

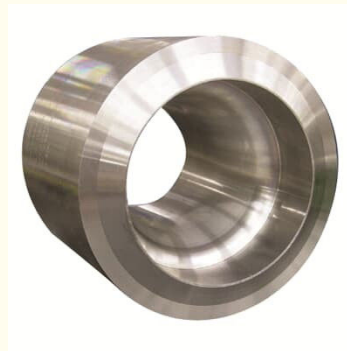
## Flow nozzle

Our Product Introduction

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### Basic Information

- Brand Name: ABB
- Model Number: NOZ



### Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: 20ma abb flow meter , hart abb flow meter ,

Our Product

### Product Description

The flow nozzle is used for high velocity flow measurement where erosion or cavitation could wear or damage an orifice plate.

#### Overview

Flow nozzles do not rely on a sharp edge (which can degrade over time) to maintain accuracy and therefore offer excellent long-term accuracy with less wear and reduced possibility of distortion. They are often used for flow testing on steam-raising plant.

A flow nozzle can measure higher flow rates than an equivalent orifice plate at the same design differential pressure. The flow nozzle is available to 3 standards and in designs for either clamping between flanges (within the bolt circle) or for welding into the pipe.

#### Data

Flow nozzles are available in three basic designs:

ISA 1932 nozzle

Long radius nozzle

ASME throat tap nozzle

Each design is slightly different and is covered by ISO5167:2003, with the exception of the ASME throat tap nozzle. The ASME nozzle can also be supplied in a pipe section to meet the requirements of ASME Performance Test Code 6 (PTC-6) for steam turbine testing.



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