

PRODUCT DATASHEET

Air Atomizing Nozzle

Compressed-air-assisted nozzle for fine atomization of viscous fluids.

Air atomizing nozzles combine liquid and compressed air to produce fine droplets at low liquid pressure. They are used for viscous fluids, coatings, lubrication and process injection where a conventional hydraulic nozzle cannot achieve the required atomization.

KEY FEATURES

- External or internal mixing
- Fine atomization at low liquid pressure
- Adjustable air and liquid flow
- 316SS and carbide wear parts

SPECIFICATION

ITEM	VALUE
Connection	1/4–1 in NPT/BSP
Liquid flow	0.5–20 L/min
Liquid pressure	2–10 bar
Air pressure	4–8 bar
Mixing	External or internal
Materials	316SS, carbide

STANDARDS AND MATERIALS

Standards: ISO 9001 manufacturing; 316L / carbide; Liquid 2–10 bar · Air 4–8 bar.
Materials: 316L stainless steel; Carbide.

ORDERING RANGE

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

SERIES	FLOW	LIQUID PRESSURE	MATERIAL	PART NUMBER
AAE-External	0.5–5 L/min	2–10 bar	316SS	BGI-AAE-EXT-316
AAE-Internal	1–10 L/min	2–10 bar	316SS	BGI-AAE-INT-316
AAE-Internal	5–20 L/min	2–10 bar	316SS/carbide	BGI-AAE-INT-CARB
AAE-External	0.5–3 L/min	2–10 bar	316SS/carbide	BGI-AAE-EXT-CARB

APPLICATIONS

- Viscous fluid spraying
- Coatings and adhesives
- Lubrication
- 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-AIR-ATOMIZING-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.