

FLOW NOZZLE-FNA

DESCRIPTION

Flow nozzles are used as flow elements for flow measurement of aggressive and non-aggressive gases, steam and liquids.

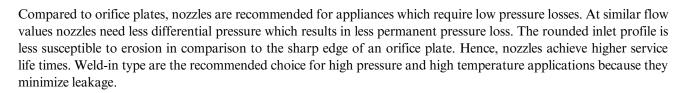
DESIGN

Flow nozzles have a round inlet section and a short cylindrical throat. Venturi nozzles having an outlet cone differ from the classical Venturi tube in terms of the contours, the cross-section is axisymetric which is similar to the ISA 1932.

APPLICATIONS

- Oil & Gas
- Petrochemical Industries
- Power Generation

ADVANTAGES



SIZES

All nominal sizes are available in accordance with relevant standards. Standard size 80mm to 400mm NB; larger sizes are available on request.

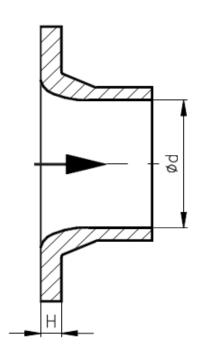
MATERIAL OF CONSTRUCTION

- Stainless Steel (standard)
- Hastelloy C276
- Monel 400
- Duplex
- Super Duplex

Others on request.

FLANGES

As per ANSI and for rating upto #2500 class. Stainelss Steel or Carbon Steel as standard. Other materials on request.



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PRESSURE TAPS

Pressure taps will be designed according to customer requirements. Typical tap designs are:

- Plain ends for fittings
- Butt weld ends
- Threaded ends
- Flanged ends

PLATE SEALING SURFACE

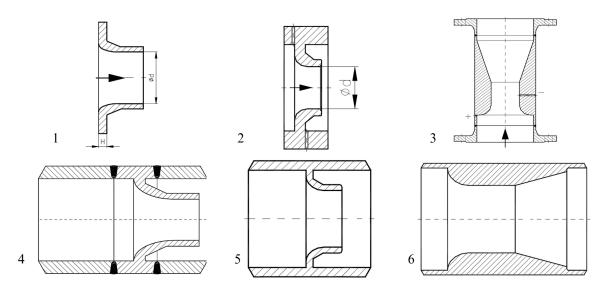
According to ASME B16.5:

- Flat (RF and SF)
- Groove (small/large)
- Tongue (small/large)
- Male/female (small/large)
- RTJ male or female

or according to other flange standards specified by the customer.

TYPES OF CONSTRUCTION

- LONG RADIUS ASME (1)
- ISA 1932 (2)
- VENTURI NOZZLE (3)
- WELD-IN TYPE (4,5,6)
- *Above Configurations can be offered with or without meter-run



ACCESSORIES

Pipe flanges, bolts/nuts, gaskets, spool pieces, instrument valves, condensate pots, manifolds, mounting accessories can be offered if requested.

NOTES

Installation can be in either horizontal or vertical orientation and can be mounted between flanges complying to ASME B1 16.5 / EN 1092-1 or other standard such as DIN, JIS or BS.