



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
No Gauge	G0004-002P 127.91	G0004-005P 127.91	1	18	626
0-30 in-Hg	G30V4-002P 196.49	G30V4-005P 196.49	1	18	626
0-15 psi	G0154-002P 186.88	G0154-005P 186.88	1	18	626
0-30 psi	G0304-002P 186.88	G0304-005P 186.88	1	18	626
0-60 psi	G0604-002P 186.88	G0604-005P 186.88	1	18	626
0-100 psi	G1004-002P 186.88	G1004-005P 186.88	1	18	626
0-160 psi	G1604-002P 186.88	G1604-005P 186.88	1	18	626
0-200 psi	G2004-002P 186.88	G2004-005P 186.88	1	18	626
0-300 psi	G3004-002P 186.88	G3004-005P 186.88	1	18	626

PTFE Diaphragm

GAUGE GUARDS, PP

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
FKM Diaphragm					
No Gauge	G0003-002P 127.91	G0003-005P 127.91	1	18	626
0-30 in-Hg	G30V3-002P 196.49	G30V3-005P 196.49	1	18	626
0-15 psi	G0153-002P 186.88	G0153-005P 186.88	1	18	626
0-30 psi	G0303-002P 186.88	G0303-005P 186.88	1	18	626
0-60 psi	G0603-002P 186.88	G0603-005P 186.88	1	18	626
0-100 psi	G1003-002P 186.88	G1003-005P 186.88	1	18	626
0-160 psi	G1603-002P 186.88	G1603-005P 186.88	1	18	626
0-200 psi	G2003-002P 186.88	G2003-005P 186.88	1	18	626
0-300 psi	G3003-002P 186.88	G3003-005P 186.88	1	18	626

EPDM Diaphragm

No Gauge	G0002-002P 122.85	G0002-005P 122.85	1	18	626
0-30 in-Hg	G30V2-002P 188.61	G30V2-005P 188.61	1	18	626
0-15 psi	G0152-002P 179.48	G0152-005P 179.48	1	18	626
0-30 psi	G0302-002P 179.48	G0302-005P 179.48	1	18	626
0-60 psi	G0602-002P 179.48	G0602-005P 179.48	1	18	626
0-100 psi	G1002-002P 179.48	G1002-005P 179.48	1	18	626
0-160 psi	G1602-002P 179.48	G1602-005P 179.48	1	18	626
0-200 psi	G2002-002P 179.48	G2002-005P 179.48	1	18	626
0-300 psi	G3002-002P 179.48	G3002-005P 179.48	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

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.

PP Needle Valve

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

1/4	5591-002P 82.67	---	1	18	219
3/8	5591-003P 82.67	---	1	18	219
1/2	---	5591-005PSR 91.42	1	18	219

Angle Pattern

1/4	5691-002P 82.67	---	1	18	219
3/8	5691-003P 82.67	---	1	18	219
1/2	---	5691-005PSR 91.42	1	18	219

Industrial Swing Check Valves

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
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PP



Polypropylene Product
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 592.94	4433-007P 658.80	1	12	113
1	4423-010P 709.34	4433-010P 773.09	1	4	113
1-1/4	4423-012P 850.16	4433-012P 944.54	1	0	113
1-1/2	4423-015P 1055.55	4433-015P 1148.59	1	0	113
2	4423-020P 1128.58	4433-020P 1268.06	1	0	113
2-1/2	4423-025P 1879.08	4433-025P 2090.19	1	0	112
3	4423-030P 1975.51	4433-030P 2362.27	1	0	112
4	4423-040P 2687.12	4433-040P 2982.68	1	0	112
6	4423-060P 5090.18	4433-060P 5660.22	1	0	112
8	4423-080P 9743.35	4433-080P 10707.02	1	0	112

Industrial Swing Check Valve With Arrow Indicator

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423I-007P 601.41	4433I-007P 667.28	1	12	113
1	4423I-010P 721.20	4433I-010P 832.44	1	4	113
1-1/4	4423I-012P 926.46	4433I-012P 1028.41	1	0	113
1-1/2	4423I-015P 1190.97	4433I-015P 1028.41	1	0	113
2	4423I-020P 1159.73	4433I-020P 1315.11	1	0	113
2-1/2	4423I-025P 1890.01	4433I-025P 2118.08	1	0	112
3	4423I-030P 2355.51	4433I-030P 2458.55	1	0	112
4	4423I-040P 2698.05	4433I-040P 2993.66	1	0	112
6	4423I-060P 5200.04	4433I-060P 5707.93	1	0	112
8	4423I-080P 9815.92	4433I-080P 10815.24	1	0	112

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P 758.96	4433CB-007P 843.27	1	12	113
1	4423CB-010P 907.93	4433CB-010P 989.54	1	4	113
1-1/4	4423CB-012P 926.46	4433CB-012P 1425.64	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 1309.55	4433CB-015P 1758.41	1	0	113
2	4423CB-020P 1410.73	4433CB-020P 1585.07	1	0	113
2-1/2	4423CB-025P 2177.94	4433CB-025P 2675.44	1	0	112
3	4423CB-030P 2649.92	4433CB-030P 3315.45	1	0	112
4	4423CB-040P 3034.55	4433CB-040P 3333.68	1	0	112
6	4423CB-060P 5645.85	4433CB-060P 7245.07	1	0	112
8	4423CB-080P 10307.02	4433CB-080P 11270.72	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 530.98	722311-015P 530.98	723311-015P 1103.07	1	0	256
2	721311-020P 536.35	722311-020P 536.35	723311-020P 1125.59	1	0	256
2-1/2	721311-025P 560.56	722311-025P 560.56	723311-025P 1144.79	1	0	256
3	721311-030P 572.41	722311-030P 572.41	723311-030P 1167.20	1	0	256

Polypropylene Product
Polypropylene Butterfly Valves & Large Diameter Butterfly Valves



Polypropylene Butterfly Valves

PP Butterfly Valve w/Lever Handle (continued)

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
4	721311-040P 638.33	722311-040P 638.33	723311-040P 1457.42	1	0	256
6	721311-060P 997.42	722311-060P 997.42	723311-060P 2304.51	1	0	256
8	721311-080P 1696.23	722311-080P 1696.23	723311-080P 3913.01	1	0	256

PP Butterfly Valve w/Gear Operator

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	721321-020P 1526.74	722321-020P 1526.74	723321-020P 1940.75	1	0	256
2-1/2	721321-025P 1547.06	722321-025P 1547.06	723321-025P 2042.65	1	0	256
3	721321-030P 1576.87	722321-030P 1576.87	723321-030P 2146.05	1	0	256
4	721321-040P 1680.08	722321-040P 1680.08	723321-040P 2441.06	1	0	256
6	721321-060P 1962.58	722321-060P 1962.58	723321-060P 3303.41	1	0	256
8	721321-080P 2681.96	722321-080P 2681.96	723321-080P 4932.19	1	0	256
10	721321-100P 3606.23	722321-100P 3606.23	723321-100P 8024.44	1	0	256
12	721321-120P 4993.88	722321-120P 4993.88	723321-120P 11727.63	1	0	256

PP Butterfly Valve - Valve Only

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	721301-015P 490.73	722301-015P 490.73	723301-015P 973.43	1	0	256
2	721301-020P 500.73	722301-020P 500.73	723301-020P 991.12	1	0	256
2-1/2	721301-025P 519.96	722301-025P 519.96	723301-025P 1027.71	1	0	256
3	721301-030P 536.13	722301-030P 536.13	723301-030P 1054.62	1	0	256
4	721301-040P 613.34	722301-040P 613.34	723301-040P 1308.17	1	0	256
6	721301-060P 937.94	722301-060P 937.94	723301-060P 2115.88	1	0	256
8	721301-080P 1611.80	722301-080P 1611.80	723301-080P 3583.72	1	0	256
10	721301-100P 3219.35	722301-100P 3219.35	723301-100P 7181.54	1	0	256
12	721301-120P 4165.66	722301-120P 4165.66	723301-120P 10257.82	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 13784.61	723321-140P 16324.56	1	0	257
16	722321-160P 18040.70	723321-160P 28371.72	1	0	257
18	722321-180P 25902.46	723321-180P 33058.02	1	0	257
20	722321-200P 27953.00	723321-200P 39349.06	1	0	257
24	722321-240P 34108.86	723321-240P 40822.00	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 149.39	2731-005PSR 166.19	2721T-005PSR 238.81	2731T-005PSR 251.39	2731VT-005PSR 284.31	1	12	280
3/4	2721-007PSR 170.14	2731-007PSR 188.76	2721T-007PSR 250.03	2731T-007PSR 265.29	2731VT-007PSR 311.45	1	8	280
1	2721-010PSR 210.46	2731-010PSR 231.88	2721T-010PSR 364.48	2731T-010PSR 383.44	2731VT-010PSR 404.58	1	8	280
1-1/4	2721-012PSR 319.63	2731-012PSR 355.93	2721T-012PSR 499.03	2731T-012PSR 523.20	2731VT-012PSR 580.62	1	4	280
1-1/2	2721-015PSR 334.34	2731-015PSR 371.15	2721T-015PSR 532.18	2731T-015PSR 558.01	2731VT-015PSR 600.99	1	4	280
2	2721-020PSR 388.85	2731-020PSR 432.14	2721T-020PSR 607.17	2731T-020PSR 637.06	2731VT-020PSR 692.37	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 716.37	2733-025P 791.64	2793T-025P 1127.12	2793VT-025P 1258.74	1	0	281
3	2723-030P 1024.31	2733-030P 1131.73	2793T-030P 1558.74	2793VT-030P 1738.12	1	0	281
4	2723-040P 1473.87	2733-040P 1622.67	2793T-040P 2077.83	2793VT-040P 2304.63	1	0	281
6	2723-060P 3647.59	2733-060P 4052.87	2793T-060P 5207.71	2793VT-060P 5886.41	1	0	281
8	2723-080P 7042.50	2733-080P 8175.28	2793T-080P 9453.54	2793VT-080P 15930.01	1	0	281