No.NKG15A094R/E

BIM Suction Spray Unit Instruction Manual

[Products]

- BIMV8004SS303+TS303 siphon spray unit (w/ 250ml bottle)
- BIMV80075SS303+TS303 siphon spray unit (w/ 250ml bottle)
- BIMK6004SS303+TS303 siphon spray unit (w/ 250ml bottle)
- BIMK60075SS303+TS303 siphon spray unit (w/ 250ml bottle)
- BIMV8004SS303+TS303 siphon spray unit (w/ 500ml bottle)
- BIMV80075SS303+TS303 siphon spray unit (w/ 500ml bottle)
- BIMK6004SS303+TS303 siphon spray unit (w/ 500ml bottle)
- BIMK60075SS303+TS303 siphon spray unit (w/ 500ml bottle)

Thank you for purchasing our product.
Please read this manual thoroughly before using the product to operate it properly.
Keep this manual handy for quick reference.

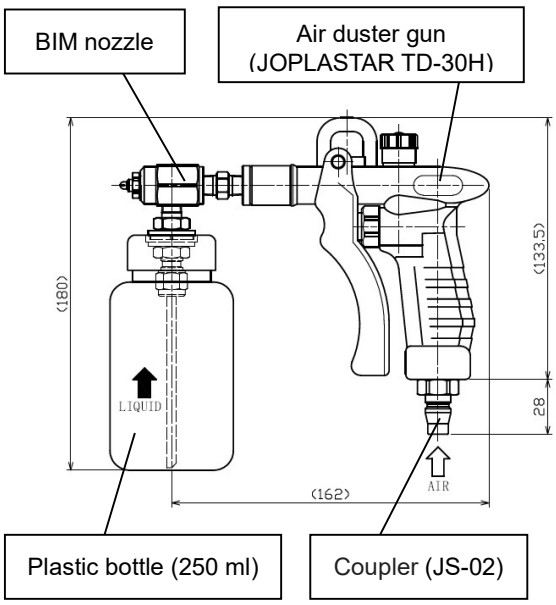
CONTENTS

"The Fog Engineers"
IKEUCHI & CO., LTD.

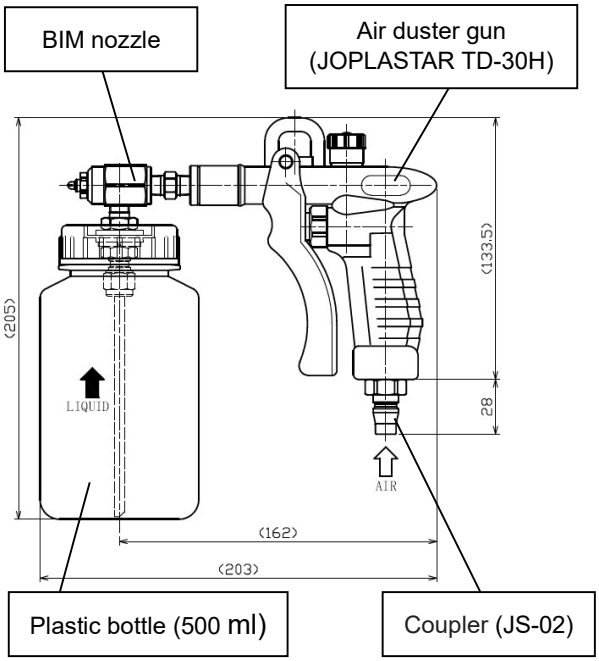
Safety Precautions

・Do not spray directly toward people.
・Do not use under the environment temperatures of 60 degrees C or higher.
・Use clean compressor air.
・Materials of liquid contact parts are PE (plastic bottle), FEP (tube in the bottle), and stainless steel (nozzle and fittings). Check the chemical resistance of the materials of liquid contact parts when using chemical solutions.

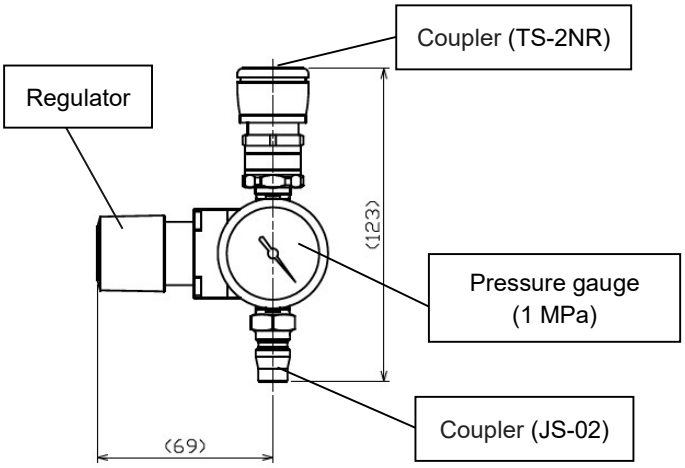
1. Names of Parts



With 250-ml bottle



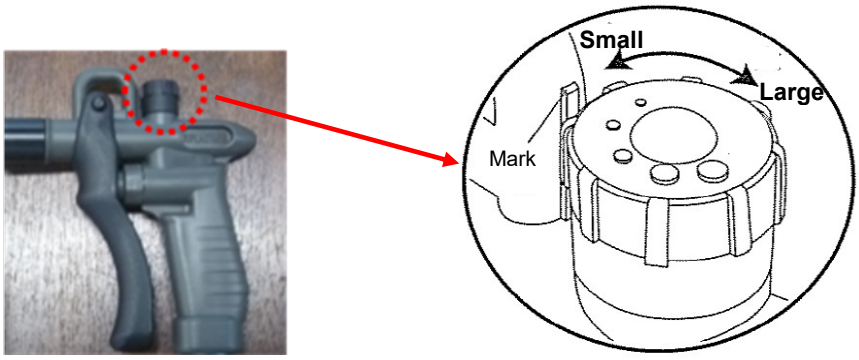
With 500-ml bottle



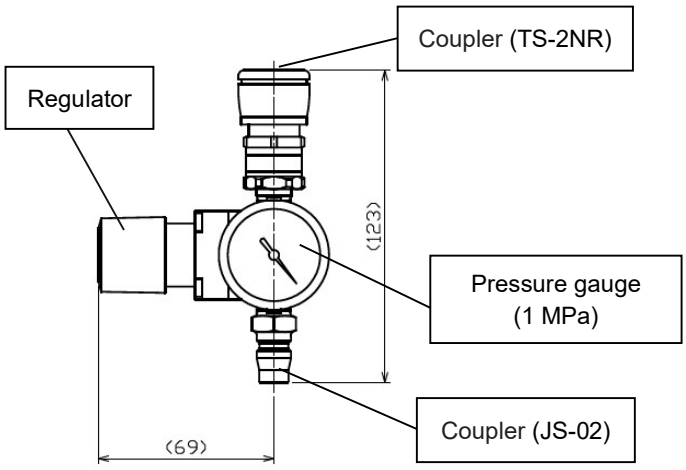
Pressure Gauge Kit (optional)

2. Spraying procedure

1) Holding the cap of the plastic bottle with one hand, turn the plastic bottle to remove with the other. When removing the bottle, take care not to damage the inside tube.
2) Fill the plastic bottle with spray liquid, and replace the cap on the plastic bottle in the same way as (1). If too much spray liquid is supplied, it spills from the air intake hole (φ1) on the cap of the plastic bottle.
3) Connect the air compressor to the air duster gun.
4) Pull the gun lever to start spraying.
5) For the model with nozzle type BIMV80075S and BIMK60075S, the spray flow rate can be roughly controlled by adjusting the airflow-adjustment knob of the gun.
   Since the nozzle type BIMV8004S and BIMK6004S consume less air, the spray flow rate is almost the same whether the airflow-adjustment knob is at the minimum position or the maximum.



6) To fine-tune the spray flow rate, use the optional pressure gauge kit.
   Connect the pressure gauge kit to the gun, and adjust the pressure with the regulator referring to "3. Spray Flow-rate Diagram". In this case, set the airflow-adjustment knob of the gun to the maximum.



Pressure Gauge Kit (optional)

Caution ⚠
- Supply clean air. When the supplied air is not clean, clogging of the nozzles can be caused.
- There is an air intake hole (φ1) on the cap of the plastic bottle. Do not tilt the bottle too far, to keep the liquid in the bottle from spilling.
- As the nozzle tip is precision made, take care not to damage it by hitting it with something.
- If excessive force is applied, the plastic bottle may be damaged or the screwed parts may come off. Handle with care.
- Before long-term storage, empty the plastic bottle, and purge the bottle and nozzle with compressed air so that there is no spray liquid remained in the nozzle.

3. Spray Flow-rate Diagram

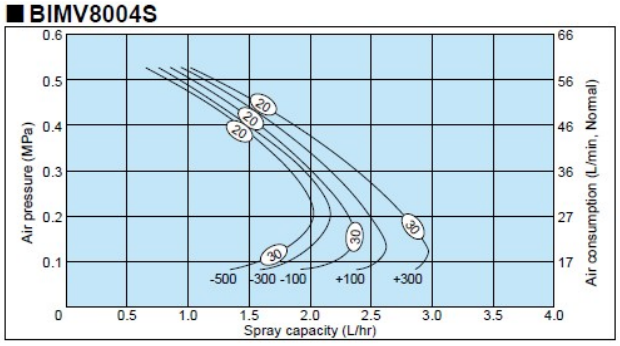
How to read the diagram

・The spray capacity shown is for one nozzle.

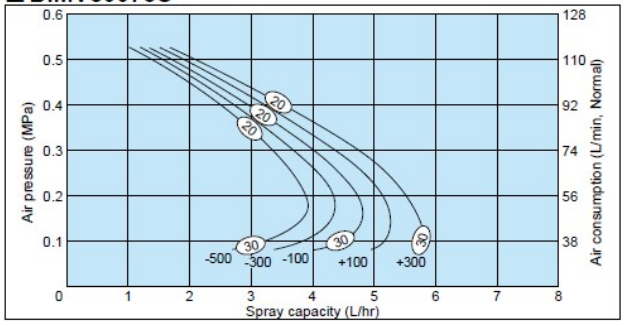
・Figures in ovals (◯) indicate Sauter mean diameters (μ m) measured by laser Doppler method (measuring distance: 300 mm).

・Figures at the foot of each curve indicate the siphon height (-) and the gravity head (+) in mm. For guidance, please see the curve of -100 in the diagram as the spray capacity for this unit. The siphon height in this unit refers to the distance from the center of the nozzle to the liquid level in the plastic bottle.

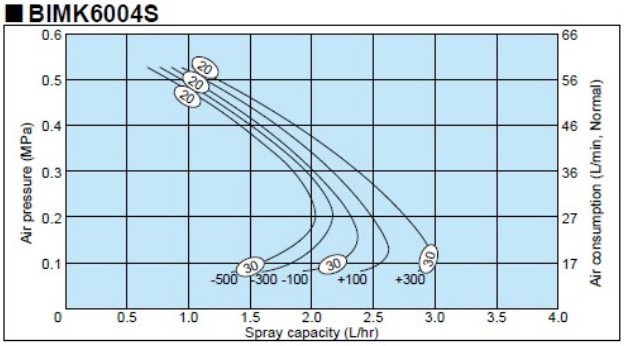
■ BIMV8004S



■ BIMV80075S



■ BIMK6004S



■ BIMK60075S