

**DEVILBISS®**

**LVMP**  
Low Volume Medium Pressure

**A GIFT FROM WEIGHTLESS  
OUTER SPACE**



**SPACE GUN**  
**APOLLO** **eco**

**Magnesium Gun Body**



**367g**

**Super Light Weight  
High Transfer Efficiency Spray Gun**

## SUPER LIGHT WEIGHT SPRAY GUN

### WITH THE MOST GENTLE ON THE EARTH'S ENVIRONMENT

#### ● Super Light Weight

The world first magnesium gun body has allowed to produce a super light weight spray gun at 367g.  
It is the lightest hand spray gun in the range of medium sized guns.

#### ● Anodized Aluminum Fluid Passage

The fluid passage is made of Anodized Aluminum, compatible with all types of paints including waterborne.  
(less-weight compared with Stainless steel)

#### ● Teflon Coated Gun Body

Preventing from stains on the gun body and for easy cleaning, Teflon Coated Gun Body is employed.

#### Selection of Air Cap, Fluid Tip and Gun Type

■ For your ordering reference:

APOLLO-L - Air Cap No. - Tip Size - S: Suction Type  
G: Gravity Type  
P: Pressure Type

**(Example) : APOLLO - L - 807 - GD - P**

Air Inlet	: G 1/4
Fluid Inlet	: G 3/8 (Gravity Feed : G 1/4)
Air Inlet Pressure	: 0.69MPa (Max.)
Fluid Inlet Pressure	: 0.69MPa (Max.)
Gun Body	: Magnesium
Fluid Passage	: Anodized Aluminum Insert Stainless steel Nozzle & Needle
Weight	: 367g

### Why does LVMP have better transfer efficiency?

The difference of the transfer efficiency among LVMP spray gun, HVLP gun and conventional gun results from the air velocity.

The air velocities of these 3 type spray guns are in the same range of the speed of sound when the air is coming out from the air cap.

However, the speed at a distance of approximately 200mm from the air cap becomes different. (Chart 1)

The air velocity of LVMP gun is lower than both HVLP gun's and conventional gun's, and this gives the best result in transfer efficiency (less blow-back), even it atomizes with higher air pressure than HVLP gun. (Chart 2)

Chart 1

■ Air velocity (m/sec)

Gun Types	Distance from Air Cap 200mm
APOLLO-L-805-DFX (LVMP)	16
MSV-512-46MP-FX (HVLP)	19
MSA-512-777-FX (Conventional)	22

Chart 2

■ Transfer Efficiency

Gun Types	Gun Inlet Pressure MPa	Air Cap Pressure MPa	Air Consumption NL/min	Transfer Efficiency %
APOLLO-L-805-DFX (LVMP)	0.25	0.20	280	74
MSV-512-46MP-FX (HVLP)	0.45	0.09	750	55
MSA-512-777-FX (Conventional)	0.40	0.35	500	44

## Specifications

Air Cap	Pattern Range (mm)	Type	Air Consumption Nl /min (MPa)	Tip Size (mm)						Applications
				0.7		1.1		1.4	1.6	
				GD	G	DFX	FX	FF	DFW	
807	300	P (Pressure)	280 (0.25)	○	-	○	-	-	○	Automotive, Fine finishing
805	220	P (Pressure)	280 (0.25)	○	○	○	-	-	○	Automotive, Fine finishing
805MT	220	P (Pressure)	280 (0.25)	-	-	-	○	○	-	Automotive, Fine finishing
110	250	S-G (Suction/Gravity)	230 (0.2)	-	-	-	-	○	-	Auto refinishing

## Accessories

- KGL-400 Gravity Cup (400ml, Anodized Aluminum) G 1/4
- KR-470-1 Suction Cup (700ml, Aluminum) G 3/8
- KGL-400-FA Gravity Cup (400ml, Anodized Aluminum, Free Angle) G 1/4
- KR-555-1C Suction Cup (1000ml, Aluminum) G 3/8
- KG-400 Gravity Cup (400ml, Stainless Steel) G 1/4
- HAV-501-B Air Inlet Control Valve and Gauge
- KG-400T Gravity Cup (400ml, Teflon-coated) G 1/4
- HAF-507 Disposable Air Filter
- KG-250 Gravity Cup (250ml, Stainless Steel) G 1/4
- SSL-10 Spray Gun Lube (60ml)
- KGP-4 Gravity Cup (400ml, resin) G 1/4

※ Delrin and Teflon are both registered marks of E.I.Du Point de Nemours and Company.

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

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