

Spiral Anti-Clogging Nozzle

Open spiral design that resists clogging in dirty or fibrous service.

Spiral anti-clogging nozzles use an open spiral channel rather than a small orifice, allowing particles and fibres to pass without blocking the spray. They are used in dirty water, slurry, pulp and wastewater applications.

KEY FEATURES

- Open spiral flow path resists clogging
- Large free passage
- Uniform full-cone coverage
- Hardened insert available for abrasive slurries

SPECIFICATION

ITEM	VALUE
Connection	1/4–1 in NPT/BSP
Flow passage	0.8–3.0 mm equivalent
Operating pressure	2–35 bar
Flow range	0.5–30 L/min
Spray angle	60°–120°
Materials	316SS, hardened alloy

STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L stainless; 2–35 bar service.
Materials: 316L stainless steel; Hardened alloy insert.

ORDERING RANGE

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

SERIES	ORIFICE	PRESSURE	MATERIAL	PART NUMBER
SAN-8	0.8 mm	2–35 bar	316SS	BGI-SAN-08-316
SAN-10	1.2 mm	2–35 bar	316SS	BGI-SAN-10-316
SAN-12	2.0 mm	2–35 bar	316SS	BGI-SAN-12-316
SAN-16	3.0 mm	2–30 bar	316SS/hardened	BGI-SAN-16-HARD

APPLICATIONS

- Wastewater
- Slurry and pulp
- Dirty water cooling
- Fibrous process streams

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-SPIRAL-ANTICLOGGING-NOZZLE · Rev. 04.

Ordering and technical support

sales@belvantaglobal.com · +1 (713) 555-0140 · www.belvantaglobal.com

1200 Industrial Parkway, Houston, TX 77032, United States

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