

The Need For Every
Process Industry

SPINK CONTROLS®

An ISO 9001:2015 Certified Company



ORIFICE PLATE ASSEMBLY

MODEL: SC / R - 800

FLOW

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The Orifice Plate Assembly is designed for precise and repeatable measurement of flow rate and volumetric flow of liquids, gases, and vapours in industrial piping systems. The overall assembly design conforms to ISA RP 3.2

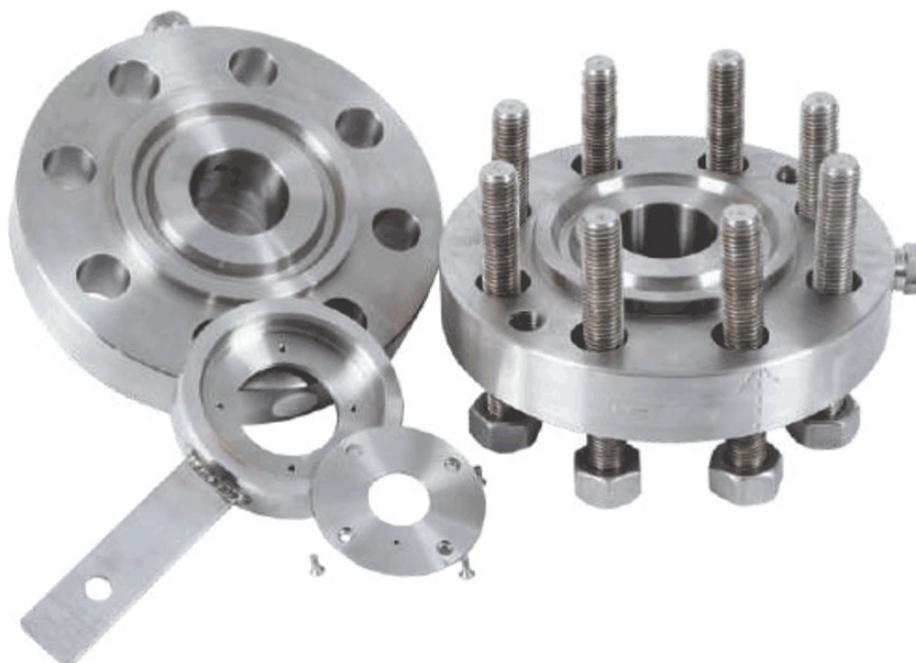
Orifice bore sizing and calculation are performed as per ISO 5167, BS 1042, ASME MFC-3M, R.W. Miller, AGA-3, and L.K. Spink methodologies.



ORIFICE PLATE ASSEMBLY CONSIST OF :

1) ORIFICE PLATE

- Type** : Concentric Square edge, Eccentric, Segmental, Quadrant, Conical Entrance
- Line size** : 25 NB to 600 NB, higher on request
- Thickness** : 3.18 mm, 6.35 mm, 9.52 mm, 12.7 mm – standard ; other on request
- Material** : SS304, SS 316, SS 316L, Hastalloy, Inconel, Monel, other on request
- If required** : PP, PVC, PTFE & Stellite coating
- Tag Plate** : Details on the orifice handle
- Qty.** : 1 No. for each set



2) ORIFICE FLANGES

Type	: Forged type, Weld Neck, Slip-On, Threaded, Socket Weld with RF, FF, RTJ facing
Rating	: 150# to 2500# higher on request, PN table, BS table
Standard	: ASME B 16.5 and ASME B 16.47 series A/B
Material	: ASTM A105 , ASTM A182 , SS316 , SS314 , MONEL
Tapping	: Corner tapings are recommended for sizes upto 1.5"; Flange taps from 2" to 16" ; D – D/2 taps for higher sizes.
Tapping details	: Orientation : 45°, 90°, 180°, other on request ; 2 – 4 no. of tapings ; type : 1/4" / 3/4" / 1/2" NPT (F) / BSP (F)
If required	: IBR (special temperature / steam condition)
Qty.	: 2 Nos. for each set



3) RTJ RING HOLDER

Type	: Octagonal ring type holder
Rating	: 600# to 2500#, higher on request
Material	: Soft iron, SS, Hastolloy, Monel, other on request
Qty.	: 1 No. for each set

4) ACCESSORIES

Stud / Bolt	: ASTM A193 Gr B7, other on request
Nut	: ASTM A193 Gr 2H, other on request
Jackscrew	: ASTM A193 Gr B7, other on request
Gasket	: Spiral Wound – SS/CS with Filler – Grafoil, Graphite, CAF,PTFE, other on request
Blind Plug	: Plastic, CS, SS , other on request

5) ADD ON'S ACCESSORIES IF REQUIRED

Meter run	: Depending on the Upstream & Downstream length; Material : ASTM A106, SS, other on request
Valve	: Isolation/ Gate/ Ball valve – SS, other on request
Manifold Valve	: 3 way / 5 way ; T type / H type ; Material : SS, MS
Nipple	: NPT, BSP – SS, CS/ MS, other on request
Condensate pot	: (SC/R-2200)
Tubing	: SS tubing, other on request
DP transmitter	: Honeywell make, other on request

6) ROUTINE TESTS IF REQUIRED

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