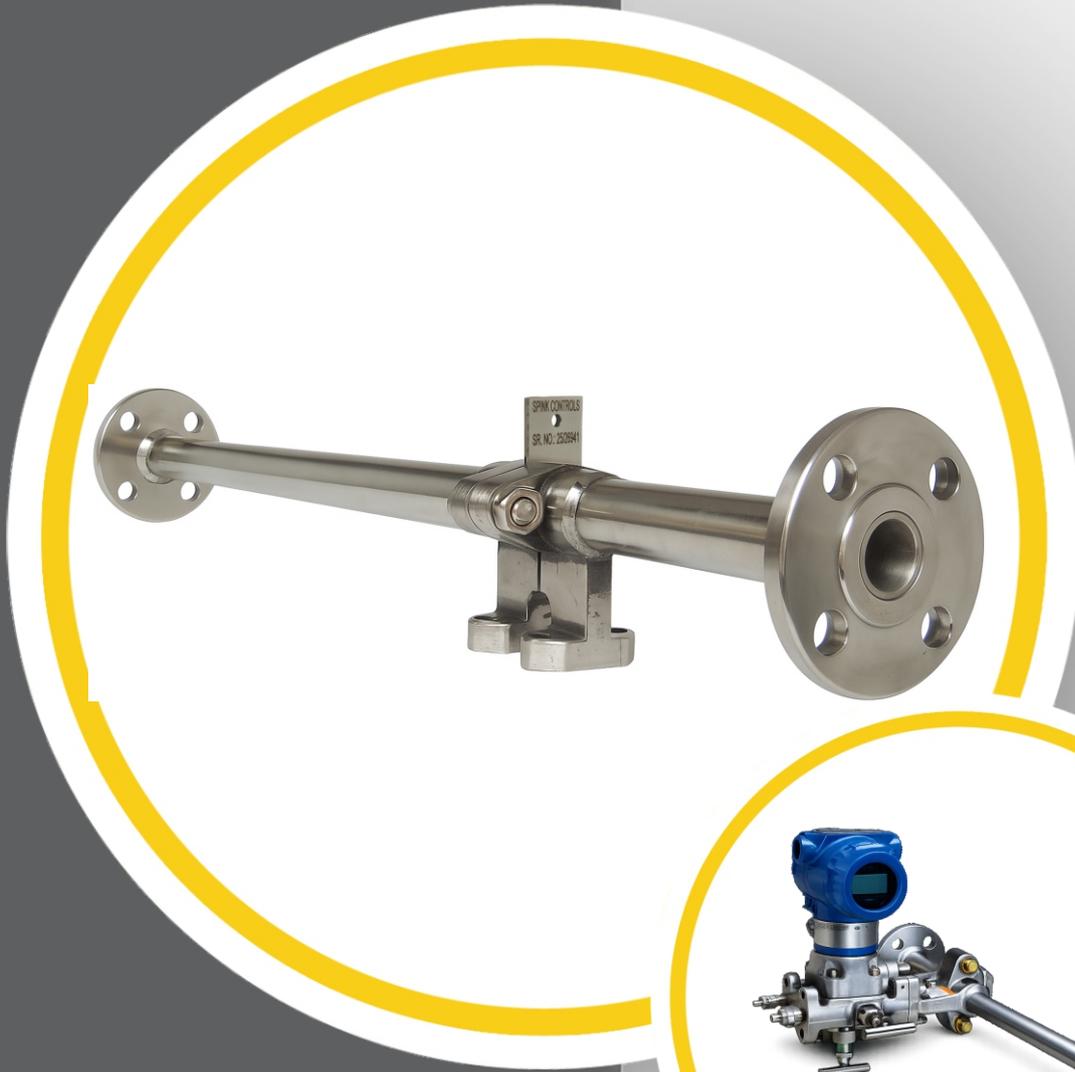


The Need For Every
Process Industry

SPINK CONTROLS®

An ISO 9001:2015 Certified Company



INTEGRAL ORIFICE PLATE ASSEMBLY

MODEL: SC / R - 1000

FLOW

INTEGRAL ORIFICE PLATE ASSEMBLY

MODEL: SC / R - 1000

The Integral Orifice Plate Assembly is a compact, precision-engineered differential pressure flow measurement device specifically developed for accurate and repeatable flow measurement in small line sizes below 2". . It is designed using the differential pressure principle, providing reliable and economical flow measurement for compact installations.

The Integral Orifice Plate Assembly is designed in conformity with ISA Recommended Practice RP 3.2 and is manufactured in strict accordance with internationally recognized flow measurement standards. Calculations are performed in accordance with:

- ISO 5167
- BS 1042
- ASME MFC-3M
- R.W. Miller flow measurement principles
- AGA-3 standards for gas flow measurement
- L.K. Spink validated empirical and field-proven methodologies



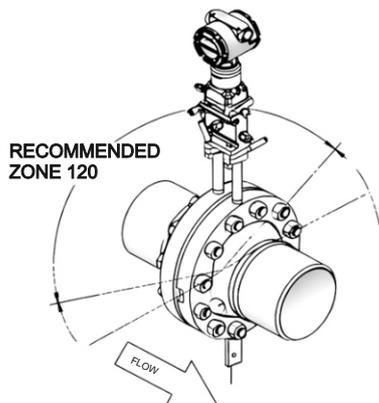
KEY FEATURES

- Minimizing installation errors
- Reducing space requirements
- Ensuring long term measurement stability
- Allows direct mounting of manifold valves & transmitters

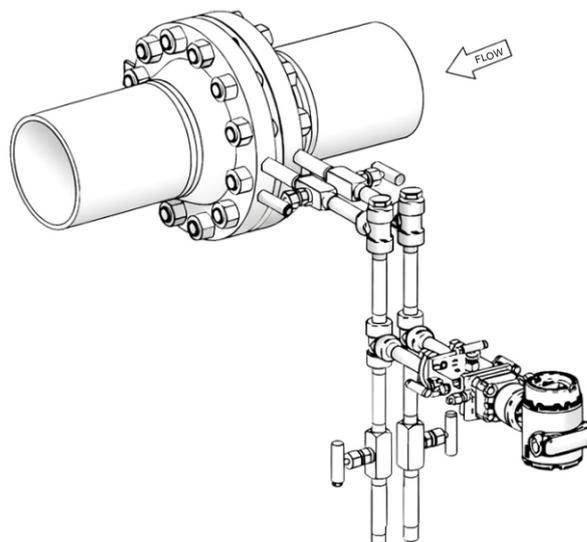
SUITABLE FOR

- Low flow rates
- Limited straight pipe runs
- High intensity measurement requirements

GAS IN HORIZONTAL PIPES



LIQUID AND STEAM IN HORIZONTAL PIPES



INTEGRAL ORIFICE PLATE ASSEMBLY CONSISTS OF:

1) ORIFICE PLATE

Type	: Concentric Square edge
Line size	: From 15 NB (1/2") to 40 NB (1.5")
Thickness	: 4 mm standard, customized on request
Material	: Ss304, SS 316, SS 316L, MS, CS, other on request
Tag Plate	: Details on the orifice handle
Tag Plate	: Details on the orifice handle
Qty.	: 1 No. for each set



2) INTEGRAL BLOCKS

Type	: Casting block, Flanges on request
Rating	: 150# - 300 # ; higher on request,
Material	: ASTM A105 , ASTM A182 SS316, SS304, other on request
Tapping	: Corner tapping
Tapping details	: 1/4" / 3/4" / 1/2" NPT (F) / BSP (F)
If required	: IBR (special temperature / steam condition)
Qty.	: 2 Nos. for each set



3) METER RUN

Length	: Depending on the Upstream & Downstream length
Material	: ASTM A106, SS, other on request

4) PROCESS CONNECTION

Type	: SORF , WNRF Flange, Butt weld, Socket weld, threaded , other on request
Material	: ASTM A105 , ASTM A182 SS316 , SS304, other on request

5) ACCESSORIES

Stud / Nut	: MS/CS, SS304, SS 316, other on request
Gasket	: PTFE, CAF, Rubber, other on request

6) ADD ON'S ACCESSORIES IF REQUIRED

DP transmitter	: MS/CS, SS304, SS 316, other on request
Manifold valve	: 3 way / 5 way; T type / H type; Mat: SS, MS
Valve	: Isolation/ Gate/ Ball valve – SS, other on request
Nipple	: NPT, BSP – SS, CS/ MS, other on request
Condensate pot	: (SC/R-2200)
Tubing	: SS tubing, other on request

6) ROUTINE TESTS IF REQUIRED

- Physical & Chemical test
- NACE MR 0175
- Wet Calibration
- IGC Practice test
- PMI, NDT, DPT test
- Other on request



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Plant 1

GALA No. F-4 A WING, UDYOG BHAVAN-2
ADDITIONAL AMBERNATH, INDUSTRIAL
AREA, ANAND NAGAR MIDC AMBERNATH,
THANE 421501

Plant 2

PLOT No.: MS 114/115, AMBERNATH
INDUSTRIAL AREA, CHIKHLOLI MIDC,
AMBERNATH (W) THANE 421501

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