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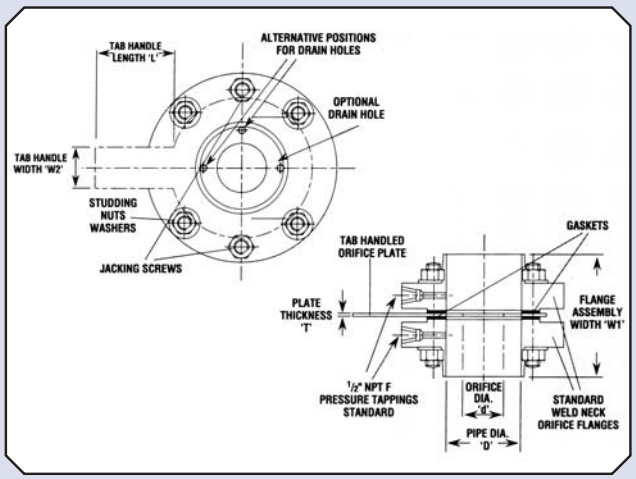
FLOW

Product Data Sheet **DS1723**

Platon DP Primary Flow Sensors

Weld Neck Orifice Flanges



Weld neck Orifice Flange Assemblies include integral pressure tappings as part of the mounting flanges. They are ideally suited to some steam flow applications where the whole assembly is butt welded directly into the line, the flanges being permanently fixed. The orifice plate may be removed for inspection or changed by loosening the nuts and bolts, while at the same time tightening the jacking screws to force the flanges apart.

The orifice plates used are the same as those available as slip orifice plates.

MATERIALS

Flanges	ASTM A105 carbon steel ASTM A182 F316L
Gaskets	Spiral Wound or CSF
Stud Bolts	ASTM A193 GR B7 B8M S/S
Hex Nuts	ASTM A194 GR 2H 8M S/S

Supplied with jacking bolts and plugs.

MATERIALS OF CONSTRUCTION

The standard material for the plate is 316 Stainless Steel, with alternative materials such as Monel 400 or Hastelloy C.

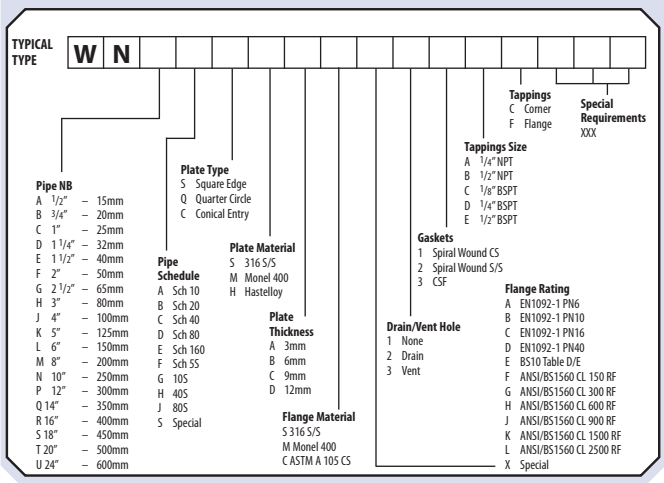
The flanges are forged carbon steel or Stainless Steel studding, nuts, bolts are either tensile carbon steel or stainless steel.

The gaskets are CSF or Spiral Wound

Information Required when Ordering

- Fluid Type
- Max Flow (If fluid is gas state if conditions are ACTUAL, STANDARD or NORMAL)
- Normal Flow
- Operating Pressure
- Operating Temperature
- Viscosity
- Specific Gravity or Density
- Type of Tappings (CORNER, FLANGE)
- Orifice type: Square edged, Conical entrance or Quarter Circle
- Exact Line ID or Pipe Specification
- Tag number to be marked on handle
- Flange Rating and Orifice bore to be marked on handle
- Differential Pressure Requirement

CODE NUMBER SYSTEM



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