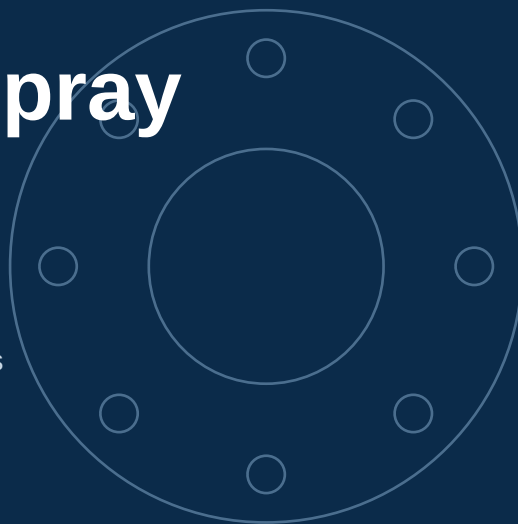


PRODUCT OVERVIEW

Spray Nozzles — Spray Patterns

Hollow cone, full cone, flat fan and spiral anti-clogging nozzles for controlled fluid distribution.



DOCUMENT

Product overview

FAMILY	Nozzles
RANGE	Spray Nozzles — Spray Patterns
TYPES	4
REVISION	Rev. 04
ISSUED	15 September 2026

Spray Nozzles — Spray Patterns

Hollow cone, full cone, flat fan and spiral anti-clogging nozzles for controlled fluid distribution.

Spray pattern is the first specification decision: it determines coverage, impact and droplet size. The range covers hollow cone, full cone, flat fan and spiral anti-clogging designs in stainless steel, brass, PTFE and carbide inserts. Flow rates and spray angles are verified against the published performance curve for each series.

STANDARDS AND SUPPLY SCOPE

- Primary standards: ISO 9001 manufacturing; 316L / brass / PTFE; 1–50 bar service.
- Product types: Hollow Cone Nozzle, Full Cone Nozzle, Flat Fan Nozzle, Spiral Anti-Clogging Nozzle.
- Standard and made-to-order configurations; project documentation on request.
- Material certificates, inspection records and test reports issued with the order where specified.

SELECTION INPUTS

- Duty, media, pressure and temperature.
- Size, pressure class and connection detail.
- Material and any sour-service or NACE requirement.
- Documentation, NDE and test requirements.

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.

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Hollow Cone Nozzle

ISO 9001 manufacturing · 316L stainless steel / Brass

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

Full Cone Nozzle

ISO 9001 manufacturing · 316L stainless steel / Carbide insert

Solid-cone spray for uniform coverage and higher impact.

PRODUCT TYPES

Each type below has a dedicated datasheet in the product library. Open the range page for specifications, ordering data and drawings.

Flat Fan Nozzle

ISO 9001 manufacturing · 316L stainless steel / Ceramic

Fan-shaped spray for linear coverage, coating and washing.

Spiral Anti-Clogging Nozzle

ISO 9001 manufacturing · 316L stainless steel / Hardened alloy insert

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

DOCUMENTS

- Spray Nozzles — Spray Patterns Overview (this document)
- Spray Nozzles — Spray Patterns General Arrangement Drawing
- Hollow Cone Nozzle Datasheet
- Full Cone Nozzle Datasheet
- Flat Fan Nozzle Datasheet
- Spiral Anti-Clogging Nozzle Datasheet

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