

Hollow Cone Nozzle

Ring-shaped spray pattern for cooling, washing and gas scrubbing.

Hollow cone nozzles produce a ring-shaped spray with fine droplets and a relatively low impact. The pattern is well suited to gas cooling, scrubbing, washing and applications where uniform coverage of a circular area is required.

KEY FEATURES

- Ring-shaped spray pattern
- Fine droplets with low impact
- 1/8–1 in connections
- 316SS, brass and PTFE options

SPECIFICATION

ITEM	VALUE
Connection	1/8–1 in NPT/BSP
Orifice	0.8–4.0 mm
Operating pressure	1–40 bar
Flow range	0.1–20 L/min
Spray angle	60°–120°
Materials	316SS, brass, PTFE

STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L stainless; 1–40 bar service.

Materials: 316L stainless steel; Brass; PTFE.

ORDERING RANGE

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

SERIES	ORIFICE	PRESSURE	MATERIAL	PART NUMBER
HCN-S	0.8 mm	1–40 bar	316SS	BGI-HCN-S-08-316
HCN-M	1.2 mm	1–40 bar	316SS	BGI-HCN-M-12-316
HCN-M	2.0 mm	1–25 bar	Brass	BGI-HCN-M-20-BR
HCN-L	3.0 mm	1–40 bar	316SS	BGI-HCN-L-30-316
HCN-L	4.0 mm	1–10 bar	PTFE	BGI-HCN-L-40-PTFE

APPLICATIONS

- Gas cooling
- Scrubbing towers
- Washing
- 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-HOLLOW-CONE-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.