

Grounding Rings

Grounding rings are used to suppress electrical interference at the installation location for electromagnetic flow meters (MAG meters). They are provided in pairs and are installed upstream and downstream of the flow meter.

Sur-Tech grounding rings are flat paddle plate type wafer-style rings designed to be installed between ANSI flanges. The use of grounding rings significantly reduces electrical noise and are recommended for optimum performance and operation of electromagnetic flow meters installed in lined or non-conductive pipes.

The bore size of the grounding ring should always match the meter line size (as opposed to the original pipe size) for installation with inline meters, to ensure that there is no intrusion into the flow line.



STGR-02

FEATURES

- **FACING TYPE:** Raised Face 'RF' - serrated machined face to ASME B16.5
- **TAG, ANSI Class, Line Size, Bore, Material & Type** etched on upstream face of tab. Part number etched on downstream face of tab handle
- **PLATE THICKNESS:** RF Paddle Plates are available in both metric and imperial thicknesses (needs to be stated with inquiry)
- **MATERIALS:** Stainless Steel 304 & 316, Monel, Inconel, Hastelloy, Zirconium, Tantalum
- **Sizes** - 0.25" to 54" (8DN to 1350DN) – other sizes available upon request
- **ANSI CLASS:** 150-600 ANSI – other ANSI classes available upon request
- **Manufactured** in accordance with ASME B16.5
- **OPTIONS:** Heat treated or special coatings, please state with inquiry

ORDERING INFORMATION

Part number format for ordering is as follows; **SIZE-ANSI-TYPE-BORE-MTL**

Size	0.25" - 54" (other sizes available upon request)		
ANSI	150, 300, & 600		
Bore	'd' dimension in inches (provided by customer or sized by calculation)		
MTL	304 = 304 St. Steel	M = Monel	Z = Zirconium
	316 = 316 St. Steel	I = Inconel	T = Tantalum

WORKED EXAMPLES

STGR-2-150-1.5-304	2" 150 ANSI, Grounding Ring with a 1.5" bore in 304 Stainless Steel
STGR-12-600-11-M	12" 600 ANSI, Grounding Ring with a 11" bore in Monel