



Lab Specialty Product  
**Needle Valves & Gauge Guards**

**Needle Valves**

**CPVC Needle Valve**

Size	Threaded	Socket	SR Threaded	Std Pk	Mstr Pk	Prod Code
<b>Angle Pattern</b>						
1/4	5691-002C 93.01	5692-002C 93.01	---	1	18	219
3/8	5691-003C 93.01	5692-003C 93.01	---	1	18	219
1/2	5691-005C 98.36	5692-005C 98.36	5691-005CSR 100.87	1	18	219

**PP Needle Valve**

Size	Threaded	SR Threaded	Std Pk	Mstr Pk	Prod Code
<b>Globe Pattern</b>					
1/4	5591-002P 87.02	---	1	18	219
3/8	5591-003P 87.02	---	1	18	219
1/2	---	5591-005PSR 96.23	1	18	219

**Angle Pattern**

1/4	5691-002P 87.02	---	1	18	219
3/8	5691-003P 87.02	---	1	18	219
1/2	---	5691-005PSR 96.23	1	18	219

**Gauge Guards**



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

Pressure Rating	Maximum Service Temperature
235 psi @ 73°F	PVC = 140°F (60°C)
16 BAR @ 22°C	CPVC = 200°F (93°C)
	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.

**PVC GAUGE GUARDS**

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
<b>PTFE Diaphragm</b>					
No Gauge	G0004-002 115.04	G0004-005 115.04	1	18	624
0-30 in-Hg	G30V4-002 194.22	G30V4-005 194.22	1	18	624
0-15 psi	G0154-002 183.59	G0154-005 183.59	1	18	624
0-30 psi	G0304-002 183.59	G0304-005 183.59	1	18	624
0-60 psi	G0604-002 183.59	G0604-005 183.59	1	18	624
0-100 psi	G1004-002 183.59	G1004-005 183.59	1	18	624
0-160 psi	G1604-002 183.59	G1604-005 183.59	1	18	624
0-200 psi	G2004-002 183.59	G2004-005 183.59	1	18	624
0-300 psi	G3004-002 183.59	G3004-005 183.59	1	18	624

**FKM Diaphragm**

No Gauge	G0003-002 115.04	G0003-005 115.04	1	18	624
0-30 in-Hg	G30V3-002 194.22	G30V3-005 194.22	1	18	624
0-15 psi	G0153-002 183.59	G0153-005 183.59	1	18	624
0-30 psi	G0303-002 183.59	G0303-005 183.59	1	18	624
0-60 psi	G0603-002 183.59	G0603-005 183.59	1	18	624

Lab Specialty Product  
**Gauge Guards**



**Gauge Guards**

**PVC GAUGE GUARDS (continued)**

Size	1/4" Inlet Connection	1/2" Inlet Connection	Std Pk	Mstr Pk	Prod Code
<b>FKM Diaphragm</b>					
0-100 psi	G1003-002 183.59	G1003-005 183.59	1	18	624
0-160 psi	G1603-002 183.59	G1603-005 183.59	1	18	624
0-200 psi	G2003-002 183.59	G2003-005 183.59	1	18	624
0-300 psi	G3003-002 183.59	G3003-005 183.59	1	18	624

**EPDM Diaphragm**

No Gauge	G0002-002 110.39	G0002-005 110.39	1	18	624
0-30 in-Hg	G30V2-002 186.41	G30V2-005 186.41	1	18	624
0-15 psi	G0152-002 176.31	G0152-005 176.31	1	18	624
0-30 psi	G0302-002 176.31	G0302-005 176.31	1	18	624
0-60 psi	G0602-002 176.31	G0602-005 176.31	1	18	624
0-100 psi	G1002-002 176.31	G1002-005 176.31	1	18	624
0-160 psi	G1602-002 176.31	G1602-005 176.31	1	18	624
0-200 psi	G2002-002 176.31	G2002-005 176.31	1	18	624
0-300 psi	G3002-002 176.31	G3002-005 176.31	1	18	624

**GAUGE GUARDS, CPVC**

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

No Gauge	G0004-002C 149.56	G0004-005C 149.56	1	18	625
0-30 in-Hg	G30V4-002C 252.49	G30V4-005C 252.49	1	18	625
0-15 psi	G0154-002C 238.71	G0154-005C 238.71	1	18	625
0-30 psi	G0304-002C 238.71	G0304-005C 238.71	1	18	625
0-60 psi	G0604-002C 238.71	G0604-005C 238.71	1	18	625
0-100 psi	G1004-002C 238.71	G1004-005C 238.71	1	18	625
0-160 psi	G1604-002C 238.71	G1604-005C 238.71	1	18	625
0-200 psi	G2004-002C 238.71	G2004-005C 238.71	1	18	625
0-300 psi	G3004-002C 238.71	G3004-005C 238.71	1	18	625

**FKM Diaphragm**

No Gauge	G0003-002C 149.56	G0003-005C 149.56	1	18	625
0-30 in-Hg	G30V3-002C 252.49	G30V3-005C 252.49	1	18	625

**GAUGE GUARDS, CPVC (continued)**

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

0-15 psi	G0153-002C 238.71	G0153-005C 238.71	1	18	625
0-30 psi	G0303-002C 238.71	G0303-005C 238.71	1	18	625
0-60 psi	G0603-002C 238.71	G0603-005C 238.71	1	18	625
0-100 psi	G1003-002C 238.71	G1003-005C 238.71	1	18	625
0-160 psi	G1603-002C 238.71	G1603-005C 238.71	1	18	625
0-200 psi	G2003-002C 238.71	G2003-005C 238.71	1	18	625
0-300 psi	G3003-002C 238.71	G3003-005C 238.71	1	18	625

**EPDM Diaphragm**

No Gauge	G0002-002C 143.60	G0002-005C 143.60	1	18	625
0-30 in-Hg	G30V2-002C 242.37	G30V2-005C 242.37	1	18	625
0-15 psi	G0152-002C 229.26	G0152-005C 229.26	1	18	625
0-30 psi	G0302-002C 229.26	G0302-005C 229.26	1	18	625
0-60 psi	G0602-002C 229.26	G0602-005C 229.26	1	18	625
0-100 psi	G1002-002C 229.26	G1002-005C 229.26	1	18	625
0-160 psi	G1602-002C 229.26	G1602-005C 229.26	1	18	625
0-200 psi	G2002-002C 229.26	G2002-005C 229.26	1	18	625
0-300 psi	G3002-002C 229.26	G3002-005C 229.26	1	18	625

**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 134.64	G0004-005P 134.64	1	18	626
0-30 in-Hg	G30V4-002P 206.83	G30V4-005P 206.83	1	18	626
0-15 psi	G0154-002P 196.72	G0154-005P 196.72	1	18	626
0-30 psi	G0304-002P 196.72	G0304-005P 196.72	1	18	626
0-60 psi	G0604-002P 196.72	G0604-005P 196.72	1	18	626
0-100 psi	G1004-002P 196.72	G1004-005P 196.72	1	18	626
0-160 psi	G1604-002P 196.72	G1604-005P 196.72	1	18	626
0-200 psi	G2004-002P 196.72	G2004-005P 196.72	1	18	626
0-300 psi	G3004-002P 196.72	G3004-005P 196.72	1	18	626



Lab Specialty Product  
**Gauge Guards & Lab Fixtures**

**Gauge Guards**

**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 134.64	G0003-005P 134.64	1	18	626
0-30 in-Hg	G30V3-002P 206.83	G30V3-005P 206.83	1	18	626
0-15 psi	G0153-002P 196.72	G0153-005P 196.72	1	18	626
0-30 psi	G0303-002P 196.72	G0303-005P 196.72	1	18	626
0-60 psi	G0603-002P 196.72	G0603-005P 196.72	1	18	626
0-100 psi	G1003-002P 196.72	G1003-005P 196.72	1	18	626
0-160 psi	G1603-002P 196.72	G1603-005P 196.72	1	18	626
0-200 psi	G2003-002P 196.72	G2003-005P 196.72	1	18	626
0-300 psi	G3003-002P 196.72	G3003-005P 196.72	1	18	626

**EPDM Diaphragm**

No Gauge	G0002-002P 129.32	G0002-005P 129.32	1	18	626
0-30 in-Hg	G30V2-002P 198.54	G30V2-005P 198.54	1	18	626
0-15 psi	G0152-002P 188.93	G0152-005P 188.93	1	18	626
0-30 psi	G0302-002P 188.93	G0302-005P 188.93	1	18	626
0-60 psi	G0602-002P 188.93	G0602-005P 188.93	1	18	626
0-100 psi	G1002-002P 188.93	G1002-005P 188.93	1	18	626
0-160 psi	G1602-002P 188.93	G1602-005P 188.93	1	18	626
0-200 psi	G2002-002P 188.93	G2002-005P 188.93	1	18	626
0-300 psi	G3002-002P 188.93	G3002-005P 188.93	1	18	626

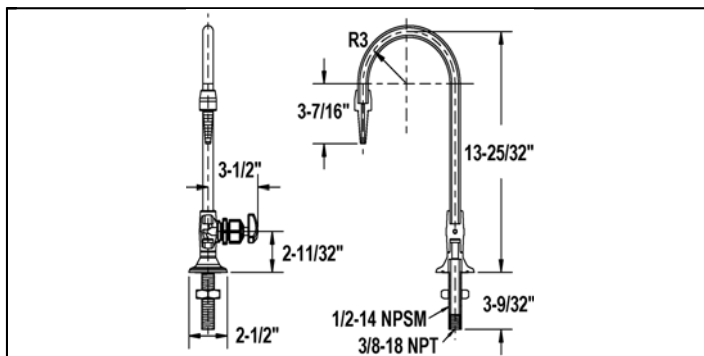
**Lab Fixtures**

**100%% Corrosion Resistance - No Metal Parts**

Spears® Lab Fixtures have no metal parts; this provides full resistance to internal or environmental corrosion. These fixtures are compatible with all laboratory service lines. Lab Fixtures are produced from PVC (gray) and CPVC (for hot water), or special Low-Extractable PVC for high purity applications, and are available in a variety of types and configurations.

- Deck Mount – base configuration for horizontal surface mounting.
- Panel Mount – base configuration for vertical surface mounting.
- Standard Gooseneck Units – select all-plastic needle valve unit (no elastomer seals) for metered flow or ball valve unit (choice of EPDM or FKM seals) for direct flow. Unit includes valve, gooseneck with serrated tip, and base with nut for mounting. Select Deck or Panel Mount style.
- Standard Turret Units – direct flow ball valve (choice of EPDM or FKM seals) with serrated tip and base with connecting nipple and nut for mounting. Select Deck or Panel Mount style.
- Remote Valve Units (No Valve) – same as standard units less valve for use with remotely located valve.
- Recirculating Units – Special design provides continuous water motion without dead-leg areas of contamination and potential bacteria build-up. Internal supply tube fully circulates water through the entire fixture when connected to circulating water supply. Unit features gooseneck with terminally mounted all-plastic needle valve and serrated tip (no elastomer seals) for metered flow. Base is Deck Mount only with inlet and outlet connecting nipples with mounting nuts.

**NPT - American National Standard Tapered Pipe Thread • NPSM - American National Standard Straight Thread For Free Fitting Mechanical Joints**



**Gooseneck Units - Deck Mount Lab Fixture w/Needle Valve**

Part Number	Material	Std Pk	Mstr Ctn	Prod Code	MSRP
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**Base, Gooseneck & Serrated Tip with Needle Valve-Metered Flow**

LF1000-N	PVC, PTFE Seal	1	0	218	209.69
LF1000-CN	CPVC, PTFE Seal	1	0	219	261.81
LF1000-BLN	LE, PTFE Seal	1	0	066	417.03