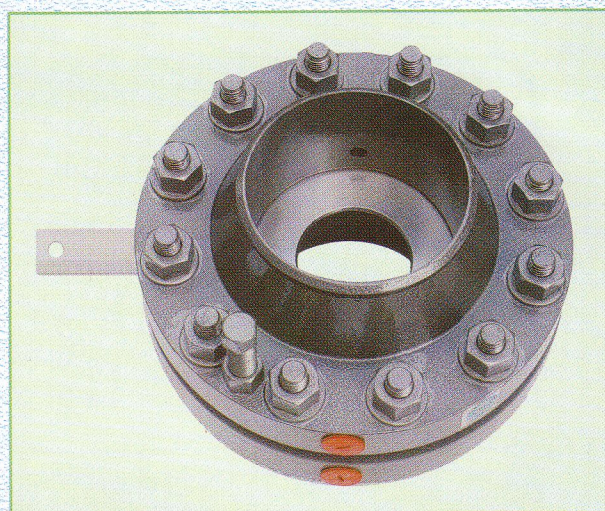
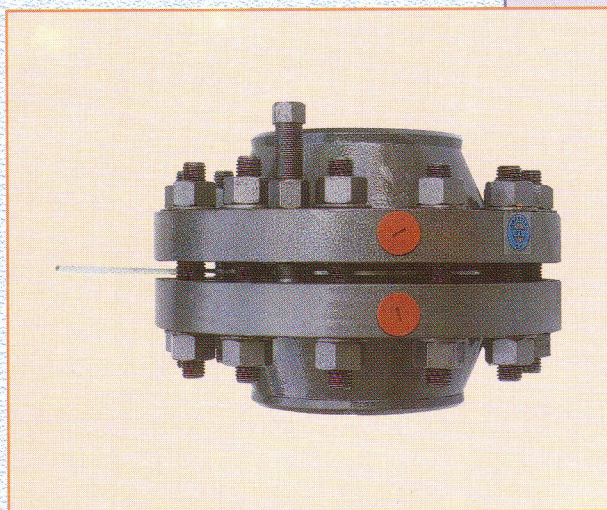
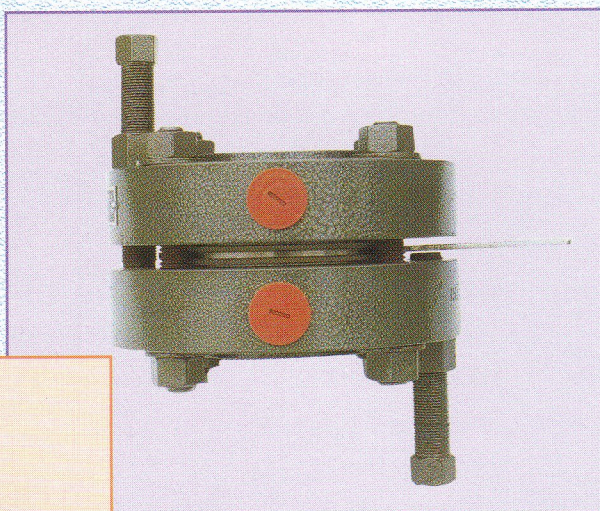
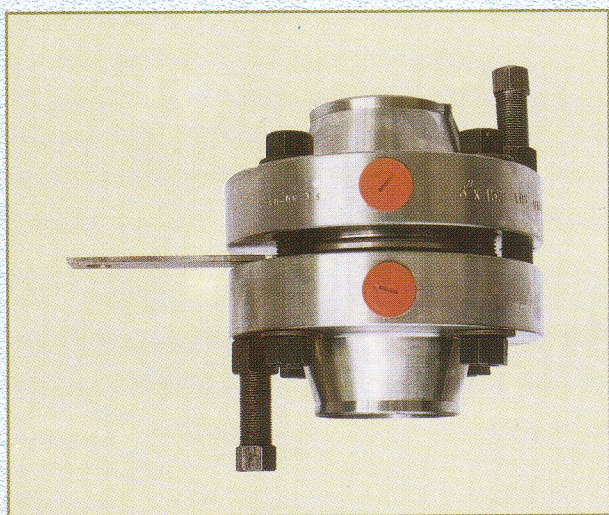




J R U CONTROL

ORIFICE PLATE ASSEMBLY

- Bore Sizing as per BS 1042/ISO5167/LK Spink
- In House Calibration Facility
- Variety of Materials to Suit Applications
- Proven Track Record
- PLACKA's Experience and Reliability

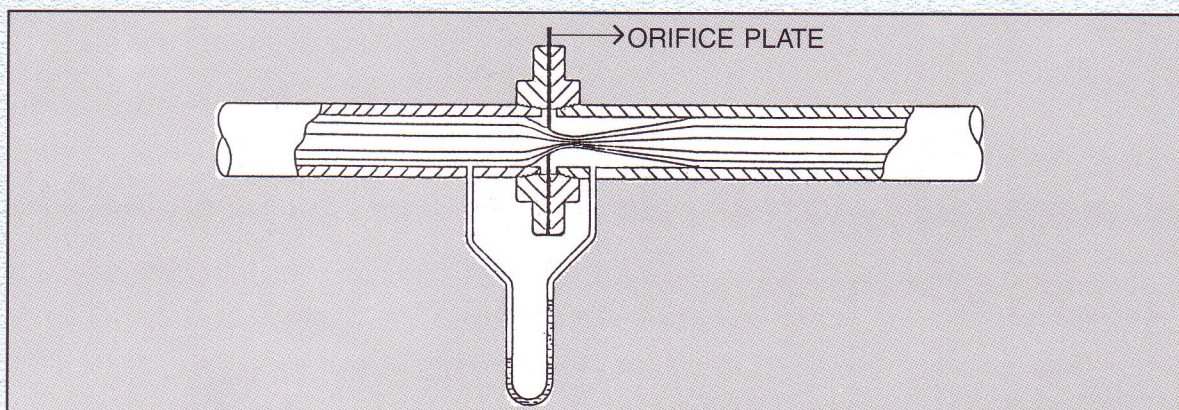


PRINCIPLE OF OPERATION

PLACKA Orifice Plate Assembly is used as a primary element for the measurement of flow rate of fluid through pipes. When the flow area is reduced by an orifice plate the Velocity of the fluid increases and its Pressure decreases at the reduced area. This decrease in pressure is directly proportional to the square of the increase in Velocity of the fluid. Hence by measuring the differential pressure across the orifice plate, the velocity of the fluid through the pipe can be determined. As the flow rate is directly proportional to velocity, the flow rate can be determined.



RWTUV



PLACKA makes sure that bore calculation/tolerances are well within the limits specified in the latest standards of BS 1042, LK SPINK, ISO 5167 and recommendations of AGA. Placka Concentric Orifice Plates are all designed as per ANSI & ISA RP Standards. The flanges are available along with orifice plates as Orifice Plate Assembly. The normal flange design is as per ANSI Standard. Different type of tapping arrangement are also provided as per customer's requirement. Placka has its own unique flow calibration facility for orifice plate upto 4" size. Also several assemblies have been tested and approved in leading Indian test houses.

Standard Specifications

Design Type	: BS 1042/LK SPINK/ISO 5167
Type	: Concentric Square Edge plate only
Flange Type	: Weld Neck, Slipon, Socket Weld
Flange Size	: 1" to 12"
Flange Rating	: 150 Lbs to 900 Lbs
Flange Face Finish	: 125 AARH/250 AARH
Type of Tapping	: Flange/Corner/Radius (D&D/2)
No. of Tapping/Size	: 2 Pairs/3 Pairs/1/2" NPT (F)
Gasket Thickness	: 3 mm/5mm

Standard Material

Flange	: A 105/CS/A182F316/A182F316L/A182F321/A182F304
Orifice Plate	: SS 316
Stud	: CS/A193 GR.B7
Nut	: CS/A193 GR.2H
Gasket	: CAF/SP.WND CA FILL SS 316/CAF JACKETED SS316/SP.WND CA FILL SS 304
Plug	: CS/SS

Data Required for Calculation

Max & Normal Flow	: Max Pressure
Max. Differential Pressure	: Density
Max. Temperature	: Viscosity
Vent/Drain Size	: If carrier ring please specify/if IBR required please specify.

J R U CONTROL PVT. LTD.
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