

PRODUCT DATASHEET

# Flat Fan Nozzle

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

Flat fan nozzles produce a narrow, fan-shaped pattern for linear coverage. They are used for coating, rinsing, conveyor washing and applications where a defined stripe of spray is required. Spray angles range from 25° to 110°.

### KEY FEATURES

- Fan-shaped pattern for linear coverage
- 25°–110° spray angles
- Uniform distribution across the fan
- Ceramic orifice options for wear resistance

### SPECIFICATION

| ITEM               | VALUE              |
|--------------------|--------------------|
| Connection         | 1/8–3/4 in NPT/BSP |
| Orifice            | 0.2–2.0 mm         |
| Operating pressure | 1.5–40 bar         |
| Flow range         | 0.05–15 L/min      |
| Spray angle        | 25°–110°           |
| Materials          | 316SS, ceramic     |

### STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L stainless; 1.5–40 bar service.

Materials: 316L stainless steel; Ceramic.

## ORDERING RANGE

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

| SERIES  | ORIFICE | PRESSURE   | MATERIAL | PART NUMBER     |
|---------|---------|------------|----------|-----------------|
| FFN-25  | 0.2 mm  | 1.5–40 bar | 316SS    | BGI-FFN-25-316  |
| FFN-40  | 0.5 mm  | 1.5–40 bar | 316SS    | BGI-FFN-40-316  |
| FFN-60  | 0.8 mm  | 1.5–40 bar | 316SS    | BGI-FFN-60-316  |
| FFN-80  | 1.2 mm  | 1.5–25 bar | Ceramic  | BGI-FFN-80-CER  |
| FFN-110 | 2.0 mm  | 1.5–25 bar | Ceramic  | BGI-FFN-110-CER |

## APPLICATIONS

- Coating and painting
- Conveyor washing
- Rinsing
- Cooling strips

## 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-FLAT-FAN-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.