



### **Diverting Valve**

#### **Applications**

Three-Way Diverting Valves can be used for temperature control in many heating and snowmelting applications.

#### **Features**

- Includes solder tailpieces (1-1/4" and 1-1/2" models use same valve body with different tailpieces)
- Pre-installed high limit kit
- Compatible with most Viega actuators (Three Position - 18 003, Two Position - 18 005, and non-electric models - 16 101, 16 102, 16 104, 16 105, 16 115)

### **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)

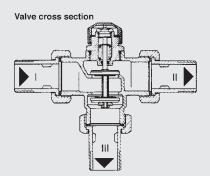
Max working pressure: 145 psi 10 bar)

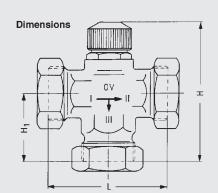
Max differential pressure (tight shut-off on both end positions of valve discs)

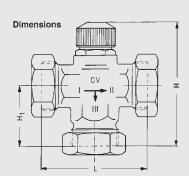
3/4" 10.9 psi (75 kPa) 1" 7.3 psi (50 kPa) 1-1/4" 2.9 psi (20 kPa) 1-1/2" 2.9 psi (20 kPa)

### **Operations**

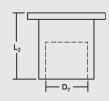
Diverting Valves have one entry port and two exit ports (see diagram to the right). Depending upon the position of the valve stem, flow is diverted from one exit port to the other.







Size	Stock Code	L (in)	H (in)	H <sub>1</sub> (in)
3/4"	20 001	3.15	3.94	1.85
1"	20 002	3.54	4.06	1.97
1-1/4"	20 003	4.53	4.65	2.52
1-1/2"	20 041	4.53	4.65	2.52



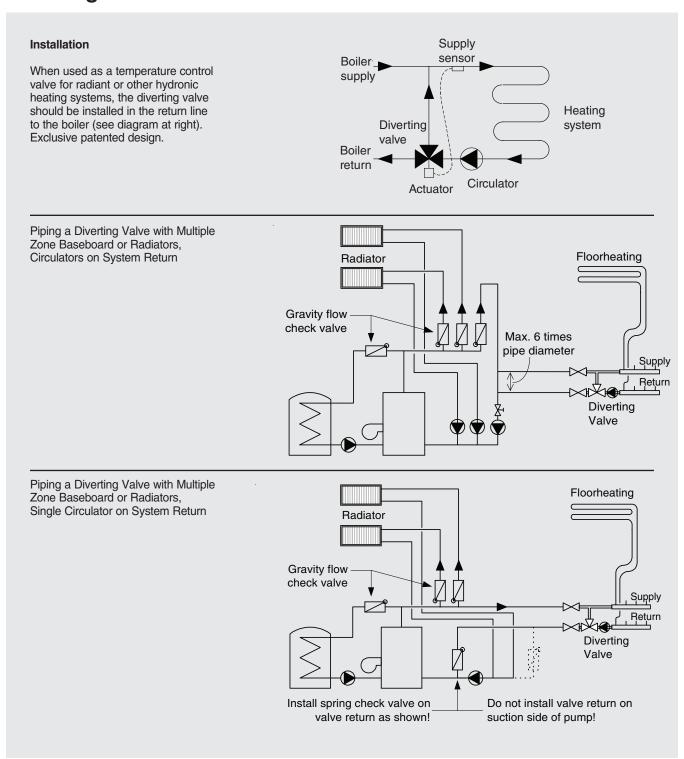
Size	D <sub>2</sub> (in)	L <sub>2</sub> (in)
3/4"	0.875	0.91
1"	1.125	1.18
1-1/4"	1.375	1.57
1-1/2"	1.625	1.26

VIEGA • One Company... One Partner... Delivering System Solutions.





## **Diverting Valve**

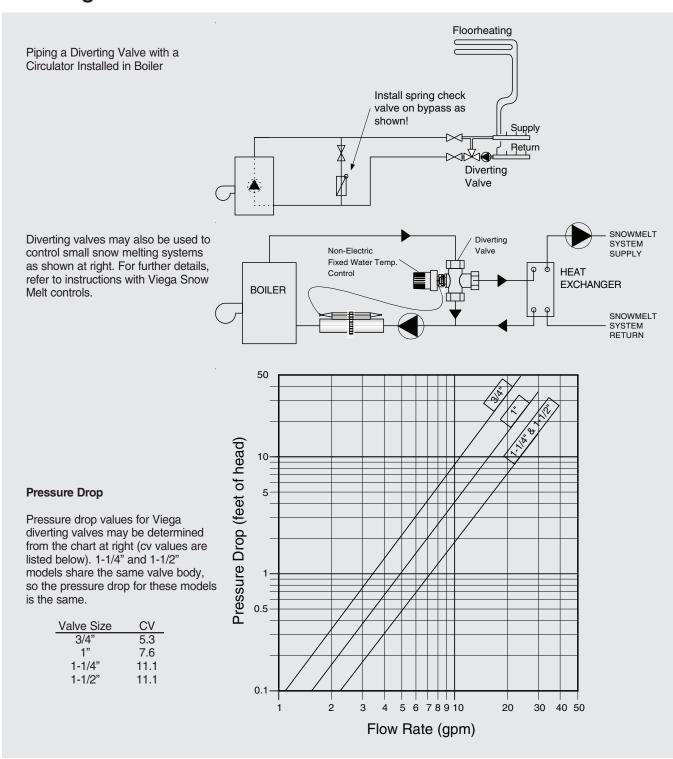


VIEGA • One Company... One Partner... Delivering System Solutions.





## **Diverting Valve**



VIEGA • One Company... One Partner... Delivering System Solutions.

301 N. Main, Floor 9 • Wichita, KS 67202 • Ph: 877-Viega-NA • Fax: 800-976-9817 • E-Mail: service@viega.com • www.viega-na.com PI-PR-20001 0307



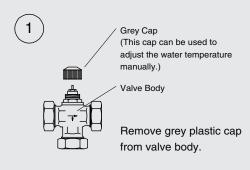


### **Diverting Valve**

#### Installation

The Diverting Valve is provided with a pre-installed temperature High Limit Kit. This kit is installed into the 3-way valve to allow a maximum supply water temperature to be set.

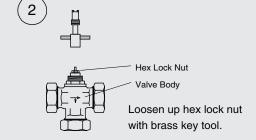
This kit must be unscrewed when purging the system and should then be set according to the instructions below.



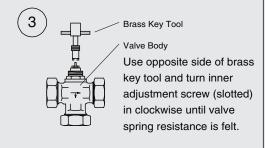


Note: This calibration must be done with the boiler at its highest temperature, the circulator running and all zones open.

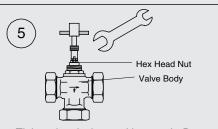




Turn adjustment screw further clockwise until desired supply water temperature is obtained and count quarter turns for reference. This has to be done carefully and slowly because each quarter turn of the adjustment screw will result in approximately 15 °F temperature reduction. Wait until desired water temperature stays consistent.



To lower water temperature turn key clockwise; turn counterclockwise to raise it!



Tighten hex lock nut with wrench. Do not overtighten!

To secure high limit adjustment hold slotted adjustment screw with brass key, while tightening lock nut.

VIEGA • One Company... One Partner... Delivering System Solutions.