

Lumina®



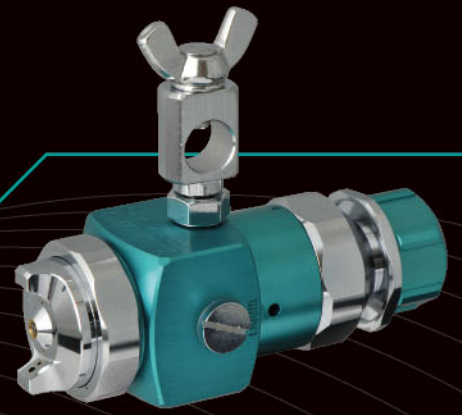
LUMINA AUTOMATIC SPRAY GUN



MK-3

Fine-Finishing Type

Features

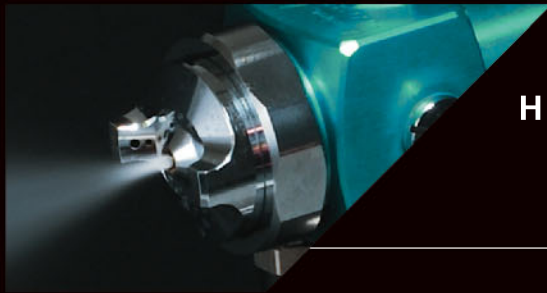


High-performance, Best Solution

Creating a fine and smooth finish

Fine Painting

The nozzle generates a fine mist even when atomizing at low air pressure (around 0.5 bar (7 psi)). This prevents overspraying and has a high transfer efficiency.

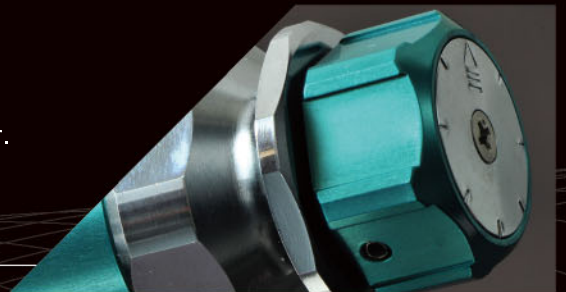


High Environmental Performance for All Users

The high transfer efficiency brings you material savings and a clean environment. It's a powerful tool for your business.

Modified Mechanism

We use a rigid locking system for the new liquid adjuster. The main body has a liquid-circulation system that helps you spray liquids containing solids or temperature-controlled liquids.



New Air Cap

New and improved air cap realizes a more consistent, more even coverage.

Fine Body Coating

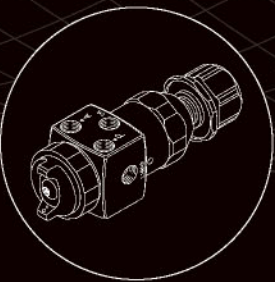
The body is coated in our corporate color, "Lumina Turquoise Green". The special method we adopt for the surface treatment is called *Hard Coat*. It's exclusive to aluminum, brings better corrosion resistance and durability.



Details

● Easy-to-Distinguish Inlets

All air inlets are on the same side of the body to avoid confusions with the liquid inlet.



● Shock-Absorption Structure Piston

Combination of piston spring and needle spring absorb the impact of piston movement. This leads to a more durable needle and nozzle.

● Checking Liquid Leaks

Liquid will not penetrate into the piston chamber.

● Liquid-Circulation System

Liquid passageway is made straight for smooth circulations.

● Stabilized Pattern Air

The body has a ring with 12 holes to stabilize airflow balance.

● Liquid Nozzle with the Baffle Plate

The liquid nozzle is equipped with a baffle plate for high painting efficiency.

Applications

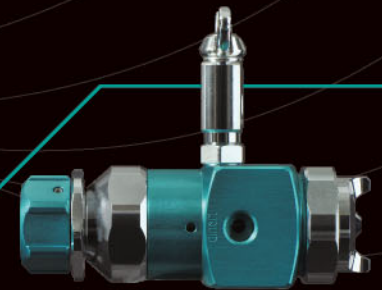
- Automotive Parts
- Smartphones
- LCD Televisions
- Personal Computers
- Optical Instruments
- Cosmetics
- Furniture
- Lighting Equipment
- Woodwork
- Medical Equipment

Liquid

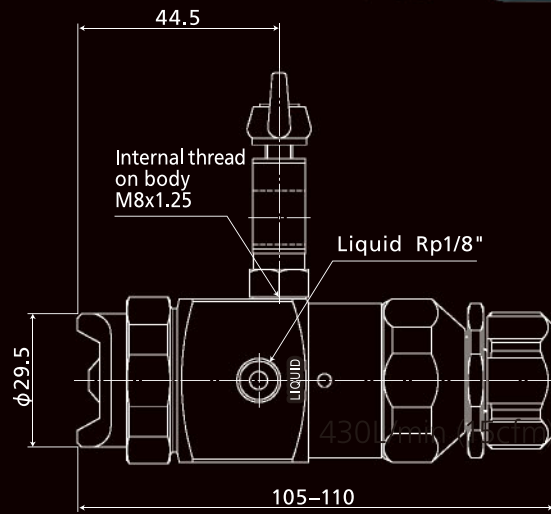
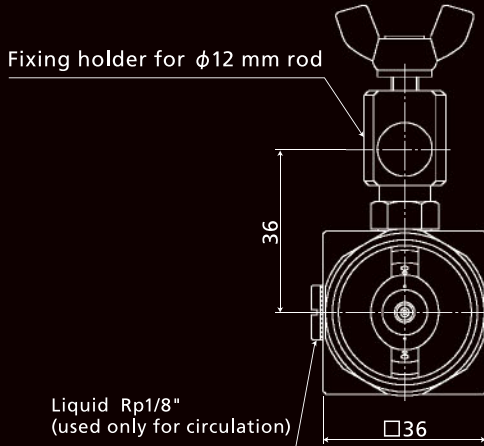
- Lacquer
- Fluorocarbon Resin
- UV Coating
- Silicone Coating
- Liquid Dye
- Photocatalytic Coating
- Release Agent
- Rust-Preventive Oil
- Press Working Oil
- Lubricating Oil



Dimensions



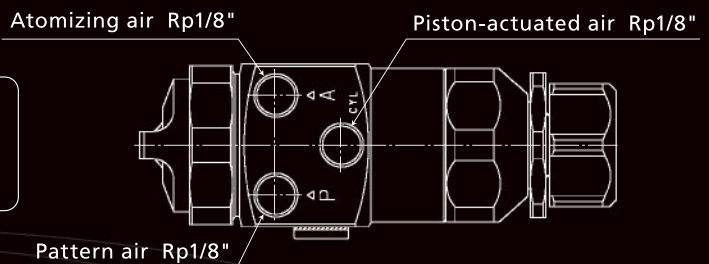
MK-3



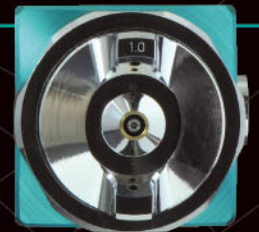
Optional Parts

- Fixing holder for $\phi 16$ mm rod
- Tube fittings (straight, elbow)

Unit: mm (except for inlet connections)



Data



Model Number	Nozzle Size (ϕ)	Flow Rate	Max Pattern Size	Average Particle Size (μm)	Air Consumption	Mass
MK-3-0.8X	0.8 mm (0.03")	0–140 mL/min (0–5 oz/min)	200 mm (8")	6	400 L/min (14 cfm)	378 g (0.8 lbs)
MK-3-1.0X	1.0 mm (0.04")	0–200 mL/min (0–7 oz/min)	220 mm (8.5")	6	400 L/min (14 cfm)	378 g (0.8 lbs)
MK-3-1.5X	1.5 mm (0.06")	0–360 mL/min (0–12 oz/min)	240 mm (9.5")	6	430 L/min (15 cfm)	378 g (0.8 lbs)
Conditions		Gravity Feed from 1 m High	at 300-mm (12") target distance	at 20 mL/min at 200-mm (8") target distance	at 2 bar (29 psi)	

NOTE: All illustrated data derived using water. Average particle size is based on Sauter Mean Diameter (SMD) (Atomizing air 2 bar (29 psi), Pattern air 2.5 bar (36 psi)).


FUSO SEIKI CO.,LTD.
扶桑精機株式会社

6-12-17, Hon-komagome,
Bunkyo-ku, Tokyo, 113-0021, JAPAN
Phone +81-3-3947-1334 <http://lumina.jp/>