# **BERMAD** Waterworks

#### Accessories

## **Orifice Plate Assembly**

When an orifice plate assembly is used as an integral part of a flow control valve control circuit, it provides the differential pressure ( $\Delta P$ ) to power the flow control pilot. The opening and closing of the pilot causes the flow control valve to throttle accordingly.

Total head loss across the valve is reduced by locating sensing ports close to the orifice plate, to sense downstream pressure before it recovers.

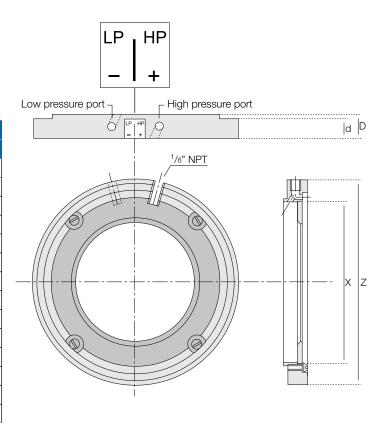
The orifice plate internal diameter is calculated and machined according to valve size and required flow limitation.



### **Technical Data**

Body material: Fusion bonded epoxy Steel or Stainless Steel Orifice plate: Stainless Steel Sensing ports: <sup>1</sup>/<sub>8</sub>" NPT Standard calculated differential pressure: 0.4 bar (5.5 psi)

#### Dimensions Size Z d D Х inch mm inch mm inch mm inch mm inch mm 40 1.5 80 3.1 36 1.4 20 0.8 25 1 50 2 94 3.7 53 2.1 20 0.8 25 1 4.2 2.5 2.4 0.8 1 65 106 61 20 25 2.9 0.8 80 З 126 5 73 20 25 1 4 96 20 25 100 155 6.1 3.8 0.8 1 150 6 210 8.3 150 5.9 20 0.8 25 1 200 8 265 10.4 195 7.7 20 0.8 25 1 250 10 320 12.6 245 9.6 20 0.8 25 1 12 372 14.6 295 11.6 20 0.8 25 1 300 14 418 16.5 13.6 0.9 350 345 24 30 1.2 400 16 482 19 395 15.6 20 0.8 25 1 450 18 535 21.1 443 17.4 20 0.8 28 1.1 500 20 590 23.2 501 19.7 22 0.9 30 1.2 600 24 697 27.4 599 23.6 35 1.4 50 2





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