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Centering requirements The 1595 should be installed so that it is centered in the pipes as recommended by ISO-5167. 2 2 2 Manual: Rosemount 1595 Conditioning Orifice Plate Conditioning Orifice Plates Standard Orifice Plates; Orifice Bore: They have four equally spaced bores or holes on the plate: They have one central bore: Beta Ratio: Beta ratio is either 0.4 or 0.65 for all pipe sizes. Conditioning Orifice Plates are designed with 2 standard bore sizes, one for high flow rates and one for low flow rates. How Conditioning Orifice Plates Work ~ Learning ...Orifice Plate Installation Guidelines The section of the pipe in which the primary element is installed may be horizontal, inclined or vertical. The direction of the flow is immaterial except when a foreign substance such as sediment or vapor is carried in suspension. Orifice Plate Installation Detail How to install an Orifice Plate? Installation Guidelines 3.1.2 Material: The material of the Orifice plates shall be stainless steel type SS 316, unless otherwise specified. 3.1.3 Orifice Plate thickness shall be ≥ 3 mm (min.) for pipes having diameter ≤ 250 mm and shall be ≥ 6 mm (min.) for pipes having diameter up to 500 mm and shall be ≥ 10 mm (min.) for pipes having diameter STANDARD TECHNICAL SPECIFICATION FOR FLOW ORIFICE ASSEMBLY ...Restriction Orifice Plates Flow Measurement Manufactured generally to BS EN ISO 5167 Wide range of materials Proven technology Suitable for most pipe sizes Orifice sizing on request General Description Restriction orifice plates can be used as a simple pressure reducing device, or to limit the flow rate in a pipeline. They are designed to slip between pipe flanges. Product Data Sheet FM-OP/ROPA Restriction Orifice Plates A multi-hole orifice plate (or conditioning orifice plate) behaves like a flow conditioner. 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A circular (or a circular segmental) hole is drilled in it which may not be centrally located, for example, an eccentric orifice plate. Orifice Plate - an overview | ScienceDirect Topics Sizing Orifice Plates - Meeting Modern Expectations - Allan G. Kern - Orifice plates with differential pressure (DP) transmitters remain the workhorses of fluid flow measurement in the process industries, due to their proven robustness, ease of use, adaptability to a broad spectrum of applications, familiarity, and economy. 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Manual: Rosemount 1595 Conditioning Orifice Plate

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