



EMCO Multi Hole Restriction Plate Series MRP

Principle

EMCO multi hole restriction plates are used to restrict the flow and to reduce the noise in order to prevent damage on pipe line equipment on the upstream side in blow down systems or to limit the flow / pressure to avoid damage on equipment on the downstream side. The plates can be calculated according ISO 5167 as thin restriction orifice plates, or thick plates according to R.W. Miller/Ward-Smith.

Construction

Design and calculation standards	: ISO 5167, Shell Flow Meter Engineering Handbook, R.W. Miller: Flow Measurement Engineering Handbook, etc.
Sizes	: 2" - 24"
Pressure rating	: 300 - 2500 lbs
Orifice plate shape	: Square edge concentric.
Thickness calculation	: ASME standard.
Plate thickness	: Minimum 3 mm, thickness is calculated to handle the differential pressure.
Discharge coefficient	: Determined by the thickness of the plate
Material	: AISI 316, Duplex, Super Duplex, Monel, 6Mo, Titanium Hastelloy, others on request.
Mounting style	: Type MRP/1 : between RF flanges to ANSI or DIN standards. Type MRP/4 : between RTJ flanges to ANSI standard.
Handle	: With name plate in AISI 316 with the following inscription : TAG no., serial no. pressure rating, inner pipe dia., material.
Documentation	: Material certificate according to EN 10204-3.1. Noise calculation.



MRP/1



MRP/4