



Single Chamber Orifice Meters

Single Chamber Orifice Meters are available in a range of standard line sizes and configurations with optional materials available upon request.

Single Chamber Orifice Meters are used for flow measurement applications and are used to aid orifice plate inspections without the need to break the flange pipeline integrity, albeit a line shutdown and depressurisation is required. The plate is housed in a carrier ring with seals to mitigate any process bypass of the plate causing mis-measurement.

Economical and easy-to-use, this low maintenance flow measurement device simplifies the plate inspection and removal process without the need for flange separation.

ST SC-02

FEATURES

- Single Chamber Orifice Meters for flow measurement are quoted complete with orifice plates (datasheet ST-500OP). (Full code compliant meter runs/spools and flow conditioners/19 tube bundles will typically be purchased to complete the assembly - refer to relevant datasheet).
- FACING TYPE: Flat Face 'FF', Raised Face 'RF', Ring Type Joint,
- Materials: High Temp and Low Temp Carbon Steel, Stainless Steel 316, Duplex, Super Duplex, Monel, Inconel
- SIZES: 2" to 24" - other sizes available upon request
- ANSI CLASS: 150-2500 ANSI and 10,000 PSI
- Manufactured in accordance with international measurement codes ISO 5167 & AGA 3
- Options: Painted or special coatings, please state with inquiry

ORDERING INFORMATION

Part number format for ordering is as follows; SIZE-ANSI-SCH-CODE-CONFIG-FACING-QTY&TAP-MTL

Size	2" - 24" (other sizes available upon request)		
SCH	Pipe schedule or custom ID		
ANSI	150 - 2500 & up to 10,000 PSI		
Code	I ISO 5167	A AGA 3	
Configuration	W Weld x Weld	F Flange x Flange	FW Flange x Weld
Flange Facings	RF Rasied Face	RTJ Ring Joint	BX API Groove C Customer specific
QTY of Tapping pairs	2 (one tapping pair per meter side) 4 (two tapping pairs per meter side also known as Telemetry taps - note telemetry taps not available for ISO 5167 orders)		
TAPPING	N NPT-F	F Flanged Cow-horn (ANSI & facing to suit line flange) C Custom	
MATERIAL	WC High Temp C.Steel	LC Low Temp C. Steel	316 Stainless Steel D Duplex SD Super Duplex M Monel

WORKED EXAMPLE

ST-SC-4-600-80-A-FW-RF-4-N-D	Single Chamber 4" 600# Sch.80 Flange x Weld RF, AGA 3, 4 pairs of NPT-F taps in Duplex
ST-SC-8-1500-160-I-FF-RTJ-2-F-LC	Single Chamber 8" 1500# Sch.160 Flange x Flange RTJ, ISO5167, 2 pairs of flanged taps in Low Temp Carbon Steel