection : G1/4
Fluid connection : G3/8
Capacity : 2000 ml
Material : Aluminum

Remote cup

Apply spray gun :
Jupiter-K / JGX
Pressure gun only

Pressure tanks

DEVILBISS

Pressure Tanks

Pressure tanks are designed for low or mid viscosity applications under the pressure of 0.3 MPa.

Specifications

DPT-20A : With air motor agitator
DPT-20H : With manual agitator
Max. pressure : 0.3 MPa
Capacity : 20l
Fluid passage material : Stainless steel, Aluminum, Brass

Standard accessories : Stainless steel typed inner container, rollers.

■ DPT-20A



■ DPT-20H



Fluid Regulators

DEVILBISS

Fluid Regulators

- Fluid passages of all regulators are stainless steel (SUS 303).
- Various types of models to choose from according to purpose.
- HGB types are easier to clean due to reduced paint residue in the fluid passage.

Model name	Pressure adjustment		Primary pressure	Secondary pressure	Maximum flow	Pressure gauge yes / no	Applications
	Manual	Pilot air	Min./Max.	Min./Max.	Input pressure		
HGB-509	○	-	0.2/1.25	0.05/0.5	13 l/min	no	For general use
HGB-609-1.2	○	-	0.1/0.8	0.015/0.12	8.3 l/min	yes 0-0.25	For low pressure
HGB-609-5	○	-	0.2/1.25	0.05/0.5	13 l/min	yes 0-0.6	For general use
HGB-609-9	○	-	0.3/1.5	0.1/0.9	13 l/min	yes 0-1.0	For general use
HGB-510-R1	-	○	0.2/1.5	0.05/1.5	1.6 l/min	no	For general use
HGB-510-R2	-	○	0.1/1.5	0.015/0.7	1.3 l/min	no	For system link
HGB-510-R4	-	○	0.1/1.5	0.015/0.4	0.8 l/min	no	For system link
HGB-510-R4PZ-05	-	○	0.1/1.5	0.015/0.4	0.25 l/min	no	For system link, small delivery
HGB-510-R4PZ-07	-	○	0.1/1.5	0.015/0.4	0.35 l/min	no	For system link, small delivery

Size : MPa



Model	Pressure adjustment		Fluid inlet 1/4 PS		Fluid outlet		Weight (g)
	Manual	Pilot air	Circulation type	Non-circulation type	3/8" Nut	1/4" Stand (pipe)	
HGS-5112	-	○	○	-	○	-	212
HGS-5113	-	○	○	-	○	○	257
HGS-5132	-	○	-	○	-	-	188
HGS-5212	○	-	○	-	○	-	210

Specifications

Primary fluid pressure : 0.35 MPa (Min.)-2.1 MPa (Max.)
Secondary pressure adj. range : 0.014 MPa-0.7 MPa
Fluid flow range : 150-2,500 ml/min (Standard)

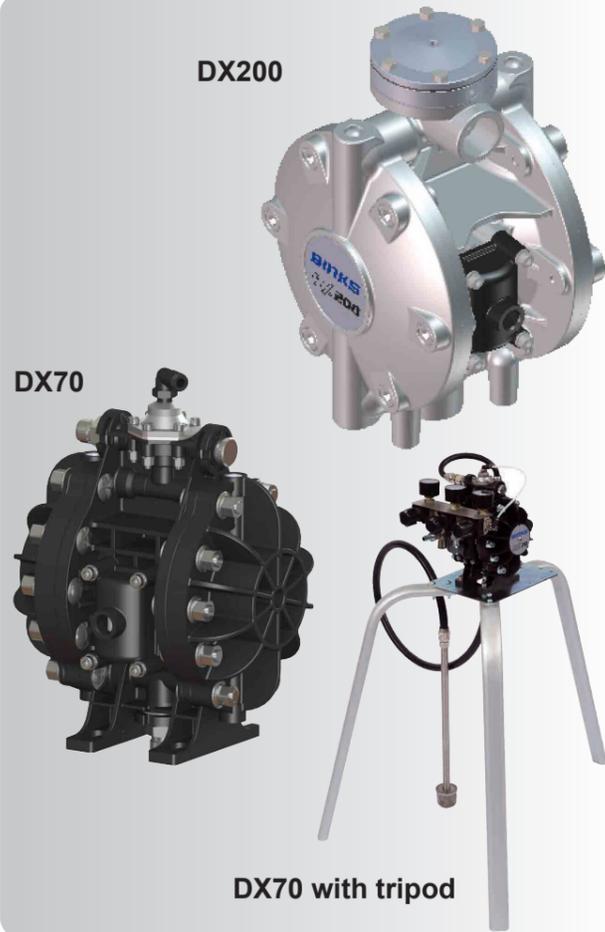
NBP-101

Back pressure valve for small circulation pump and diaphragm use.

Pipe diameter : Input 1/4 PT, Output 3/8 PF
Pressure adjustment range : 0.1 MPa-0.5 MPa
Delivery : 20l/min (Max)

- NBP-101 Back pressure valve
- HGB-609 with gauge
- HGB-509 for manual adjustment
- HGB-510-R1/R2/R4 Remote air adjustment (System link)
- HGS Gun regulator

Diaphragm Pumps



Description

The DX Pump series is a diaphragm pump made from compounds including Viton rubber and polytetrafluoroethylene (PTFE), using the up-and-down movement to pump various types of liquids.

A special change over mechanism of the air supply (patent pending) assures a non-stalling feature as well as the possibility to run the pump even at very low air pressures.

Model equipped with a built-in fluid regulator to make the pressure adjustable is also available.

Main features of DX pump series

- Low surge.
- Low & easy maintenance.
- Model with built-in fluid regulator available.
- Intelligent change over mechanism (patent pending).
- Proven materials of conductive acetal compounds.
- Patented design diaphragm provides longer life compared to standard diaphragm.

■ With fluid regulator

- DX70 R-00 ● DX200 AR-00 ● DX200 SR-00

■ Without fluid regulator

- DX70 N-00 ● DX200 AN(AM)-00 ● DX200 SN(SM)-00

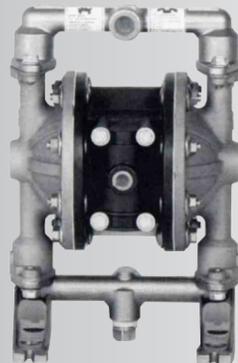
■ Specifications

Model name	Fluid section	Flow per cycle (l)	Max flow at 15 cycles (l/min)	Ratio	Fluid pressure at 6 bar air
DX 70 DX70N-FF-1	Plastic	0.070	1.05	1:1	0.6 MPa
DX 200	Al/SS	0.200	3.0	1:1	0.6 MPa
DX 200-3	SS	0.200	3.0	3:1	1.8 MPa

Model name	PRIMARY FUNCTION
DX 70 DX70N-FF-1	Direct spray application
DX 200	Direct spray application & Paint circulation
DX 200-3	Paint circulation

* For improvement purposes, Design & Specifications may change without prior notice.

Infinity



818830
818831

Gemini II



41-818823

Main Features (Infinity/Gemini II)

- Ideal for standard air spray gun, or HVLP/LVMP gun applications.
- High volume transfer.
- Used in place of pressure tanks when the application requires two or more tank refills per shift.
- Best for abrasive material due to its superior durability.
- Large bore passages designed for shear sensitive materials.
- In case of dry running, damage can be minimized.

Model name	Fluid section	Flow per cycle (l)	Max flow at 15 cycles (l/min)	Ratio
818830	SS	0.150	49.2	1:1
818831	Conductive acetal	0.083	26.5	1:1
41-818823	Al/SS	0.600	9.0	1:1

* For improvement purposes, Design & Specifications may change without prior notice.

World DeVilbiss Spray Guns



JGA HD

Pressure Spray Gun for Enamel, Ceramic and Glaze Applications



- The gun body is produced from drop forged aluminum.
- The standard gun comes with stainless steel fluid tip and needle. The hardened tip and needle and tungsten carbide type are also available as options.

■ Specifications

Air Cap No.	Tip size	Air Flow (0.34 MPa, l/min)
62HD	2.8 mm	502
64HD	2.2 mm	488
67HD	1.8 mm	539
69HD	2.2 mm	572

AGN-502

Automatic Spray Gun for Ceramic and Enamel Applications



- Needleless, diaphragm automatic spray gun (on/off by diaphragm). Thus no needle wearing.
- The gun body is compact and light weight.
- Equipped with high grade stainless steel fluid tip.
- As an option there is a hardened nitralloy steel Fluid Tip available.

AG-360 Series

Low Pressure Air Atomization Automatic Spray Gun Range

- Either a conventional, HVLP (large air volume, low air pressure) or LVMP (low air volume, medium air pressure) atomization method can be selected.
- Simple construction and easy maintenance for minimal down-time
- Quick detachable mounting manifolds provide fast and easy maintenance.
- Stainless Steel Fluid Passageways for Waterborne & Solvent based coating applications.
- Compact size and weight for easy positioning and precise alignment.
- Multiple options and formats to evolve for all application requirements.

■ Specifications

Model Name	Dimensions (L)×(H)×(W)	Weight
AG-361	140×67×44 mm	668g
AG-362	122×67×44 mm	557g
Manifold	Dimensions (L)×(H)×(W)	Weight
Cam Manifold	60×44×53 mm	347g
Screw Manifold	59×63×20 mm	268g
Automatic Gun	Air Inlet Pressure	Fluid Inlet Pressure
AG-361/AG-362	0.7 MPa	0.7 MPa

AG-361E

Ceramic & Enamel Industry Gun



AG-362

Industrial Coating Gun



AG-363

Air Assisted Airless Automatic Spray Gun



DAGR Airbrush



DGR-501G-35



DGR-501G-35

Hairline detail to high paint-flow shading and gradual fades.

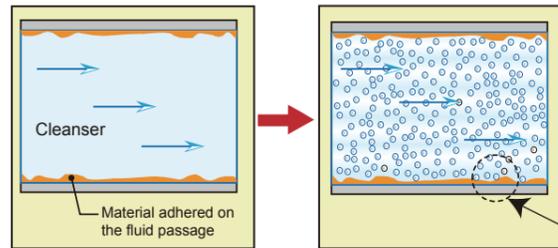
■ Specifications

Operating Pressure	0.3 - 0.34 MPa
Fluid Tip	0.35 mm
Cup capacity	About 9 ml
Air Hose Connection	1/4" NPS(M)

Quick Cleaners



Cleans the inner hose and fluid passage quickly and efficiently. Save cleaning time and reduce consumption of solvent by flushing out the paint in the fluid passage used with mixing air and solvent.



Air is mixed with the cleanser, flowing through the fluid passage at high pressure. Materials in the fluid passage are scraped off by the air bubbles in the mixed fluid, saving time.

The difference in the cleansing time	
Cleaning low viscosity materials:	cleansing time
* Using the Quick Cleaner	6.6 seconds
* Using the thinner	8.3 seconds
Cleaning high viscosity materials:	cleansing time
* Using the Quick Cleaner	11.5 seconds
* Using the thinner	14.7 seconds

- Condition:
- Application used : 12 sec / IHS • Gun diameter : 1.0 mm
 - Fluid tube : PTFE 6x4 mm • Tube length : 2.5 m



HD-505-W

Specifications

- Solvent capacity : 5l
- Air inlet : G 1/4
- Solvent outlet : G 3/8
- Air pressure : 0.69 MPa (Max)
- * Reduce the air pressure with a regulator according to usage



HD-510

Specifications

- Solvent capacity : 10l
- Air inlet : G 1/4
- Solvent outlet : G 3/8
- Air pressure : 0.69 MPa (Max)
- * Reduce the air pressure with a regulator according to usage.
- * Organic solvent.

Air Transformer



QC3

It is the air regulator integrated with air cleaner.

- Excellent filtering results
- Filter is equipped with a replacement indicator.
- Less pressure depression, compared to other manufacturer's products.

Specifications

- Model name : QC3
- Filter size : 0.1μ
- Air processing speed : 780 l/min
- Pressure depression : 0.014 MPa
- Maximum pressure : 1.05 MPa
- Maximum temperature : 65 °C

Various joints



Quick joint for fluid

Quick joint for air

QDL-4808 (Quick joint / female)



- Specifications
- Fluid passage : SUS & Polyacetal resin
 - Caliber : 3/8 PF

Various adapter

AD-404J



- Specifications
- Material : Brass (plating)
 - Caliber : 3/8 PF - 1/4 PF

P-HC-4808 (Quick joint / female)



- Specifications
- Fluid passage : Aluminum
 - Caliber : 3/8 PF

PH-4105



- Specifications
- Material : Brass (plating)
 - Caliber : 1/4 PF - 3/8 PF

HC-4691 (Quick joint / male)



- Specifications
- Fluid passage : SUS
 - Caliber : 3/8 (Swivel)

ADP-2



- Specifications
- Material : Brass (plating)
 - Caliber : 1/4 PF - 1/4 PF

AD-22SMF (Socket)



- Specifications
- Material : Brass
 - Caliber : 1/4 PF

AD-22PFF (Plug)



- Specifications
- Material : Brass
 - Caliber : 1/4 PF

Hose sets



Air hose set



■ Air hose set (Orange) with G1/4 nut on both sides.

Part No.	I.D	O.D	Length	Material
DAH-10	6.5 mm	10 mm	10 m	Polyurethane with reinforcing fiber
DAH-20			20 m	
DAH-30			30 m	

Fluid hose set



■ Fluid hose set (Clear) with G1/4 nut on both sides.

Part No.	I.D	O.D	Length	Material
DPH-10-2	7.5 mm	10.5 mm	10 m	Polyurethane with reinforcing fiber (grounded) & Nylon
DPH-20-2			20 m	
DPH-30-2			30 m	

■ Fluid hose set (Clear) with G1/4 nut on one side, and G3/8 nut on side other.

Part No.	I.D	O.D	Length	Material
DPH-10-3	7.5 mm	10.5 mm	10 m	Polyurethane with reinforcing fiber (grounded) & Nylon
DPH-20-3			20 m	
DPH-30-3			30 m	

The hose I.D and pressure loss

Hose I.D	Length	Air flow			
		425 l/min	510 l/min	570 l/min	710 l/min
Φ 6 mm	6 m	0.14 MPa	0.18 MPa	0.2 MPa	0.24 MPa
Φ 8 mm	6 m	0.05 MPa	0.07 MPa	0.084 MPa	0.14 MPa
Φ 10 mm	6 m	0.02 MPa	0.03 MPa	0.034 MPa	0.05 MPa

* For example, when using a hose with a 6 mm diameter at an air flow rate of 710 l/min, there will be a 0.24 MPa loss at 6 m length. When using a 10 mm hose, the pressure loss will be reduced to 0.05 MPa at the same length.

Viscosity conversion table

Viscosity cP	Ford cup #3	Ford cup #4	IWATA cup NK-2	Zahn cup #2	Zahn cup #5	Din cup #5	Unit : sec
							Krebs Unit KU
10	-	5	-	16	-	10	-
15	-	8	-	17	-	11	-
20	12	10	-	18	-	12	-
25	15	12	-	19	-	12	-
30	19	14	10	20	-	14	-
40	25	18	15	22	-	15	-
50	29	22	18	24	-	16	30
60	33	25	23	27	-	18	33
70	36	28	27	30	-	21	35
80	41	31	31	34	-	23	37
90	45	32	34	37	-	25	38
100	50	34	37	41	-	27	40
120	58	41	43	49	-	31	43
140	66	45	48	58	-	34	46
160	-	50	54	66	-	38	48
180	-	54	58	74	-	43	50
200	-	58	63	82	10	46	52
220	-	62	67	-	11	51	54
240	-	65	72	-	12	55	56
260	-	68	74	-	13	58	58
280	-	70	77	-	14	63	59
300	-	74	-	-	15	68	60
320	-	-	-	-	16	72	-
340	-	-	-	-	17	76	-
360	-	-	-	-	18	82	62
380	-	-	-	-	19	86	-
400	-	-	-	-	20	90	64
420	-	-	-	-	21	95	-
440	-	-	-	-	22	100	-
460	-	-	-	-	23	104	66
480	-	-	-	-	24	109	67
500	-	-	-	-	25	112	68
550	-	-	-	-	27	124	69
600	-	-	-	-	30	135	71
700	-	-	-	-	35	160	74
800	-	-	-	-	40	172	77
900	-	-	-	-	45	195	81
1,000	-	-	-	-	49	218	85
1,100	-	-	-	-	55	-	88
1,200	-	-	-	-	59	-	92
1,300	-	-	-	-	64	-	95