

## Diaphragm Valves

These chemically inert, nonporous valves are made of Teflon® PFA. Valves withstand a wide range of temperatures and pressures; refer below for specific values.

See the "Tubing" section on pages 1910-1942 for PFA tubing; see the "Fittings" section on pages 412-461 for other PFA fittings and grooving tools to improve the sealing capability of your valves.



### Asti Diaphragm Valves

Asti valves are made of Teflon® PFA. Maximum temperature is 176°F (80°C); maximum pressure is 75 psi.

Cat. no.	NPT(F)	Orifice	C <sub>v</sub>	Price
<a href="#">A-30502-04</a>	1/4"	1/4"	0.47	
<a href="#">A-30502-05</a>	3/8"	3/8"	1.17	

### Two-Way, Three-Way, and Sample Diaphragm Valves

No exposed metal parts. Two-way valve 06373-04 includes bracket and screws. Three-way valve 06482-00 and all sample valves include screws for mounting hardware.



31101-00



06373-04



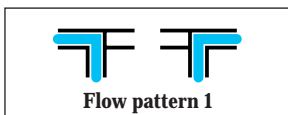
06482-00



06373-15

Cat. no.	NPT(F)	Orifice	C <sub>v</sub>	Temperature	Pressure	Price
<b>Two-way diaphragm valves</b>						
<a href="#">A-31101-00</a>	1/4"	1/4"	0.90	35 to 300°F	29" Hg to 100 psi	
<a href="#">A-31101-10</a>	1/2"	1/4"	3.0	(-17 to 150°C)		
<a href="#">A-06373-04</a>	1/4"	1/4"	0.62	0 to 225°F	27" Hg to 60 psi	
				(-17 to 107°C)		
<b>Three-way diaphragm valve; follows flow pattern 1</b>						
<a href="#">A-06482-00</a>	1/4"	1/4"	0.95	0 to 225°F	27" Hg to 45 psi	
				(-17 to 107°C)		
<b>Sample diaphragm valves; follow flow pattern 3</b>						
<a href="#">A-06373-15</a>	1/4"	1/4"	0.55 to 1.10	0 to 225°F	27" Hg to 60 psi	
				(-17 to 107°C)		
<a href="#">A-31101-20</a>	1/4"	1/4"	0.95 or 0.90*	35 to 300°F	29" Hg to 100 psi	
				(2 to 150°C)		

\*C<sub>v</sub> factor is 0.95 from port 1 to port 3; 0.90 from ports 1 or 3 to port 2.



Flow pattern 1



Flow pattern 3

## George Fischer Type 314 and 315 Manual Diaphragm Valves

### Ideal for use with slurries, abrasive media, and DI water

- ▶ Ideal for applications involving throttling or on/off service
- ▶ Allow flow through the valve in either direction
- ▶ Mount either vertically or horizontally
- ▶ PVC valves feature true union socket connections.
- ▶ CPVC valves have spigot connections.
- ▶ Visual position indicator
- ▶ PVC or CPVC body construction
- ▶ EPDM diaphragm



Type 314 PVC valve with true union socket connections



07390-02

Type 315 CPVC valve with spigot connections

07395-02

### Specifications & Ordering Information

#### Maximum temperature

PVC valves: 150°F (65.5°C)  
CPVC valves: 215°F (101.6°C)

**Wetted parts:** PVC or CPVC valve, EPDM diaphragm

**Actuator:** manual

**Working pressure:** 150 psi @ 68°F

Catalog number	Size	C <sub>v</sub>	Actuator	Price
<b>Type 314 PVC valves with true union socket connections</b>				
<a href="#">A-07390-00</a>	1/2"	5.04	Manual	
<a href="#">A-07390-02</a>	3/4"	9.59		
<a href="#">A-07390-04</a>	1"	14.49		
<a href="#">A-07390-06</a>	1 1/4"	24.78		
<a href="#">A-07390-08</a>	1 1/2"	36.19		
<a href="#">A-07390-10</a>	2"	49.91		
<b>Type 315 CPVC valves with spigot connections</b>				
<a href="#">A-07395-00</a>	1/2"	5.04	Manual	
<a href="#">A-07395-02</a>	3/4"	9.59		
<a href="#">A-07395-04</a>	1"	14.49		
<a href="#">A-07395-06</a>	1 1/4"	24.78		
<a href="#">A-07395-08</a>	1 1/2"	36.19		
<a href="#">A-07395-10</a>	2"	49.91		

## Thread Sealer Tape and Pipe Joint Compound

### Teflon® PTFE Thread Sealer Tape

Teflon® PTFE tape helps prevent leaks and seepage at threads. Teflon® tape withstands temperatures from -250 to 500°F (-157 to 260°C).

**BH-08782-27** Teflon® PTFE thread sealer tape. Roll measures 260"L x 1/2"W. Pack of 10 rolls



### Pipe Joint Compound

Soft-set, non-hardening formula withstands temperatures from -15 to 400°F (-26 to 204°C); withstands pressures to 1000 psi for gases, to 2000 psi for liquids. **Note:** not recommended for use with plastic fittings or for lines carrying oxygen. Contains no lead or silicone.

**BH-08782-65** Pipe joint compound. Pack of five 1/2-pint jars

