

## 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)

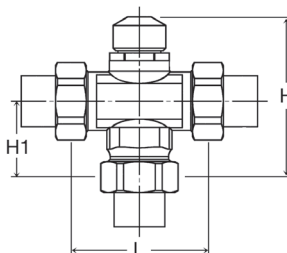
1¼" 2.9 psi (20 kPa)

1½" 2.9 psi (20 kPa)

### Pressure Drop

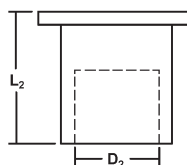
Pressure drop values for Viega diverting valves may be determined from the chart at right below. 1¼" and 1½" models share the same valve body, so the pressure drop for these models is the same.

### Dimensions



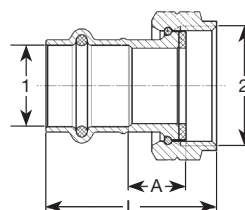
Part No.	Size	L (in)	H (in)	H1 (in)
20001	¾"	3.15	3.94	1.85
20002	1"	3.54	4.06	1.97
20003	1¼"	4.53	4.65	2.52
20041	1½"	4.53	4.65	2.52

### 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" x 1" BSP	0.63	1.87
20002	79815	1" x 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 6	50,000 60,000	0.9 1.3	2.0 2.9
20002	1"	Solder	3.54	4.06	1.97	3	7.6	7 9	70,000 90,000	0.8 1.4	2.0 3.2
20003	1¼"	Solder	4.53	4.65	2.52	6.1	11.1	10 12	100,000 120,000	0.8 1.4	1.9 2.7
20041	1½"	Solder	4.53	4.65	2.52	6.1	11.1	13 14	130,000 140,000	1.4 1.6	3.2 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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