



## Dual Chamber Orifice Meters

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

Dual Chamber Orifice Meters are used for flow measurement applications. This device is utilised to aid orifice plate inspections without the need to break the flange pipeline integrity. No line shutdown and depressurization is required as the chamber houses a block and bleed isolation. 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 costly line intervention.

ST DC-02

### FEATURES

- Dual 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	<b>I</b> ISO 5167	<b>A</b> AGA 3	
Configuration	<b>W</b> Weld x Weld	<b>F</b> Flange x Flange	<b>FW</b> Flange x Weld
Flange Facings	<b>RF</b> Rasied Face	<b>RTJ</b> Ring Joint	<b>BX</b> API Groove <b>C</b> Customer specific
QTY of Tapping pairs	<b>2</b> (one tapping pair per meter side) <b>4</b> (two tapping pairs per meter side also known as Telemetry taps - note telemetry taps not available for ISO 5167 orders)		
TAPPING	<b>N</b> NPT-F	<b>F</b> Flanged Cow-horn (ANSI & facing to suit line flange) <b>C</b> Custom	
MATERIAL	<b>WC</b> High Temp C. Steel	<b>LC</b> Low Temp C. Steel	<b>316</b> Stainless Steel <b>D</b> Duplex <b>SD</b> Super Duplex <b>M</b> Monel

### WORKED EXAMPLE

ST-DC-4-600-80-A-FW-RF-4-N-D	Dual Chamber 4" 600# Sch.80 Flange x Weld RF, AGA 3, 4 pairs of NPT-F taps in Duplex
ST-DC-8-1500-160-I-FF-RTJ-2-F-LC	Dual Chamber 8" 1500# Sch.160 Flange x Flange RTJ, ISO 5167, 2 pairs of flanged taps in Low Temp Carbon Steel