



Polypropylene Product
Gauge Guards & Needle Valves

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

FKM Diaphragm

No Gauge	G0003-002P	G0003-005P	1	18	626
0-30 in-Hg	G30V3-002P	G30V3-005P	1	18	626
0-15 psi	G0153-002P	G0153-005P	1	18	626
0-30 psi	G0303-002P	G0303-005P	1	18	626
0-60 psi	G0603-002P	G0603-005P	1	18	626
0-100 psi	G1003-002P	G1003-005P	1	18	626
0-160 psi	G1603-002P	G1603-005P	1	18	626

GAUGE GUARDS, PP (continued)

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
FKM Diaphragm					
0-200 psi	G2003-002P	G2003-005P	1	18	626
0-300 psi	G3003-002P	G3003-005P	1	18	626
EPDM Diaphragm					
No Gauge	G0002-002P	G0002-005P	1	18	626
0-30 in-Hg	G30V2-002P	G30V2-005P	1	18	626
0-15 psi	G0152-002P	G0152-005P	1	18	626
0-30 psi	G0302-002P	G0302-005P	1	18	626
0-60 psi	G0602-002P	G0602-005P	1	18	626
0-100 psi	G1002-002P	G1002-005P	1	18	626
0-160 psi	G1602-002P	G1602-005P	1	18	626
0-200 psi	G2002-002P	G2002-005P	1	18	626
0-300 psi	G3002-002P	G3002-005P	1	18	626

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
Globe Pattern					
1/4	5591-002P		1	18	219
3/8	5591-003P		1	18	219
1/2		5591-005PSR	1	18	219
Angle Pattern					
1/4	5691-002P		1	18	219
3/8	5691-003P		1	18	219
1/2		5691-005PSR	1	18	219

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

JJ DOWNS INDUSTRIAL PLASTICS INC.

416.236.1884
Toronto, ON
JJDOWNS.COM



Polypropylene Product
Industrial Swing Check Valves

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
PP					
3/4	4423-007P	4433-007P	1	12	113
1	4423-010P	4433-010P	1	4	113
1-1/4	4423-012P	4433-012P	1	0	113
1-1/2	4423-015P	4433-015P	1	0	113
2	4423-020P	4433-020P	1	0	113
2-1/2	4423-025P	4433-025P	1	0	112
3	4423-030P	4433-030P	1	0	112
4	4423-040P	4433-040P	1	0	112
6	4423-060P	4433-060P	1	0	112
8	4423-080P	4433-080P	1	0	112

Industrial Swing Check Valve With Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
PP				
44231-007P	3/4	1	12	113
44231-010P	1	1	4	113
44231-012P	1-1/4	1	0	113
44231-015P	1-1/2	1	0	113
44231-020P	2	1	0	113
44231-025P	2-1/2	1	0	112
44231-030P	3	1	0	112
44231-040P	4	1	0	112
44231-060P	6	1	0	112
44231-080P	8	1	0	112

PP Industrial Swing Check Valve with Arrow Indicator

Part Number	Size	Std Pk	Mstr Ctn	Prod Code
FKM				
44331-007P	3/4	1	12	113
44331-010P	1	1	4	113
44331-012P	1-1/4	1	0	113
44331-015P	1-1/2	1	0	113
44331-020P	2	1	0	113
44331-025P	2-1/2	1	0	112
44331-030P	3	1	0	112
44331-040P	4	1	0	112
44331-060P	6	1	0	112
44331-080P	8	1	0	112

Industrial Swing Check Valve With Counter Balance

Size	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
PP					
3/4	4423CB-007P	4433CB-007P	1	12	113
1	4423CB-010P	4433CB-010P	1	4	113
1-1/4	4423CB-012P	4433CB-012P	1	0	113
1-1/2	4423CB-015P	4433CB-015P	1	0	113
2	4423CB-020P	4433CB-020P	1	0	113
2-1/2	4423CB-025P	4433CB-025P	1	0	112
3	4423CB-030P	4433CB-030P	1	0	112
4	4423CB-040P	4433CB-040P	1	0	112
6	4423CB-060P	4433CB-060P	1	0	112
8	4423CB-080P	4433CB-080P	1	0	112

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Polypropylene Product
**Polypropylene Butterfly Valves &
 Large Diameter Butterfly Valves**

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	722311-015P	723311-015P	1	0	256
2	721311-020P	722311-020P	723311-020P	1	0	256
2-1/2	721311-025P	722311-025P	723311-025P	1	0	256
3	721311-030P	722311-030P	723311-030P	1	0	256
4	721311-040P	722311-040P	723311-040P	1	0	256
6	721311-060P	722311-060P	723311-060P	1	0	256
8	721311-080P	722311-080P	723311-080P	1	0	256

PP Butterfly Valve w/Gear Operator

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
2	721321-020P	722321-020P	723321-020P	1	0	256
2-1/2	721321-025P	722321-025P	723321-025P	1	0	256
3	721321-030P	722321-030P	723321-030P	1	0	256
4	721321-040P	722321-040P	723321-040P	1	0	256
6	721321-060P	722321-060P	723321-060P	1	0	256
8	721321-080P	722321-080P	723321-080P	1	0	256
10	721321-100P	722321-100P	723321-100P	1	0	256
12	721321-120P	722321-120P	723321-120P	1	0	256

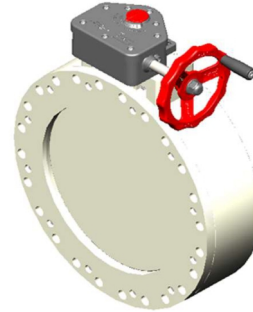
PP Butterfly Valve - Valve Only

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
1-1/2	721301-015P	722301-015P	723301-015P	1	0	256
2	721301-020P	722301-020P	723301-020P	1	0	256
2-1/2	721301-025P	722301-025P	723301-025P	1	0	256
3	721301-030P	722301-030P	723301-030P	1	0	256

PP Butterfly Valve - Valve Only (continued)

Size	Buna-N	EPDM	FKM	Std Pk	Mstr Pk	Prod Code
4	721301-040P	722301-040P	723301-040P	1	0	256
6	721301-060P	722301-060P	723301-060P	1	0	256
8	721301-080P	722301-080P	723301-080P	1	0	256
10	721301-100P	722301-100P	723301-100P	1	0	256
12	721301-120P	722301-120P	723301-120P	1	0	256

Large Diameter Butterfly Valves

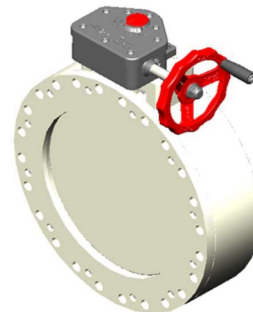


Maximum Service Temperature
 PP = 180°F (82°C)

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	723321-140P	1	0	257
18	722321-180P	723321-180P	1	0	257
20	722321-200P	723321-200P	1	0	257
24	722321-240P	723321-240P	1	0	257

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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	2731-005PSR	2721T-005PSR	2731T-005PSR	2731VT-005PSR	1	12	280
3/4	2721-007PSR	2731-007PSR	2721T-007PSR	2731T-007PSR	2731VT-007PSR	1	8	280
1	2721-010PSR	2731-010PSR	2721T-010PSR	2731T-010PSR	2731VT-010PSR	1	8	280
1-1/4	2721-012PSR	2731-012PSR	2721T-012PSR	2731T-012PSR	2731VT-012PSR	1	4	280
1-1/2	2721-015PSR	2731-015PSR	2721T-015PSR	2731T-015PSR	2731VT-015PSR	1	4	280
2	2721-020PSR	2731-020PSR	2721T-020PSR	2731T-020PSR	2731VT-020PSR	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	2733-025P	2793T-025P	2793VT-025P	1	0	281
3	2723-030P	2733-030P	2793T-030P	2793VT-030P	1	0	281
4	2723-040P	2733-040P	2793T-040P	2793VT-040P	1	0	281
6	2723-060P	2733-060P	2793T-060P	2793VT-060P	1	0	281
8	2723-080P	2733-080P	2793T-080P	2793VT-080P	1	0	281

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