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Flow Measurment

Catalog-ORIFICE Plate and Flange

AK-ORIFICE-01

General Description

Orifice plates are still the most widely used type of flowmeter in the world today. They offer significant cost benefits over other types of flowmeter, especially in larger line sizes, and have proved to be rugged, effective and reliable over many years.

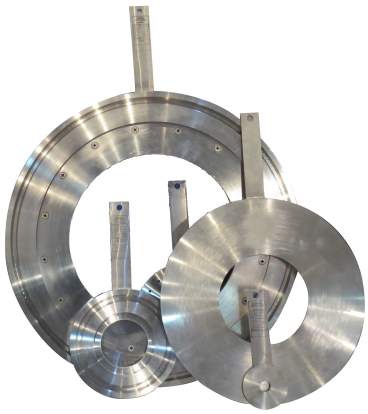
Orifice Flange Assembly

Measuring flow allows you to

- Improve process control
- Allocate heating costs (Steam or Air)
- Identify major energy users
- Provide management information

Applications

- Power generation
- Chemical and petrochemical industry
- Oil production and refining
- Suitable for liquid, gas and steam



Orifice Plate

Software for design Orifice

R.W. Miller and Associates The FLOW CONSULTANT TM Licensed Software 81Cx1628 C1987-2018 Version 8.1.5

Materials

Orifice plate: Stainless Steel 316/L
Flange: ASTM A105 Carbon Steel
Gaskets: 1.5 mm thick IBC ring type, non asbestos 3.2 mm thick sprial wound type, carbon steel outer, stainless steel inner, 316L windings with graphite filler.
Stud bolts & Nut: ASTM A193 B7 and ASTM A194 Gr 2H Plug: A105 Carbon Steel.
Jack bolt: A2-70
Plug: A105 Carbon Steel
Note: Others mat. on request

Gasket

Standards

Orifice plate: ISO 5167-1 & 2
Flange: B16.36 & B16.5
Gaskets: B16.20 & B16.21
Stud bolts & Nut: ASME B18.31.2 & ASME B18.2.2
Jack bolt: DIN 933

Stud bolt & Nut

Pressure Tapping

As ISO 5167-2 E2003
Flange tappings, or Corner pressure tapping, or with D and D/2 pressure tappings.