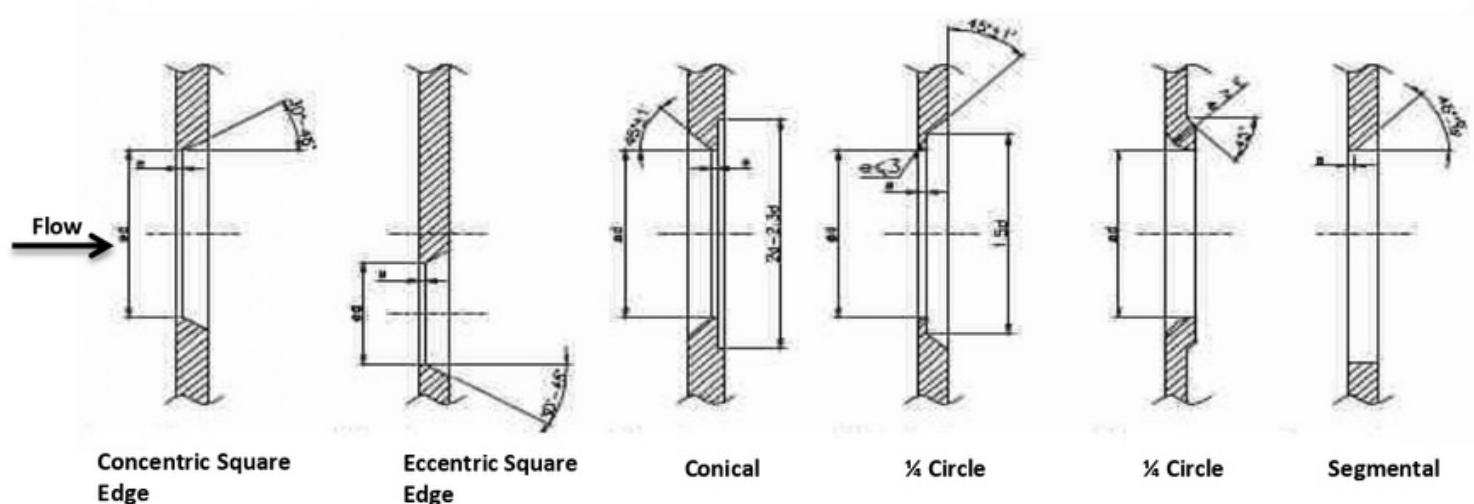


## DESCRIPTION



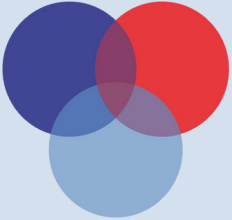
Oil &amp; Gas / Petrochemical Industries / Power Stations

## Type of Pressure Taps and Relevant Calculation

<b>Type Of construction</b>	<p><b>Flange Taps:</b> with pressure taps on flanges or on carrier ring</p> <p><b>Corner Taps:</b> with pressure taps on flanges, or on annular chambers, or on a monolithic plate</p> <p><b>Radius / Pipe Taps:</b> pressure taps shall be welded on pipe (in this case the assembly shall be supplied complete with the relevant spool pipe)</p>
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**Flow Calculation** Main Reference code: ISO 5167/ASME MFC-3M; ASME PTC 19.5

Type of Plate Connections All / Main Connections: RF-RJ



# Perfect Engineering Services

## Type of Flanges

WN-SW-LJ-THD-SO according to International Standards  
(ANSI/ASME/UNI/DIN/API)

## Other Options

**Single Chamber Orifice Plate Assembly:** is a special kind of construction with a system that allows an easy removal of the plate from the assembly

**Dual Chamber Orifice Plate Assembly:** is a special kind of construction with a system that allows an easy removal of the plate from the assembly under pressure (with the line still in operation)

## STANDARD LIMITS AND APPLICATION FIELDS

### Dimensions:

All taps configurations: 2" to 40"

### Beta Ratio:

All taps configurations: 0.1 to 0.75

### Reynolds Number

### Range:

For beta ratio up to 0.56: greater than 5000 (for lower Reynolds numbers, special orifice types are required)

## PERFORMANCES

- Accuracy (referred to the discharge coefficient): as per ISO Code
- Rangeability: 1 to 3
- Repeatability:  $\pm 0.1\%$
- Max PPL 50 to 70% of full scale differential pressure
- Straight Lengths Requirements: as per ISO 5167

## TYPICAL SUPPLY CONFIGURATIONS

- Orifice Plate only
- Orifice Plate Assembly
- Meter Run Assembly (up to 2")
- Complete Upstream /Downstream Spool Orifice Assembly (with Flow Conditioner, if required) for 2" and above

## CALIBRATION

- Accuracy (referred to the discharge coefficient) after calibration in an accredited laboratory  $\pm 0.5\%$  of F.S.

## NOTE

- Flow Meters can be manufactured according to client specifications
- Flow Meter can be supplied complete with all relevant accessories (valves / manifold/condensing pot /transmitter/ fitting / tubing)