

Full Cone Nozzle

Solid-cone spray for uniform coverage and higher impact.

Full cone nozzles fill the entire cone with spray, providing uniform coverage and higher impact than hollow cone designs. They are used for tank washing, cooling, dust control and process injection where complete area coverage matters.

KEY FEATURES

- Solid-cone spray pattern
- Uniform coverage with higher impact
- Large free passage for clog resistance
- Carbide inserts for abrasive duty

SPECIFICATION

ITEM	VALUE
Connection	1/8–1 in NPT/BSP
Orifice	1.0–6.0 mm
Operating pressure	2–50 bar
Flow range	0.2–40 L/min
Spray angle	60°–120°
Materials	316SS, carbide insert

STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L stainless; 2–50 bar service.
Materials: 316L stainless steel; Carbide insert.

ORDERING RANGE

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

SERIES	ORIFICE	PRESSURE	MATERIAL	PART NUMBER
FCN-6	1.0 mm	2–50 bar	316SS	BGI-FCN-06-316
FCN-8	1.5 mm	2–50 bar	316SS	BGI-FCN-08-316
FCN-10	2.5 mm	2–50 bar	316SS/carbide	BGI-FCN-10-CARB
FCN-12	4.0 mm	2–40 bar	316SS/carbide	BGI-FCN-12-CARB
FCN-16	6.0 mm	2–30 bar	316SS/carbide	BGI-FCN-16-CARB

APPLICATIONS

- Tank washing
- Cooling
- Dust control
- Process injection

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-FULL-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.