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

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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 Diaphrams

Hypalon®

PP Thread Style

- · 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 150 psi Diaphragms 100 psi 75 psi

Maximum Service Temperatures PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply No Lubericants in Media Contact Area See Diaphragm Valve Repair Kits Section for Addtional Options and Features

Butterfly Valves



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 Needle Valve

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

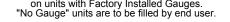
Maximum Service Temperature
PP = 180°F(82°C)

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.



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

