



### Orifice Assembly

When an orifice assembly is used as an integral part of a flow control valve control circuit, it provides a Pressure Differential ( $\Delta P$ ) in direct proportion to the flow rate. This  $\Delta P$  sensed by the flow control pilot, powering it to open or close. The opening and closing of the pilot causes the flow control valve to throttle accordingly. The orifice internal diameter is calculated and machined according to valve size and required flow limitation.

#### Technical Data

**Body material:**

Coated Cast Iron (2"; DN50), Coated Steel (3"; DN80)

**Orifice plate:** Stainless Steel

**Sensing ports:** 1/4" NPT

**Standard calculated ( $\Delta P$ ):** 0.4 bar (5.5 psi)



Size	DN50	2"	DN80	2"
<b>Dimensions</b>				
D	95 mm	3 <sup>9</sup> / <sub>16</sub> "	91 mm	3 <sup>9</sup> / <sub>16</sub> "
LB	60 mm	2 <sup>3</sup> / <sub>8</sub> "	70 mm	2 <sup>3</sup> / <sub>4</sub> "
LT	19 mm	3/4"	30 mm	1 <sup>3</sup> / <sub>16</sub> "
P	5 mm	3/16"	5 mm	3/16"
R	44.9mm	1 <sup>3</sup> / <sub>4</sub> "	84mm	3 <sup>5</sup> / <sub>16</sub> "
TF	G2	2" BSP-F	R3	3" BSP-F
TM	R2	2" BSP-T	R3	3" BSP-T
TP	1/4" NPT			

