



Polypropylene Valves & Accessories



PRODUCT

Contact Spears® for any Information not found.



Polypropylene Product Gauge Guards

Gauge Guards



Connections 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.

GAUGE GUARDS, PP

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
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PTFE Diaphragm

No Gauge	G0004-002P 141.73	G0004-005P 141.73	1	18	626
0-30 in-Hg	G30V4-002P 217.72	G30V4-005P 217.72	1	18	626
0-15 psi	G0154-002P 207.07	G0154-005P 207.07	1	18	626
0-30 psi	G0304-002P 207.07	G0304-005P 207.07	1	18	626
0-60 psi	G0604-002P 207.07	G0604-005P 207.07	1	18	626
0-100 psi	G1004-002P 207.07	G1004-005P 207.07	1	18	626
0-160 psi	G1604-002P 207.07	G1604-005P 207.07	1	18	626
0-200 psi	G2004-002P 207.07	G2004-005P 207.07	1	18	626
0-300 psi	G3004-002P 207.07	G3004-005P 207.07	1	18	626

GAUGE GUARDS, PP

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
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FKM Diaphragm

No Gauge	G0003-002P 141.73	G0003-005P 141.73	1	18	626
0-30 in-Hg	G30V3-002P 217.72	G30V3-005P 217.72	1	18	626
0-15 psi	G0153-002P 207.07	G0153-005P 207.07	1	18	626
0-30 psi	G0303-002P 207.07	G0303-005P 207.07	1	18	626
0-60 psi	G0603-002P 207.07	G0603-005P 207.07	1	18	626
0-100 psi	G1003-002P 207.07	G1003-005P 207.07	1	18	626
0-160 psi	G1603-002P 207.07	G1603-005P 207.07	1	18	626
0-200 psi	G2003-002P 207.07	G2003-005P 207.07	1	18	626
0-300 psi	G3003-002P 207.07	G3003-005P 207.07	1	18	626

EPDM Diaphragm

No Gauge	G0002-002P 136.13	G0002-005P 136.13	1	18	626
0-30 in-Hg	G30V2-002P 208.99	G30V2-005P 208.99	1	18	626
0-15 psi	G0152-002P 198.87	G0152-005P 198.87	1	18	626
0-30 psi	G0302-002P 198.87	G0302-005P 198.87	1	18	626
0-60 psi	G0602-002P 198.87	G0602-005P 198.87	1	18	626
0-100 psi	G1002-002P 198.87	G1002-005P 198.87	1	18	626
0-160 psi	G1602-002P 198.87	G1602-005P 198.87	1	18	626
0-200 psi	G2002-002P 198.87	G2002-005P 198.87	1	18	626
0-300 psi	G3002-002P 198.87	G3002-005P 198.87	1	18	626

Polypropylene Product
Needle Valves & Industrial Swing Check Valves



Needle Valves



Pressure Rating @ 73°F (23°C), Water
 150 psi

Maximum Service Temperature
 PP = 180°F (82°C)
 Solid PTFE Stem Seals

No Elastomer or Lubricants used

Valves include Panel Mounting Nut

PP Needle Valve

Size	Threaded	SR Threaded	Std Pk	Mstr Pk	Prod Code
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Globe Pattern

1/4	5591-002P 91.60	---	1	18	219
3/8	5591-003P 91.60	---	1	18	219
1/2	---	5591-005PSR 101.29	1	18	219

Angle Pattern

1/4	5691-002P 91.60	---	1	18	219
3/8	5691-003P 91.60	---	1	18	219
1/2	---	5691-005PSR 101.29	1	18	219

Industrial Swing Check Valves



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

Pressure Rating @ 73°F (23°C), Water

3/4" - 4"	150 psi
6"	100 psi
8"	70 psi

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

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free Lubricants



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

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.

Industrial Swing Check Valves

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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PP



Industrial Swing Check Valves & Polypropylene Butterfly Valves

Industrial Swing Check Valves

Industrial Swing Check Valves (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423-007P 657.00	4433-007P 729.97	1	12	113
1	4423-010P 785.97	4433-010P 856.61	1	4	113
1-1/4	4423-012P 942.01	4433-012P 1046.58	1	0	113
1-1/2	4423-015P 1169.59	4433-015P 1272.67	1	0	113
2	4423-020P 1250.51	4433-020P 1405.05	1	0	113
2-1/2	4423-025P 2082.08	4433-025P 2316.00	1	0	112
3	4423-030P 2188.93	4433-030P 2617.47	1	0	112
4	4423-040P 2977.42	4433-040P 3304.91	1	0	112
6	4423-060P 5640.08	4433-060P 6271.72	1	0	112
8	4423-080P 10795.96	4433-080P 11863.74	1	0	112

Industrial Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	44231-007P 666.38	44331-007P 739.37	1	12	113
1	44231-010P 799.12	44331-010P 922.37	1	4	113
1-1/4	44231-012P 1026.55	44331-012P 1139.52	1	0	113
1-1/2	44231-015P 1319.63	44331-015P 1139.52	1	0	113
2	44231-020P 1285.02	44331-020P 1457.19	1	0	113
2-1/2	44231-025P 2094.19	44331-025P 2346.91	1	0	112
3	44231-030P 2609.98	44331-030P 2724.16	1	0	112
4	44231-040P 2989.53	44331-040P 3317.07	1	0	112
6	44231-060P 5761.82	44331-060P 6324.58	1	0	112
8	44231-080P 10876.37	44331-080P 11983.64	1	0	112

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P 840.96	4433CB-007P 934.37	1	12	113
1	4423CB-010P 1006.02	4433CB-010P 1096.44	1	4	113
1-1/4	4423CB-012P 1026.55	4433CB-012P 1579.65	1	0	113

Industrial Swing Check Valve With Counter Balance (continued)

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
1-1/2	4423CB-015P 1451.02	4433CB-015P 1948.38	1	0	113
2	4423CB-020P 1563.14	4433CB-020P 1756.31	1	0	113
2-1/2	4423CB-025P 2413.23	4433CB-025P 2964.47	1	0	112
3	4423CB-030P 2936.20	4433CB-030P 3673.63	1	0	112
4	4423CB-040P 3362.38	4433CB-040P 3693.83	1	0	112
6	4423CB-060P 6255.79	4433CB-060P 8027.78	1	0	112
8	4423CB-080P 11420.52	4433CB-080P 12488.34	1	0	112

Polypropylene Butterfly Valves



Lever Handle Style

Pressure Rating @ 73°F (23°C), Water
1-1/2" - 12" 150 psi

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

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for
Additional Options and Features

PP Butterfly Valve w/Lever Handle

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	721311-015P 588.35	722311-015P 588.35	723311-015P 1222.24	1	0	256
2	721311-020P 594.29	722311-020P 594.29	723311-020P 1247.19	1	0	256
2-1/2	721311-025P 621.12	722311-025P 621.12	723311-025P 1268.46	1	0	256
3	721311-030P 634.25	722311-030P 634.25	723311-030P 1293.29	1	0	256



Polypropylene Butterfly Valves

PP Butterfly Valve w/Lever Handle (continued)

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
4	721311-040P 707.29	722311-040P 707.29	723311-040P 1614.87	1	0	256
6	721311-060P 1105.18	722311-060P 1105.18	723311-060P 2553.47	1	0	256
8	721311-080P 1879.48	722311-080P 1879.48	723311-080P 4335.75	1	0	256

PP Butterfly Valve w/Gear Operator

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	721321-020P 1691.67	722321-020P 1691.67	723321-020P 2150.41	1	0	256
2-1/2	721321-025P 1714.19	722321-025P 1714.19	723321-025P 2263.33	1	0	256
3	721321-030P 1747.22	722321-030P 1747.22	723321-030P 2377.89	1	0	256
4	721321-040P 1861.59	722321-040P 1861.59	723321-040P 2704.78	1	0	256
6	721321-060P 2174.60	722321-060P 2174.60	723321-060P 3660.28	1	0	256
8	721321-080P 2971.71	722321-080P 2971.71	723321-080P 5465.03	1	0	256
10	721321-100P 3995.82	722321-100P 3995.82	723321-100P 8891.35	1	0	256
12	721321-120P 5533.39	722321-120P 5533.39	723321-120P 8000.80	1	0	256

PP Butterfly Valve - Valve Only

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	721301-015P 543.75	722301-015P 543.75	723301-015P 1078.59	1	0	256
2	721301-020P 554.82	722301-020P 554.82	723301-020P 1098.19	1	0	256
2-1/2	721301-025P 576.14	722301-025P 576.14	723301-025P 1138.74	1	0	256
3	721301-030P 594.05	722301-030P 594.05	723301-030P 1168.56	1	0	256
4	721301-040P 679.60	722301-040P 679.60	723301-040P 1449.49	1	0	256
6	721301-060P 1039.27	722301-060P 1039.27	723301-060P 2344.46	1	0	256
8	721301-080P 1785.93	722301-080P 1785.93	723301-080P 3970.88	1	0	256
10	721301-100P 3567.15	722301-100P 3567.15	723301-100P 7957.39	1	0	256
12	721301-120P 4615.69	722301-120P 4615.69	723301-120P 6743.61	1	0	256

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



Large Diameter Polypropylene Butterfly Valve - Gear Operator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
14	722321-140P 15273.81	723321-140P 13744.24	1	0	257
16	722321-160P 16517.97	723321-160P 17484.15	1	0	257
18	722321-180P 28700.79	723321-180P 20163.04	1	0	257
20	722321-200P 30972.85	723321-200P 28420.72	1	0	257
24	722321-240P 37793.75	723321-240P 45232.14	1	0	257



Polypropylene Product Diaphragm Valves



PP Thread Style

Maximum Service Temperature
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

Pressure Rating @ 73°F (23°C), Water

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

Contact Spears® for MSRP on Additional Specialty Diaphragms

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

PP Diaphragm Valve - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

Size	EPDM Seals & Diaphragm	FKM Seals & Diaphragm	EPDM Seals & EPDM Backed PTFE Diaphragm	FKM Seals & EPDM Backed PTFE Diaphragm	FKM Seals & FKM Backed PTFE Diaphragm	Std Pk	Mstr Pk	Prod Code
1/2	2721-005PSR 165.53	2731-005PSR 184.15	2721T-005PSR 264.61	2731T-005PSR 299.60	2731VT-005PSR 315.02	1	12	280
3/4	2721-007PSR 188.52	2731-007PSR 209.15	2721T-007PSR 277.04	2731T-007PSR 315.00	2731VT-007PSR 345.09	1	8	280
1	2721-010PSR 233.20	2731-010PSR 256.93	2721T-010PSR 403.85	2731T-010PSR 424.86	2731VT-010PSR 448.28	1	8	280
1-1/4	2721-012PSR 354.16	2731-012PSR 409.27	2721T-012PSR 552.94	2731T-012PSR 579.73	2731VT-012PSR 643.35	1	4	280
1-1/2	2721-015PSR 370.46	2731-015PSR 418.89	2721T-015PSR 589.67	2731T-015PSR 618.29	2731VT-015PSR 665.92	1	4	280
2	2721-020PSR 430.86	2731-020PSR 511.69	2721T-020PSR 672.77	2731T-020PSR 705.88	2731VT-020PSR 767.17	1	0	280

PP Diaphragm Valve - Flanged Ends

Size	EPDM Diaphragm	FKM Diaphragm	EPDM Backed PTFE Diaphragm	FKM Backed PTFE Diaphragm	Std Pk	Mstr Pk	Prod Code
2-1/2	2723-025P 793.76	2733-025P 877.17	2793T-025P 1248.88	2793VT-025P 1394.73	1	0	281
3	2723-030P 1134.97	2733-030P 1253.99	2793T-030P 1727.14	2793VT-030P 1925.89	1	0	281
4	2723-040P 1633.09	2733-040P 1797.97	2793T-040P 2302.31	2793VT-040P 2553.61	1	0	281
6	2723-060P 4041.65	2733-060P 4490.72	2793T-060P 5770.32	2793VT-060P 6522.34	1	0	281
8	2723-080P 7803.33	2733-080P 9058.48	2793T-080P 10474.83	2793VT-080P 17650.98	1	0	281