

Diverting Valve

Three-way diverting valves can be used for temperature control in many heating and snowmelting applications.

Features

- Includes solder tailpieces (1¼" and 1½" models use same valve body with different tailpieces)
- Pre-installed high limit kit
- Compatible with most Viega actuators
 Three Position - 18003
 Proportional Actuator - 0-10v 18025
 Non-electric Models - 16101, 16102, 16104, 16105, 16115

Specifications

Materials:

Bronze valve body
 Brass and corrosion-resistant steel internal components
 EPDM rubber seals

Actuator threads: M30 x 1.0
 Max working temp.: 242°F (120°C)
 Max working pressure: 145 psi (10 bar)

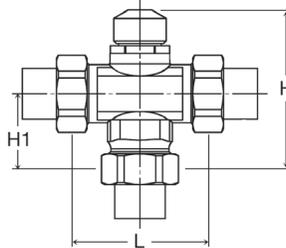
Max differential pressure (tight shut-off on both end positions of valve discs):

¾"	10.9 psi (75 kPa)
1"	7.3 psi (50 kPa)
1¼"	2.9 psi (20 kPa)
1½"	2.9 psi (20 kPa)

Pressure Drop

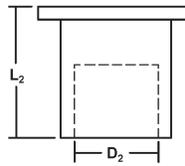
Pressure drop values for Viega diverting valves may be determined from the chart at right below. 1¼" and 1½" models share the same valve body, so the pressure drop for these models is the same.

Dimensions



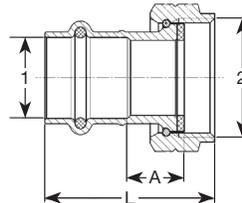
Part No.	Size	L (in)	H (in)	H1 (in)
20001	¾"	3.15	3.94	1.85
20002	1"	3.54	4.06	1.97
20003	1¼"	4.53	4.65	2.52
20041	1½"	4.53	4.65	2.52

Soldered Tailpiece



Size	D2 (in)	L2 (in)
¾"	0.875	0.91
1"	1.125	1.18
1¼"	1.375	1.57
1½"	1.625	1.26

ProPress Tailpiece



Diverting Valve Part No.	Tailpiece Part No.	Size		A (in)	L (in)
		1	2		
20001	79805	¾"	1"	BSP	0.63 1.87
20002	79815	1"	1¼"	BSP	0.72 2.04

Part No.	Size	Type	L (in)	H (in)	H1 (in)	Weight (lbs)	Cv Rating	Flow (gpm)	Heat Capacity (BTU/H)	Pressure Drop (psi)	Pressure Drop (ft of head)
20001	¾"	Solder	3.15	3.94	1.85	2.2	5.3	5	50,000	0.9	2.0
								6	60,000	1.3	2.9
20002	1"	Solder	3.54	4.06	1.97	3	7.6	7	70,000	0.8	2.0
								9	90,000	1.4	3.2
20003	1¼"	Solder	4.53	4.65	2.52	6.1	11.1	10	100,000	0.8	1.9
								12	120,000	1.4	2.7
20041	1½"	Solder	4.53	4.65	2.52	6.1	11.1	13	130,000	1.4	3.2
								14	140,000	1.6	3.7

Note: Heat capacity is based on water at a ΔT of 20°F. The fluid used to calculate pressure drop across the valve is water @ 100°F

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