

Fine Mist Nozzle

Small-droplet nozzle for cooling, humidification and odour control.

Fine mist nozzles produce droplets in the 20–100 micron range using a small orifice and high pressure. They are used for evaporative cooling, humidification, dust suppression and odour control where rapid evaporation is required.

KEY FEATURES

- 20–100 micron droplet range
- 316SS and titanium wetted parts
- Low flow rates from 0.02 L/min
- Anti-drip and filter options

SPECIFICATION

ITEM	VALUE
Connection	1/8–1/4 in NPT/BSP
Orifice	0.15–0.60 mm
Operating pressure	3–25 bar
Flow range	0.02–1.5 L/min
Droplet size	20–100 µm
Materials	316SS, titanium

STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L / titanium; 3–25 bar service.

Materials: 316L stainless steel; Titanium.

ORDERING RANGE

Representative configurations. The full size, material and connection range is confirmed on the order acknowledgement.

SERIES	ORIFICE	PRESSURE	MATERIAL	PART NUMBER
FMN-M1	0.15 mm	5–25 bar	316SS	BGI-FMN-M1-316
FMN-M2	0.25 mm	5–25 bar	316SS	BGI-FMN-M2-316
FMN-M3	0.40 mm	3–20 bar	316SS	BGI-FMN-M3-316
FMN-M4	0.60 mm	3–20 bar	Titanium	BGI-FMN-M4-TI

APPLICATIONS

- Evaporative cooling
- Humidification
- Odour control
- Dust suppression

ORDERING NOTES

Confirm size, pressure class, facing or connection, material and quantity when ordering. For critical service, include the project specification, NDE requirements and documentation package. Alternative materials, coatings, tappings and special dimensions are quoted on request.

Range: Nozzles. Document reference: DS-FINE-MIST-NOZZLE · Rev. 04.

Ordering and technical support

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Quotations are prepared against the released specification. Certified drawings are issued with the order.