

Polypropylene Technical Polypropylene Valve & Gauge Guard Selection Ratings



Large Diameter Butterfly Valves



Maximum Service Temperature
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
Contact Spears® for Custom Produced Valve Sizes 30" to 60"
Pressure Rating @ 73°F (23°C), Water

| Size | Psi |
|------|-----|
| 14 | 100 |
| 16 | 85 |
| 18 | 70 |
| 20 | 50 |
| 24 | 50 |



Industrial Swing Check Valves



Pressure Rating @ 73°F (23°), water
3/4" - 4" 150 psi
6" 100 psi
8" 70 psi
Maximum Service Temperature
PP = 180°F (82°)
Temperature/Pressure De-ratings Apply
All Valves Assembled with Silicone-Free Lubricants



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

Bolted Bonnet on Sizes 1-1/2" & Up

Diaphragm Valves

Contact Spears® for Pricing on Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings (for True Union Style Valves)

Pressure Rating @ 73°F (23°), Water

| | |
|--|---------|
| 1/2" - 2" | 235 psi |
| 1/2" - 4" Flanged & Valves w/PTFE Diaphragms | 150 psi |
| 6" | 100 psi |
| 8" | 75 psi |

Maximum Service Temperatures
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
No Lubricants in Media Contact Area
See Diaphragm Valve Repair Kits Section for Additional Options and Features



PP Thread Style

Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°), water
1-1/2" - 12" 150 psi
Maximum Service Temperature
PP = 180°F (82°)
Temperature/Pressure De-ratings Apply
See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features

PP GAUGE GUARDS

Connection use Spears® Patented Special Reinforced (SR) Female Threads on Pressure Inlet (1/4" or 1/2")

Pressure Rating
235 psi @ 73°F
16 BAR @ 22°C
Maximum Service Temperature
PP = 180°F (82°C)
Temperature/Pressure De-ratings Apply
Rated for Full Vacuum Service

Gauge Guards are pre-filled with glycerin-water on units with Factory Installed Gauges.
"No Gauge" units are to be filled by end user.



PP Needle Valve

Pressure Rating @ 73°F (23°C), Water
150 psi
Maximum Service Temperature
PP = 180°F (82°)
Solid PTFE Stem Seals
No Elastomer or Lubricants used
Valves include Panel Mounting Nut



General Installation Information: Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft/sec.