

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**



CARLISLE
FLUID TECHNOLOGIES

SUPER LIGHT WEIGHT SPRAY GUN WITH THE MOST GENTLE ON 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 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)

• PTFE Coated Gun Body

Preventing from stains on the gun body and for easy cleaning, PTFE 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	: 0.69 MPa (max)
Fluid Inlet Pressure	: 0.69 MPa (max)
Gun Body	: Magnesium
Fluid Passage	: Anodized Aluminum Insert Stainless steel Nozzle & Needle
Weight	: 367 g

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 200m from the 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 200m
APOLLO-805-DFX (LVMP)	16
MSV-502-46MP-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 ℓ /min	Transfer Efficiency %
APOLLO-805-DFX (LVMP)	0.25	0.20	280	74
MSV-502-46MP-FX (HVLP)	0.45	0.09	750	55
MSA-512-777-FX (Conventional)	0.40	0.35	500	44

■ Specifications

Air Cap	Pattern Rang (mm)	Type	Air Consumption ℓ /min (MPa)	Tip Size (mm)						Compressor (kW)	Applications
				0.7		1.1		1.4			
				GD	G	DFX	FX	FF	DFW		
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 (0.20)	—	—	—	—	○	—	2.2~3.7	Auto refinishing

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

* Soft seat tip version (APOLLO-L-805MT-FX-P-T) also available for APOLLO-L-805MT-FX-P

■ Accessories

• KGL-400	Gravity Cup (400ml, Anodized Aluminum) G 1/4	• KGP-4	Gravity Cup (400ml, resin) G 1/4
• KGL-400-FA-ST	Gravity Cup (400ml, Anodized Aluminum Free Angle) G 1/4	• KR-470-1C	Suction Cup (700ml, Aluminum) G 3/8
• KG-400C	Gravity Cup (400ml, Stainless Steel) G 1/4	• HAV-501-B	Air Inlet Control Valve and Gauge
• KG-400T	Gravity Cup (400ml, PTFE-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)

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

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