

## Accessories

### 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.

### Related equipment for pressure type spray gun

#### ■ Pressure tanks

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

##### DPT-20A



##### DPT-20H



##### KB-555 / 545-SS

##### Remote cup



##### ■ Specifications

Air connection : G1/4  
Fluid connection : G3/8  
Capacity : 2000 mL  
KB-555  
Material : Aluminum  
KB-545-SS  
Material : Stainless Steel

#### ■ 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.

#### ■ Diaphragm pumps

The DX Pump Series is a Family of positive displacement pumps that use a combination of the reciprocating action of a rubber and PTFE composite diaphragm and suitable check valves to pump literally any known fluid.

##### DX70



##### DX200



#### ■ Hose set



Air hose set



Fluid hose set

- Air hose set with G1/4 nut on both sides.

DAH-10/20/30 Length : 10/20/30m I.D : 6.5 mm O.D : 10 mm

- Fluid hose set with G1/4 nut on both sides.

DPH-10/20/30-2 Length : 10/20/30m I.D : 7.5 mm O.D : 10.5 mm

- Fluid hose set with G1/4 nut on one side, and G3/8 nut on side other.

DPH-10/20/30-3 Length : 10/20/30m I.D : 7.5 mm O.D : 10.5 mm

### Frequently asked questions

Questions	Answers
• What conditions are required for applying releasing agent?	A small diameter (0.8/1.0 mm) and high-performance atomization. ... (EX): JJ-K/LUNA2-R
• What conditions are required for applying adhesives?	A large diameter (2.0/2.5 mm) pressure feed type spray gun. ... (EX): JGX-502/JJ-K
• What is the toughest spray gun DeVilbiss makes?	The JGX-502 with its simple construction.
• What is the lightest spray gun DeVilbiss makes?	We recommend LUNA2-R of the magnesium gun body (World's lightest)
• What is the best bargain spray gun DeVilbiss makes?	The low-cost JJ-K.
• Which spray gun provides efficient coating performance?	LVMP spec spray guns.
• What is the MPa rating for spray gun air pressure?	Usually from approximately 0.2 to 0.25 MPa.

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For more information, please contact:

# DeVILBISS®



## General purpose Spray gun CATALOGUE for Asia





DEVILBISS®

"Creator of the spray gun"

The world's first spraying technology was invented by Dr. Allen De Vilbiss in 1888. Since then, DeVilbiss has been a worldwide industry leader for atomizing technology, and spray gun quality for over 125 years.

Continuing as the leader in the 21th Century  
- DEVILBISS, always the first name in Spray Guns -

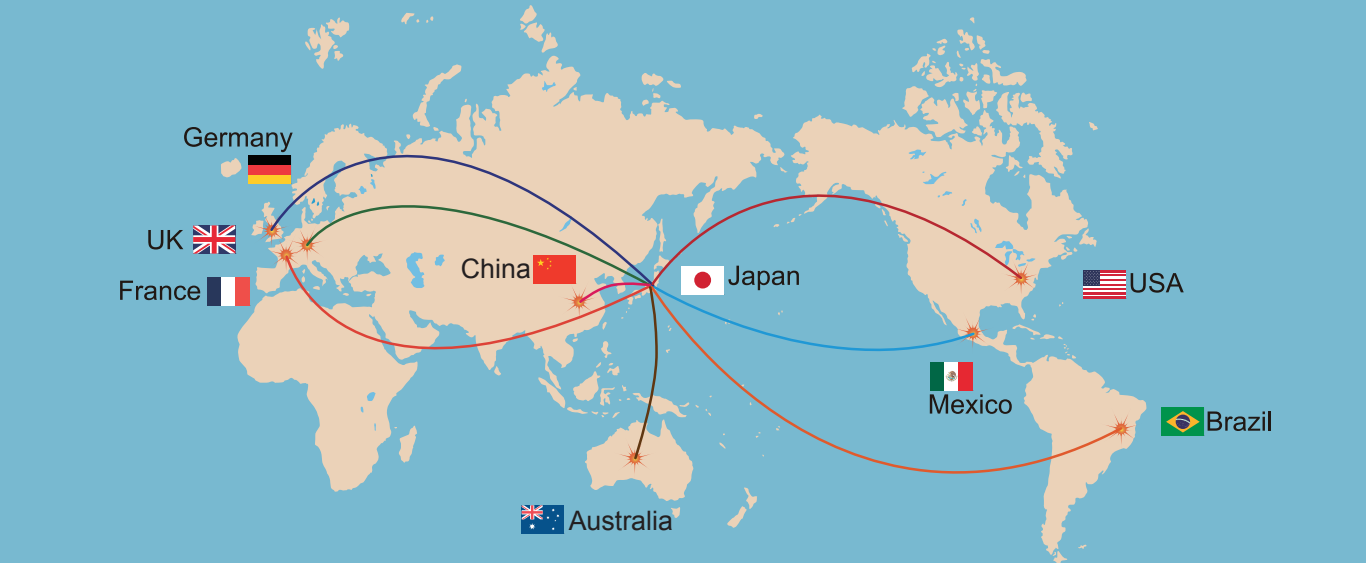


Dr. Allen DeVilbiss



"DeVilbiss worldwide"

With manufacturing locations around the world, DeVilbiss is a global brand whose name is recognized globally.



"The no. 1 track record in the automotive refinishing industry"

DeVilbiss spray gun has a share of over 50% in the automotive refinishing industry in japan, and are recognized as the top brand.

"LVMP advanced atomization technology"

DeVilbiss offers environmentally-friendly air spray guns that reduce organic solvents and save on energy consumption. LVMP atomization technology was developed with the three components of "High transfer efficiency", "Low air consumption", and "Fine atomization" in mind.

"Development of the world's first and lightest magnesium spray gun"

Because magnesium is the lightest of all ecologically-friendly metals, easy to clean and maintain, and is highly recyclable, DeVilbiss successfully developed a magnesium-based spray gun. This results in a product that is 20% lighter than past models, reducing the fatigue for workers.

HIGH TRANSFER EFFICIENCY

LOW AIR CONSUMPTION

FINE ATOMIZATION

Low Volume Medium Pressure

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

"Magnesium" Gun-body  
(patent protected)

World's lightest spray gun

Selecting the perfect general purpose hand spray guns

Selected by feed type

① Gravity feed type

- Features : Suitable for frequent color changes, coating small surfaces, and applying low-viscosity liquids
- Diameter : 0.8 to 1.3 mm nozzle orifice size
- Use : Auto-refinishing, motorcycle tank coating, small resin part coating, release agent application

② Suction feed type

- Features : Suitable for frequent color changes, coating small to medium surfaces, and applying low-viscosity liquids
- Diameter : 1.3 to 2.0 mm nozzle orifice size
- Use : General metal and furniture coating, oil application (anti corrosive oil, lubricating oil)

③ Pressure feed type

- Features : Suitable for infrequent color changes, coating same-color large surfaces, and applying high-viscosity liquids
- Diameter : 1.3 to 1.5 mm nozzle orifice size
- Use : Large bus coating, applying anti corrosive agents to steel beams, applying adhesives.

Paint supply method		Gravity type	Suction type	Pressure type
Change color	More times	⊙	○	—
	Fewer times	—	○	⊙
Coated object	Large objects	—	○	⊙
	Medium objects	○	○	○
	Small objects	⊙	○	—
Paint viscosity	Low viscosity(Ex. Release agent)	⊙	○	○
	Medium viscosity(Ex. Engine oil)	○	○	⊙
	High viscosity(Ex. Adhesive)	—	—	⊙
Optimum tip size	Low viscosity(Ex. Release agent)	0.8/1.0/1.3/1.5	1.3/1.5	1.0/1.3/1.5
	Medium viscosity(Ex. Engine oil)	1.0/1.3/1.5	1.3/1.5	1.0/1.3/1.5
	High viscosity(Ex. Adhesive)	2.0/2.5	2.0/2.5	1.3/1.5

( ⊙ : Optimum   ○ : Suitable   — : Usable )

Hand Spray Gun Selection Table

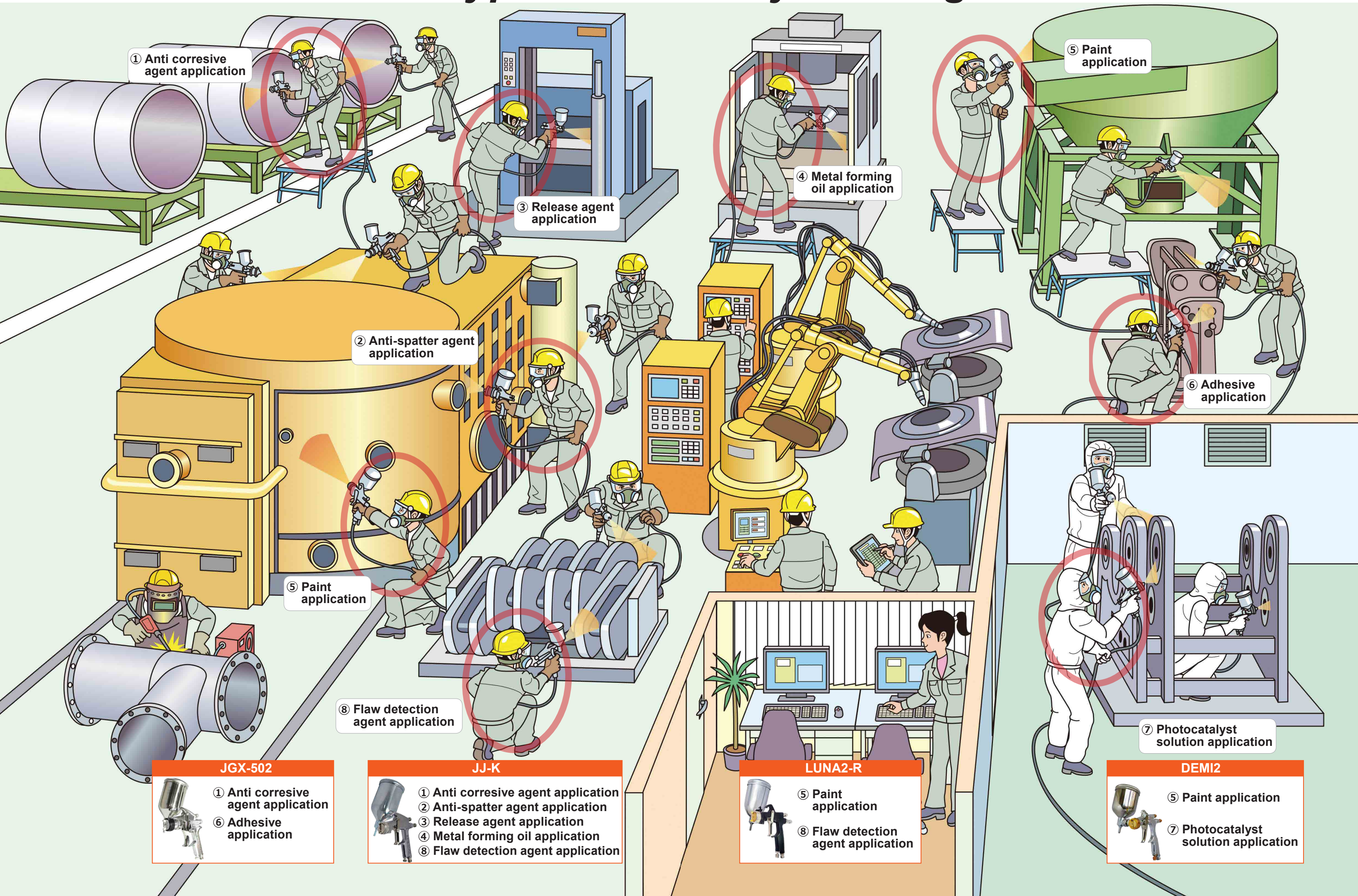
Model Name	Fluid Tip size	Type	Air cap No.	General metal	Small Plastic parts	Woods	Steel frame	Adhesive	Porcelain glazes	Mold release agent	Leather
DEMI2	0.5	G	DL6	-	⊙	-	-	-	-	-	-
	0.8/1.1	G	DL8	-	⊙	-	-	-	-	-	-
JGX-502	0.8	G	103	-	⊙	-	-	-	-	○	-
		P	165	○	○	○	-	○	-	○	-
	1.1	G	143	-	-	-	-	-	-	-	-
		P	165	○	-	○	○	-	-	-	-
		G	143	○	-	-	○	-	-	-	⊙
		S	143	○	-	○	○	-	-	-	-
	1.4	P	165	-	-	○	-	-	-	-	○
		G	143	-	-	⊙	⊙	-	-	-	-
	1.8	S	143	-	-	-	○	-	-	-	-
		G	120	-	-	-	○	○	-	-	-
	2.0	S	120	-	-	-	⊙	○	-	-	-
		G	125	-	-	-	○	○	-	-	-
JJ-K	0.8	G	303	-	⊙	-	-	-	-	-	-
		G	304	○	○	-	-	-	-	○	-
	1.0	G	304	⊙	-	○	○	-	-	○	-
		S	304	○	-	○	○	-	-	○	-
		P	305MT 307MT	○	○	○	-	○	-	○	-
		G	304	○	-	○	○	-	-	-	-
	1.3	S	304	⊙	-	○	⊙	-	-	⊙	○
		P	305MT 307MT 345	⊙	-	⊙	-	-	-	-	-
		G	304	○	-	-	○	-	-	-	○
		S	304	○	-	-	⊙	-	-	-	-
LUNA2-R PLUS	1.0	G	244PLS	-	⊙	-	-	-	-	○	-
		G	244PLS	○	-	-	-	-	-	-	-
	1.3	S	244PLS	○	-	-	-	-	-	-	-
		G	244PLS	-	-	-	-	-	-	-	-
	1.5	S	244PLS	○	-	-	○	-	-	-	-
		G	244PLS	-	-	-	-	-	-	-	-
	1.8	G	244PLS	-	-	○	-	-	-	-	○
		S	244PLS	-	-	-	-	○	-	-	○
LUNA2-K	FX	P	PL1 PL2 PL3	○	○	-	-	○	-	-	○
	FF	P	PL1 PL2 PL3	○	○	-	⊙	○	-	-	○

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

⊙ : Optimum   ○ : Suitable   -: Usable



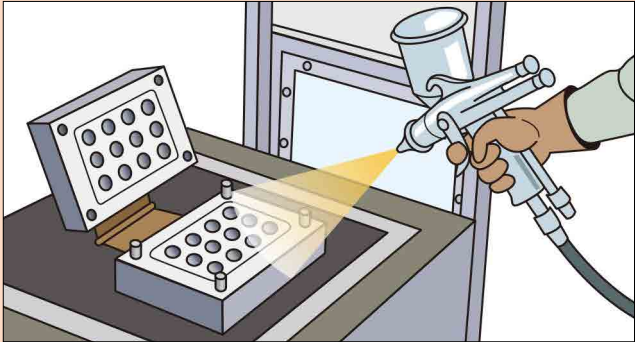
# All types of factory coating



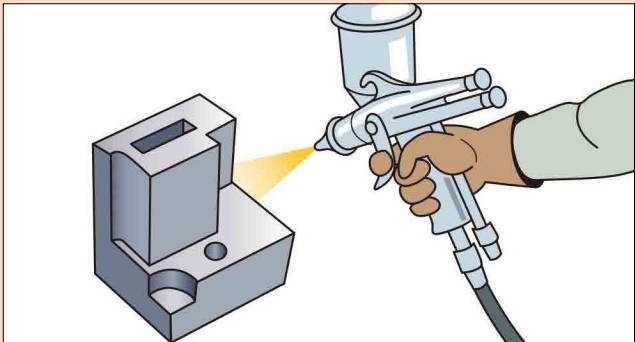


Usage examples for general industrial use spray guns

Mold department

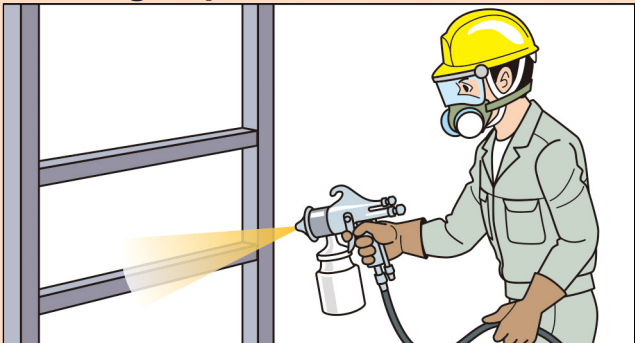


Usage example : Release agent application  
Spray gun : JJ-K-1.3  
Used for application of release agent to mold for molded rubber products. Thorough atomization maximizes the potential of liquid properties.

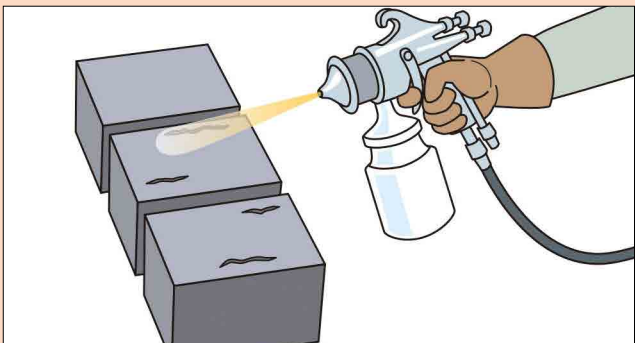


Usage example : Metal forming oil application  
Spray gun : JJ-K-1.0  
Used for application of oil to mold on molding machine. Because pinpoint application and volume adjustment are possible, oil can be economized.

Welding department



Usage example : Anti-spatter agent application  
Spray gun : JJ-K-1.3  
Used for applying anti-spatter agent application to parts of construction machines. Uniform application of thin film thickness is possible, shortening time for the next process and reducing failure ratio.

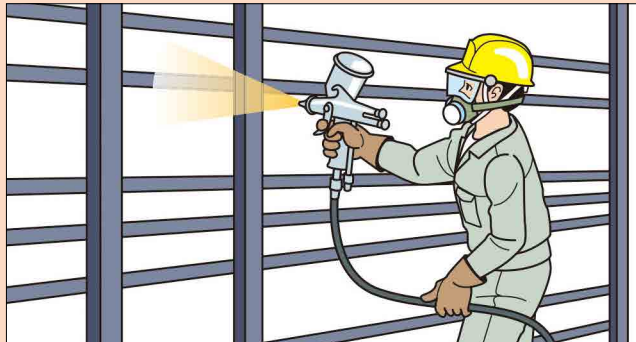


Usage example : Flaw detection chemicals application  
Spray gun : LUNA2-R-1.3  
Used for applying flaw detection chemicals to metalwork. Uniform application of thin film is possible, shortening time for the next process and reducing failure ratio.

Painting department

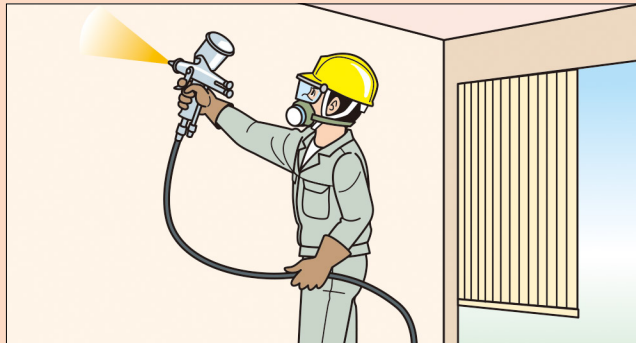


Usage example : Paint application  
Spray gun : LUNA2-R-1.3 (large surface)  
DEMI2-1.1 (small surface)  
Used for painting furniture. Creates a smooth & fine surface finish with top-quality atomization.

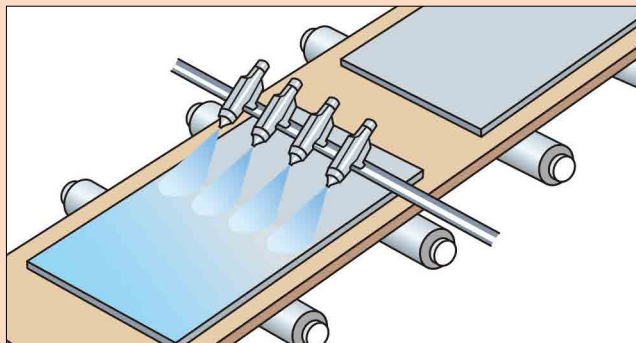


Usage example : Anti corrosive agent application  
Spray gun : JGX-502-2.0  
Used for applying anti corrosive agent to steel beams. Because spraying with low air pressure, scattering and blowback are minimized.

Other

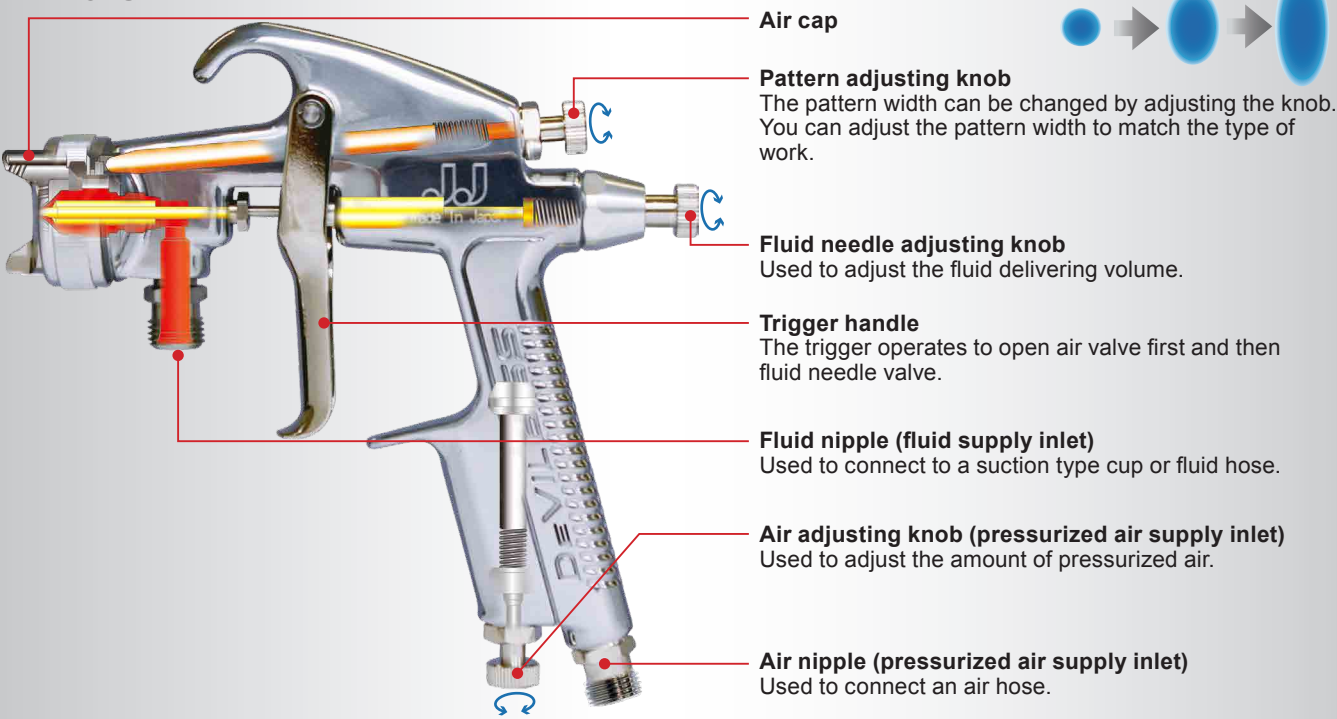


Usage example : Photocatalyst solution application  
Spray gun : DEMI2-1.1  
Used for application of photocatalyst solution indoors and outdoors (antibacterial, waterproofing, antifouling). The super compact size of the spray gun results in minimal scattering and economization of application liquid.



Usage example : Adhesive application  
Spray gun : DA-300-1.8  
Used for applying adhesives to tabletops. A high level of atomization results in thin, uniform coating.

Spray gun structure (EX: JJ-K)



Do away with spattering with spray gun!

Simply reviewing how anti-spattering agent is applied can thoroughly reduce spattering, significantly improving work efficiency

Situation and issues

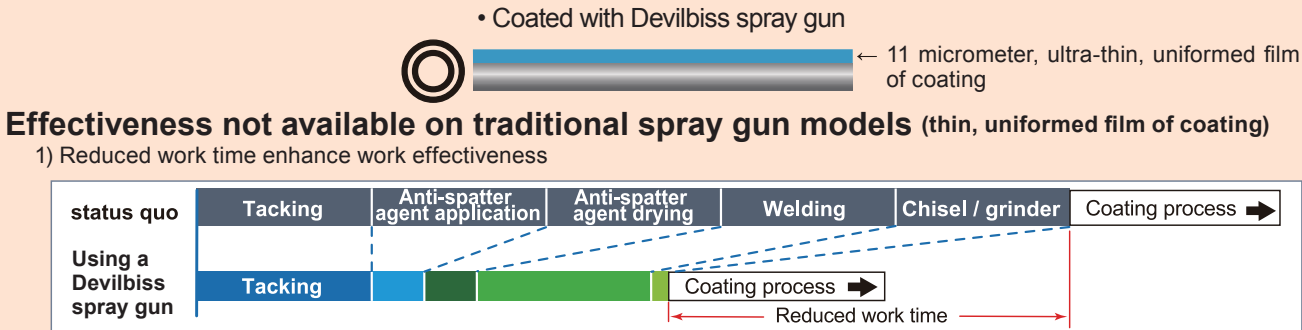
Currently, welding anti-spatter agent is usually applied with a brush, atomizer (manual), anti-spatter agent aerosol can, or specialized anti-spatter agent sprayers. Unfortunately, these methods are insufficient for preventing spatter. The most significant factors in this are areas of accumulated anti-spatter agent and uneven coating. Because post-process refinishing work (spatter removal with a chisel) is necessary, the task takes always longer to compete, and in the worst case, the entire welding job may need be redone.

Accumulated sections of anti-spatter agent and uneven coating (image) Brush coating



Solving issues and reducing costs with a spray gun

Using a DeVilbiss spray gun for anti-spatter agent coating solves the root of problems such as accumulated sections of anti-spatter agent and uneven coating, promising significant reduction in work time and cost.



- 2) Prevent fluid accumulation and dripping with multi-function adjustment (coating amount, pattern width)!
- 3) Significantly reduce failure rate caused by spatter!
- 4) No anti-spatter agent clogging!
- 5) Significantly reduce the amount of anti-spatter agent used!



## Gravity type Hand spray gun

Fluid Convenient flows to for the frequent gun by the color change gravitational or small force from coating the jobs. cup.  
The total gun weight is relatively light compared to suction feed.



### Specifications

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

Model name	Air cap No.	Fluid tip size (Φ mm)	Air inlet pressure (MPa)	Spraying distance (mm)	Pattern range (mm)	Air cap performance		Applications	
						(Fine atomization)	(Nomal atomization)		
DEMI 2	DL6	0.5	0.10	100-150	Max. 80	◎		Photocatalyst / Plastic model / Plastic	
	DL8	0.8			Max. 120				
		1.1			Max. 130				
JGX-502	143	1.1	0.20-0.25	200	230	◎		Mold release agent / Small plastic parts	
		1.4			250			◎	Sheet metal paint / General metal / Leather
		1.8			280			△	Large general metal
		2.0			300			△	Steel rust inhibitor / Adhesive
		2.5						△	Steel rust inhibitor / Adhesive
JJ-K	303	0.8	0.20-0.25	200	230	◎		Mold release agent / Small plastic parts	
	304	1.0			230			◎	General metal / Leather / Sputtering inhibitor
		1.3			240			○	General metal / Leather / Sputtering inhibitor
		1.5						△	General metal / Leather / Sputtering inhibitor
		1.8						△	Steel rust inhibitor
		LUNA2-R						244+	1.0
1.3	240		◎	Sheet metal paint / General metal / Leather / Fine wood working furniture					
1.5			○						
1.8			△	Large general metal					

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

### Gravity type Fluid cup

#### KGL-400-FA-JT

(Free angle type)

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

JGX / JJ / LUNA

#### KGL-600



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

JGX / JJ / LUNA

#### KG-400C-FA

(Free angle type)

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

JGX / JJ / LUNA

#### KG-400T

(PTFE Coated)

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

JGX / JJ / LUNA

#### KGP-4



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

JGX / JJ / LUNA

#### KGL-150-FA-DEMI-ST

(Free angle type)

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

DEMI2

#### KG-250-FA-DEMI

(Free angle type)

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

DEMI2

## Suction type Hand spray gun

Fluid is drawn by the suction force generated on the air cap. Convenient for small to mid size coating jobs.



### Specifications

Model name	Air cap No.	Fluid tip size (Φ mm)	Air inlet pressure (MPa)	Spraying distance (mm)	Pattern range (mm)	Air cap performance		Applications
						(Fine atomization)	(Nomal atomization)	
JGX-502	143	1.4	0.20-0.25	200	250		○	General metal
		1.8			280		△	Large general metal
	120	2.0			300		△	Steel rust inhibitor / Adhesive
	125	2.5					△	Steel rust inhibitor / Adhesive
JJ-K	304	1.3	0.20-0.25	200	240		○	General metal / Leather / Sputtering inhibitor
		1.5					△	General metal / Leather / Sputtering inhibitor
		1.8					△	Steel rust inhibitor
LUNA2-R	244+	1.3	0.15-0.20	200	240		◎	Steel metal paint / General metal / Fine wood working furniture
		1.5					○	
		1.8					△	

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

### Suction type Fluid cup

#### KR-470-1C



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

JGX

#### KR-470-2C



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

JJ-K / LUNA

#### KR-1000-1C/2C (Clamp type)



■Specifications  
KR-1000-1C  
Fluid connection : G3/8  
Capacity : 1000 mL  
Material : Aluminum

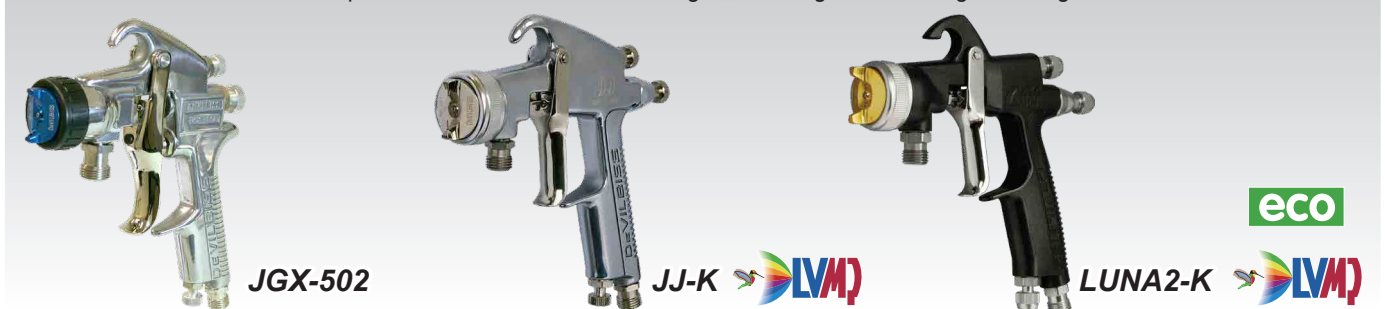
JGX

■Specifications  
KR-1000-2C  
Fluid connection : G1/4  
Capacity : 1000 mL  
Material : Aluminum

JJ-K / LUNA

## Pressure type hand spray gun

Fluid is sent from a pressure tank or a pump to the gun. Convenient for spraying with same colors.  
The fluid is passed from the fluid hose to the gun, reducing the total weight of the gun.



### Specifications

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

Model name	Air cap No.	Fluid tip size (Φ mm)	Air inlet pressure (MPa)	Spraying distance (mm)	Pattern range (mm)	Air cap performance		Applications		
						(Fine atomization)	(Nomal atomization)			
JGX-502	165	1.1	0.20-0.25	200	250		○	Fine furniture / General metal		
		1.4			280		○	Heavy vehicle / Adhesive / General metal		
JJ-K	305MT	1.3	0.20-0.25	200	220	◎		General metal		
		1.5				○		Adhesive / General metal		
	307MT	1.3			240	◎		General metal		
		1.5				○		Adhesive / General metal		
		1.3				◎		General metal		
		1.5				○		Adhesive / General metal		
LUNA2-K	PL1	1.3	0.20-0.25	200	220	◎		Automobile interior part / General metal		
		1.5				○				
	PL2	1.3				◎			○	
		1.5				○				
	PL3	1.3				◎			○	
		1.5				○				



# Auto spray gun

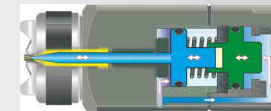
## For Robot-mounting compact auto guns



(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-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

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



## 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.



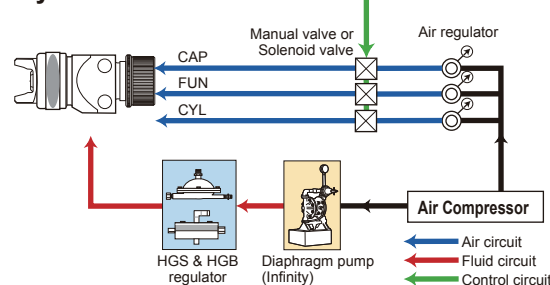
## ■ Compact guns for mounting on the robots.

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

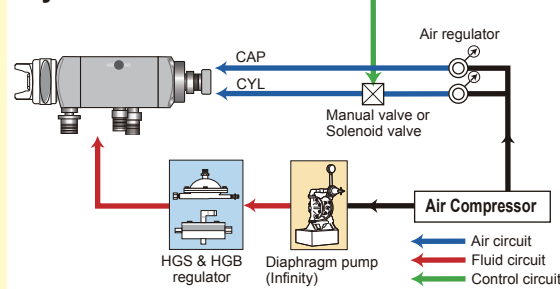
T2AGPV / T-AGPV / T-AGHV / T-AGPZ / T-AGB

AGXV / AGX / DA-300

### System chart



### System chart



Model name	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	6×4Φ Fluid tube	6×4Φ Air tube	6×4Φ Air tube	6×4Φ Air tube	730(SUS) 366(Aluminum)
								345
								370
								510
								507
L-press. atomization	0.1-0.3	0.69	0.25-0.4	6×4Φ Fluid tube	6×4Φ Air tube	6×4Φ Air tube	6×4Φ Air tube	550 (Full-auto)
Conventional	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
			0.35-0.5	R 1/8	R 1/8	R 1/8	R 1/8	540

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 porcelain glazes
T-AGB-774	600g	Designed for robot-mounting. Mid/high flow rate. TC nozzle, needle. For porcelain 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

## AG-360 Series

Low Pressure Air Atomization Automatic Spray Gun Range

### AG-361E

Ceramic & Enamel Industry Gun



### AG-362

Industrial Coating Gun



### AG-363

Air Assisted Airless Automatic Spray Gun



- 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

## 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		
AGX-5022	457 mm		
AGX-5023	610 mm	Φ10 mm	Φ9.5 mm
AGX-5024	914 mm		
AGX-5025	1067 mm		



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

