

BOSHART INDUSTRIES

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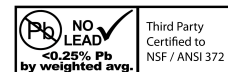
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May 16/14

1-1/2" & 2" DIAL PRESSURE GAUGES - CENTER BACK MOUNT

- General Purpose - not for use with oxygen
- Brass or Lead Free Brass Male NPT Connection
- Steel or ABS Case
- Ambient Operating Temperature: 32 to 104°F (0 to 40°C)
- Accuracy: 3% - 2% - 3% Grade B
- Bourdon Tube
- Acrylic Window
- Maximum Media Temperature: 104°F (40°C)



NO LEAD PART NO.	LIST PRICE-A	NO LEAD PART NO.	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
1-1/2" DIAL - 1/8" CBM		2" DIAL - 1/4" CBM (*1/8" CBM)				
PG15CBM-0-30NL	5.12	PGCBM-1-30NL	5.57	0-30	0.5	100
PG15CBM-0-60NL	5.12	PGCBM-1-60NL	5.57	0-60	1	100
		PGCBM-0-100NL *	5.49	0-100	1	100
PG15CBM-0-100NL	5.12	PGCBM-1-100NL	5.49	0-100	1	100
PG15CBM-0-160NL	5.12	PGCBM-1-160NL	5.57	0-160	2	100
PG15CBM-0-200NL	5.12	PGCBM-1-200NL	5.57	0-200	2	100
		2" PLASTIC ABS CASE				
		PGPCBM-1-60NL	5.45	0-60	1	100



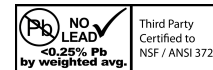
NO LEAD PART NO.	LIST PRICE-A	NO LEAD PART NO.	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
1-1/2" DIAL - 1/8" CBM		2" DIAL - 1/4" CBM				
PG15CBM-0-100	3.70	PGCBM-1-100	4.18	0-100	1	100
PG15CBM-0-160	3.70	PGCBM-1-160	4.18	0-160	2	100
		PGCBM-1-200	4.18	0-200	2	100
		2" PLASTIC ABS CASE				
		PGPCBM-1-60	4.05	0-60	1	100



Not For Conveying
Potable Water

2" DIAL PRESSURE GAUGES - LOWER MOUNT

- General Purpose - not for use with oxygen
- Brass or Lead Free Brass Connection
- Steel or ABS Case
- Ambient Operating Temperature: 32 to 104°F (0 to 40°C)
- Accuracy: 3% - 2% - 3% Grade B
- Bourdon Tube
- Acrylic Window
- Maximum Media Temperature: 104°F (40°C)



NO LEAD PART NO.	LIST PRICE-A	NO LEAD PART NO.	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
STEEL CASE - 1/4" LM (* 1/8" LM)		ABS CASE - 1/4" LM				
PG-15NL	5.38			0-15	0.1	
PG-30NL	5.38	PGP-30NL	4.80	0-30	0.5	
PG-60NL	5.38	PGP-60NL	4.96	0-60	1	
PG-0-100NL *	5.38			0-100	1	
PG-100NL	5.21	PGP-100NL	4.96	0-100	1	100
PG-160NL	5.47			0-160	2	
PG-200NL	5.38	PGP-200NL	5.04	0-200	2	100
PG-300NL	5.47			0-300	5	



NO LEAD PART NO.	LIST PRICE-A	NO LEAD PART NO.	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
STEEL CASE - 1/4" LM		ABS CASE - 1/4" LM (*1/8" LM)				
PG-30	3.83	PGP-30	3.70	0-30	0.5	100
	3.70	PGP-0-60 *	3.70	0-60	1	100
PG-60	3.83	PGP-60	3.70	0-60	1	100
PG-100	3.83			0-100	1	100
PG-160	3.83			0-160	2	100
PG-200	3.83			0-200	2	100
PG-300	3.83			0-300	5	100
VACUUM GAUGE						
PGV-30	4.03			30-0Hg	0.5	100
VACUUM / PRESSURE						
PGC-30-30	4.03			30Hg-0-30	0.5	100
PGC-30-150	4.03			30Hg-0-150	1	100



Not For Conveying
Potable Water

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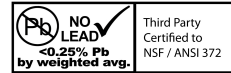
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2" DIAL PRESSURE GAUGES - LIQUID FILLED - LOWER & CENTER BACK MOUNT

- General Purpose - not for use with oxygen
- Accuracy: 3% - 2% - 3% Grade B
- Brass or Lead Free Brass Connection
- Steel Case
- Ambient Operating Temperature: -4 to 104°F (-20 to 40°C)
- Ideal for use where vibration or pressure pulsation occurs
- Bourdon Tube
- Polycarbonate Window
- Glycerine Filled
- Maximum Media Temperature: 140°F (60°C)



NO LEAD PART NO. 1/4" LM	LIST PRICE-A	NO LEAD PART NO. 1/4" CBM (* 1/8" CBM)	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
PG-30-GNL	8.82			0-30	0.5	
PG-60-GNL	8.82			0-60	1	
		PGCBM-0-100-GNL *	8.82	0-100	1	
PG-100-GNL	8.66	PGCBM-1-100-GNL	8.82	0-100	1	100
PG-160-GNL	8.82			0-160	2	
PG-200-GNL	8.82			0-200	2	100



PART NO. 1/4" LM	LIST PRICE-A	PART NO. 1/4" CBM (* 1/8" CBM)	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
		PGCBM-0-100-G *	7.62	0-100	1	
VACUUM / PRESSURE GAUGE						
PGC-30-30-G	8.05			30Hg-0-30	0.5	100

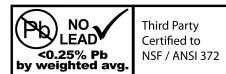


Not For Conveying
Potable Water

2" DIAL STAINLESS STEEL PRESSURE GAUGES - LIQUID FILLED - LOWER & CENTER BACK MOUNT

- General Purpose - not for use with oxygen
- Accuracy: 3% - 2% - 3% Grade B
- Stainless Steel Internals and Connection
- 304 Stainless Steel Case w/ vent plug • Glycerine Filled
- Maximum Media Temperature: 212°F (100°C)
- Ideal for use where vibration or pressure pulsation occurs
- Bourdon Tube
- Polycarbonate Window
- Ambient Operating Temperature: -4 to 140°F (-20 to 40°C)

PART NO. 1/4" LM	LIST PRICE-A	PART NO. 1/4" CBM	LIST PRICE-A	RANGE PSI	INCRE- MENTS	CASE QTY
PGS-100-G	27.42	PGSCBM-100-G	27.42	0-100	1	100



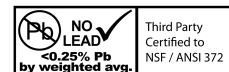
IMPORTANT: Liquid Filled Gauges are sealed with a rubber plug to prevent leaking during shipment. Upon installation the tip of the plug must be cut off to allow the equalization of the internal gauge pressure to the atmospheric pressure. FAILURE TO DO SO WILL ADVERSELY AFFECT THE FUNCTION OF THE GAUGE.

GLYCERINE TEMPERATURE RATINGS

"BII" gauges are filled with 100% (99.7% min.) glycerine, which starts to become viscous at +17°C. As temp. decreases, the more viscous glycerine becomes, causing the pointer to move slower to its correct position, it can take several minutes. At -5°C these gauges no longer operate. For operating temps. less than -5°C, glycerine is mixed: 2 parts glycerine with 1 part water (66.7%), which actually lowers the freezing point of the solution allowing the gauge to be used in temps. as low as -46°C.

2-1/2" DIAL PRESSURE GAUGES - LOWER MOUNT

- General Purpose - not for use with oxygen
- Brass or Lead Free Brass Connection
- Steel Case
- Ambient Operating Temperature: 32 to 104°F (0 to 40°C)
- Accuracy: 3% - 2% - 3% Grade B
- Bourdon Tube
- Acrylic Window
- Maximum Media Temperature: 104°F (40°C)



NO LEAD PART NO. 1/4" LM	RANGE PSI	INCRE- MENTS	CASE QTY	LIST PRICE-A
PG25-15NL	0-15	0.2	50	6.47
PG25-30NL	0-30	0.5	50	6.06
PG25-60NL	0-60	1	50	6.06
PG25-100NL	0-100	1	50	6.06
PG25-160NL	0-160	2	50	6.06
PG25-200NL	0-200	2	50	6.06
PG25-300NL	0-300	5	50	6.06
PG25-400NL	0-400	5	50	6.06
PG25-600NL	0-600	10	50	6.06



PG25-100	0-100	1	50	4.56
PG25-160	0-160	2	50	4.56
PG25-200	0-200	2	50	4.56



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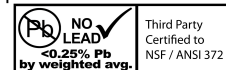
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May 16/14

2-1/2" DIAL PRESSURE GAUGES - LIQUID FILLED - LOWER & CENTER BACK MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1.5% Full Scale Value
- Brass or Lead Free Brass Connection
- 304 Stainless Steel Case w/ vent plug
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Gauges 15 to 600 PSI are tapped for a Restrictor Screw (not included) 1000 PSI or more are tapped and include Restrictor Screw
- Ideal for use where vibration or pressure pulsation occurs
- Bourdon Tube
- Polycarbonate Window
- Glycerine Filled
- Maximum Media Temperature: 140°F (60°C)



NO LEAD PART NO.	LIST PRICE-A	NO LEAD PART NO.	LIST PRICE-A	DUAL RANGE PSI	DUAL RANGE kPa	INCRE- MENTS	CASE QTY
1/4" LM		1/4" CBM					
PG25-15-GNL	14.68	PG25CBM-15-GNL	15.29	0-15	0-100	0.2	50
PG25-30-GNL	14.88	PG25CBM-30-GNL	14.88	0-30	0-200	0.5	50
PG25-60-GNL	14.88	PG25CBM-60-GNL	14.88	0-60	0-400	1	50
PG25-100-GNL	13.66	PG25CBM-100-GNL	14.88	0-100	0-700	1	50
PG25-160-GNL	14.27	PG25CBM-160-GNL	14.88	0-160	0-1100	2	50
PG25-200-GNL	14.27	PG25CBM-200-GNL	14.88	0-200	0-1400	2	50
PG25-300-GNL	14.27	PG25CBM-300-GNL	14.88	0-300	0-2000	5	50
PG25-400-GNL	14.88	PG25CBM-400-GNL	14.88	0-400	0-2800	5	50
PG25-600-GNL	14.88	PG25CBM-600-GNL	14.88	0-600	0-4000	10	50



PART NO.	LIST PRICE-A	PART NO.	LIST PRICE-A	DUAL RANGE PSI	DUAL RANGE kPa	INCRE- MENTS	CASE QTY
1/4" LM		1/4" CBM					
2-PG25-15-G	14.54			0-15	0-100	0.2	50
2-PG25-30-G	14.10			0-30	0-200	0.5	50
2-PG25-60-G	14.10			0-60	0-400	1	50
2-PG25-100-G	14.10			0-100	0-700	1	50
2-PG25-160-G	14.10			0-160	0-1100	2	50
2-PG25-200-G	14.10			0-200	0-1400	2	50
2-PG25-300-G	14.10			0-300	0-2000	5	50
2-PG25-1000-G	14.54	2-PG25CBM-1000-G	14.49	0-1000	0-7000	20	50
2-PG25-1500-G	14.54	2-PG25CBM-1500-G	14.49	0-1500	0-10000	20	50
2-PG25-2000-G	14.54	2-PG25CBM-2000-G	14.49	0-2000	0-14000	20	50
2-PG25-3000-G	14.54	2-PG25CBM-3000-G	14.49	0-3000	0-20000	50	50
2-PG25-4000-G	14.54	2-PG25CBM-4000-G	14.49	0-4000	0-28000	50	50
2-PG25-5000-G	14.98	2-PG25CBM-5000-G	14.97	0-5000	0-35000	50	50
2-PG25-10000-G	15.42	2-PG25CBM-10000-G	15.40	0-10000	0-70000	100	50



Not For Conveying
Potable Water



VACUUM GAUGE

2-PGV25-30-G	14.54	2-PGV25CBM-30-G	14.49	30-0Hg		0.5	50
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VACUUM/PRESSURE GAUGE

2-PGC25-30-30-G	14.54	2-PGC25CBM-30-30G	14.49	30Hg-0-30		2/1	50
2-PGC25-30-150-G	14.54	2-PGC25CBM-30150G	14.49	30Hg-0-150		10/5	50

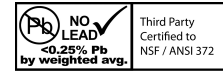
IMPORTANT: Liquid Filled Gauges are sealed with a rubber plug to prevent leaking during shipment. Upon installation the tip of the plug must be cut off to allow the equalization of the internal gauge pressure to the atmospheric pressure. FAILURE TO DO SO WILL ADVERSELY AFFECT THE FUNCTION OF THE GAUGE.

GLYCERINE TEMPERATURE RATINGS

"BII" gauges are filled with 100% (99.7% min.) glycerine, which starts to become viscous at +17°C. As temp. decreases, the more viscous glycerine becomes, causing the pointer to move slower to its correct position, it can take several minutes. At -5°C these gauges no longer operate. For operating temps. less than -5°C, glycerine is mixed: 2 parts glycerine with 1 part water (66.7%), which actually lowers the freezing point of the solution allowing the gauge to be used in temps. as low as -46°C.

2-1/2" DIAL STAINLESS STEEL PRESSURE GAUGES - LOWER & CENTER BACK MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1.5% Full Scale Value
- Stainless Steel Internals and Connection
- 304 Stainless Steel Case
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Gauges 15 to 600 PSI are tapped for a Restrictor Screw (not included) 1000 PSI or more are tapped and include Restrictor Screw
- Ideal for use in corrosive environments
- Bourdon Tube
- Polycarbonate Window
- Dry and Glycerine Filled
- Maximum Media Temperature: 212°F (100°C)



PART NO. 1/4" LM	LIST PRICE-A	PART NO. 1/4" CBM	LIST PRICE-A	DUAL RANGE PSI	INCRE- MENTS	CASE QTY
PGS25-15	33.06	PGS25CBM-15	33.06	0-15	0-100	0.2 50
PGS25-30	32.63	PGS25CBM-30	32.63	0-30	0-200	0.5 50
PGS25-60	32.63	PGS25CBM-60	32.63	0-60	0-400	1 50
PGS25-100	32.63	PGS25CBM-100	32.63	0-100	0-700	1 50
PGS25-160	32.63	PGS25CBM-160	32.63	0-160	0-1100	2 50
PGS25-200	32.63	PGS25CBM-200	32.63	0-200	0-1400	2 50
PGS25-300	32.63	PGS25CBM-300	32.63	0-300	0-2000	5 50
PGS25-400	32.63	PGS25CBM-400	32.63	0-400	0-2800	10 50
PGS25-600	32.63	PGS25CBM-600	32.63	0-600	0-4000	10 50
PGS25-1000	33.06	PGS25CBM-1000	33.06	0-1000	0-7000	20 50
PGS25-1500	33.06	PGS25CBM-1500	33.06	0-1500	0-10000	20 50
PGS25-2000	33.06	PGS25CBM-2000	33.06	0-2000	0-14000	50 50
PGS25-3000	33.06	PGS25CBM-3000	32.73	0-3000	0-20000	50 50
PGS25-5000	33.93	PGS25CBM-5000	33.93	0-5000	0-35000	50 50
PGS25-10000	35.22	PGS25CBM-10000	35.22	0-10000	0-70000	200 50



VACUUM GAUGE						
PGSV25-30	33.06			30-0Hg	0.5	50

VACUUM/PRESSURE GAUGE						
PGSC25-30-30	32.63	PGSC25CBM-30-30	32.63	30Hg-0-30	2/1	50

LIQUID FILLED w/ vent plug						
PGS25-15-G	34.75	PGS25CBM-15-G	38.73	0-15	0-100	0.2 50
PGS25-30-G	34.44	PGS25CBM-30-G	38.30	0-30	0-200	0.5 50
PGS25-60-G	34.44	PGS25CBM-60-G	38.30	0-60	0-400	1 50
PGS25-100-G	34.44	PGS25CBM-100-G	34.44	0-100	0-700	1 50
PGS25-160-G	34.44	PGS25CBM-160-G	38.30	0-160	0-1100	2 50
PGS25-200-G	34.44	PGS25CBM-200-G	38.30	0-200	0-1400	2 50
PGS25-300-G	34.44	PGS25CBM-300-G	38.30	0-300	0-2000	5 50
PGS25-400-G	38.30	PGS25CBM-400-G	38.30	0-400	0-2800	10 50
PGS25-600-G	38.30	PGS25CBM-600-G	38.30	0-600	0-4000	10 50
PGS25-1000-G	38.73	PGS25CBM-1000-G	38.73	0-1000	0-7000	20 50
PGS25-1500-G	38.73	PGS25CBM-1500-G	38.73	0-1500	0-10000	20 50
PGS25-2000-G	38.73	PGS25CBM-2000-G	38.73	0-2000	0-14000	50 50
PGS25-3000-G	38.73	PGS25CBM-3000-G	38.73	0-3000	0-20000	50 50
PGS25-5000-G	39.58	PGS25CBM-5000-G	39.58	0-5000	0-35000	50 50
PGS25-10000-G	40.85	PGS25CBM-10000-G	40.85	0-10000	0-70000	200 50

VACUUM GAUGE						
PGSV25-30-G	38.48			30-0Hg	0.5	50

VACUUM/PRESSURE GAUGE						
PGSC25-30-30-G	38.30	PGSC25CBM-30-30-G	38.30	30Hg-0-30	2/1	50

IMPORTANT: Liquid Filled Gauges are sealed with a rubber plug to prevent leaking during shipment. Upon installation the tip of the plug must be cut off to allow the equalization of the internal gauge pressure to the atmospheric pressure. FAILURE TO DO SO WILL ADVERSELY AFFECT THE FUNCTION OF THE GAUGE.

GLYCERINE TEMPERATURE RATINGS

"BII" gauges are filled with 100% (99.7% min.) glycerine, which starts to become viscous at +17°C. As temp. decreases, the more viscous glycerine becomes, causing the pointer to move slower to its correct position, it can take several minutes. At -5°C these gauges no longer operate. For operating temps. less than -5°C, glycerine is mixed: 2 parts glycerine with 1 part water (66.7%), which actually lowers the freezing point of the solution allowing the gauge to be used in temps. as low as -46°C.



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2-1/2" DIAL LOW PRESSURE GAUGES - LOWER MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1.5% Full Scale Value
- Brass Connection
- Steel Case
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Gauges are tapped and include Restrictor Screw
- Ideal for use in low pressure pneumatic systems
- For accurate measurement shown in inches of water (1/2 thru 10 PSI)
- Zero adjustment screw on dial
- Acrylic Window
- Maximum Media Temperature: 140°F (60°C)

PART NO. 1/4" LM	RANGE PSI	INCRE- MENTS	CASE QTY	LIST PRICE-A
PG25-0-15IN	0-15 IN H ₂ O	0.2	100	116.98
PG25-0-30IN	0-30 IN H ₂ O	0.5	100	157.07
PG25-0-60IN	0-60 IN H ₂ O	1	100	157.07
PG25-0-100IN	0-100 IN H ₂ O	1	100	147.78
PG25-0-200IN	0-200 IN H ₂ O	2	100	114.69
PG25-0-5PSI	0-5 PSI	2	100	147.57
PG25-0-10PSI	0-10 PSI	5	100	116.98



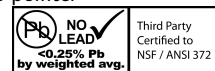
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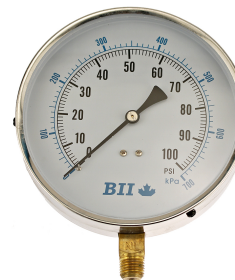
Note: Additional Error when temperature changes from reference temperature of 68°F (20°C) +/- 0.4% for every 18°F (10°C) rising or falling.

4-1/2" DIAL CONTRACTOR GAUGES - LOWER MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1% Full Scale Value (3000 & 5000 PSI 2%)
- Brass or Lead Free Brass Connection
- 304 Stainless Steel Case and bezel
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Gauges 15 to 600 PSI are tapped for a Restrictor Screw (not included) 1000 PSI or more are tapped and include Restrictor Screw
- Extra large dial face with readjustable pointer
- Bourdon Tube
- Acrylic Window
- Maximum Media Temperature: 140°F (60°C)



PART NO. 1/4" LM	DUAL RANGE PSI kPa	INCRE- MENTS	CASE QTY	LIST PRICE-A
PG45-15NL	0-15 0-100	0.2	20	21.31
PG45-30NL	0-30 0-200	0.5	20	19.72
PG45-60NL	0-60 0-400	1	20	19.72
PG45-100NL	0-100 0-700	1	20	19.72
PG45-160NL	0-160 0-1100	2	20	19.72
PG45-200NL	0-200 0-1400	2	20	19.72
PG45-300NL	0-300 0-2000	5	20	19.72
PG45-400NL	0-400 0-2800	5	20	19.72
PG45-600NL	0-600 0-4000	10	20	19.72



PART NO.	DUAL RANGE PSI kPa	INCRE- MENTS	CASE QTY	LIST PRICE-A
VACUUM GAUGE				
PGV45-30	30-0Hg	0.5	20	19.37
VACUUM/PRESSURE GAUGE				
PGC45-30-30	30Hg-0-30	2/1	20	19.37



Not For Conveying
Potable Water

4" DIAL PRESSURE GAUGES - LOWER MOUNT

- General Purpose - not for use with oxygen
- Brass Connection
- Steel Case
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Maximum Media Temperature: 140°F (60°C)
- Accuracy: +/- 2.5% Full Scale Value
- Bourdon Tube
- Acrylic Window

PART NO. 1/4" LM	LIST PRICE-A	DUAL RANGE PSI kPa	INCRE- MENTS	CASE QTY
PG40-15	33.42	0-15 0-100	0.2	50
PG40-30	29.49	0-30 0-200	0.5	50
PG40-60	29.49	0-60 0-400	1	50
PG40-100	29.49	0-100 0-700	1	50
PG40-160	29.49	0-160 0-1100	2	50
PG40-200	29.49	0-200 0-1400	2	50
PG40-300	29.49	0-300 0-2000	5	50
PG40-400	29.49	0-400 0-2800	5	50
PG40-600	44.43	0-600 0-4000	10	50



Not For Conveying
Potable Water



BOSHART INDUSTRIES

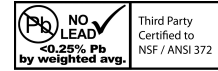
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May 16/14

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

4" DIAL PRESSURE GAUGES - LIQUID FILLED - LOWER MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1.5% Full Scale Value
- Brass or Lead Free Brass Connection
- 304 Stainless Steel Case w/ vent plug
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Ideal for use where vibration or pressure pulsation occurs
- Bourdon Tube
- Polycarbonate Window
- Glycerine Filled
- Maximum Media Temperature: 140°F (60°C)

PART NO.	LIST PRICE-A	PSI	DUAL RANGE kPa	INCRE- MENTS	CASE QTY
1/4" LM					
PG40-15-GNL	39.56	0-15	0-100	0.2	20
PG40-30-GNL	39.16	0-30	0-200	0.5	20
PG40-60-GNL	39.16	0-60	0-400	1	20
PG40-100-GNL	39.16	0-100	0-700	1	20
PG40-160-GNL	39.16	0-160	0-1100	2	20
PG40-200-GNL	39.16	0-200	0-1400	2	20
PG40-300-GNL	39.16	0-300	0-2000	5	20
PG40-400-GNL	39.16	0-400	0-2800	5	20
PG40-600-GNL	39.16	0-600	0-4000	10	20



PG40-1000-G	38.15	0-1000	0-7000	10	20
PG40-1500-G	38.15	0-1500	0-10000	20	20
PG40-2000-G	38.15	0-2000	0-14000	20	20
PG40-3000-G	38.15	0-3000	0-20000	50	20
PG40-5000-G	38.59	0-5000	0-35000	50	20
PG40-10000-G	39.02	0-10000	0-70000	100	20



Not For Conveying
Potable Water

4" DIAL STAINLESS STEEL PRESSURE GAUGES - LIQUID FILLED - LOWER BACK MOUNT

- General Purpose - not for use with oxygen
- Accuracy: +/- 1.5% Full Scale Value
- Stainless Steel Internals and Connection
- 304 Stainless Steel Case w/ vent plug
- Ambient Operating Temperature: -4 to 140°F (-20 to 60°C)
- Ideal for use where vibration or pressure pulsation occurs
- Bourdon Tube
- Polycarbonate Window
- Glycerine Filled
- Maximum Media Temperature: 140°F (60°C)

PART NO.	LIST PRICE-A	PSI	DUAL RANGE kPa	INCRE- MENTS	CASE QTY
1/4" LM					
PG40LBM-15-G	84.81	0-15	0-100	0.2	20
PG40LBM-30-G	84.81	0-30	0-200	0.5	20
PG40LBM-60-G	84.81	0-60	0-400	1	20
PG40LBM-100-G	84.81	0-100	0-700	1	20
PG40LBM-160-G	84.81	0-160	0-1100	2	20
PG40LBM-200-G	84.81	0-200	0-1400	2	20
PG40LBM-300-G	84.81	0-300	0-2000	5	20
PG40LBM-400-G	84.81	0-400	0-2800	5	20
PG40LBM-600-G	84.81	0-600	0-4000	10	20
PG40LBM-1000-G	85.24	0-1000	0-7000	10	20
PG40LBM-1500-G	85.24	0-1500	0-10000	20	20
PG40LBM-2000-G	85.24	0-2000	0-14000	20	20
PG40LBM-3000-G	85.24	0-3000	0-20000	50	20
PG40LBM-5000-G	86.11	0-5000	0-35000	50	20
PG40LBM-10000-G	86.11	0-10000	0-70000	100	20



IMPORTANT: Liquid Filled Gauges are sealed with a rubber plug to prevent leaking during shipment. Upon installation the tip of the plug must be cut off to allow the equalization of the internal gauge pressure to the atmospheric pressure. FAILURE TO DO SO WILL ADVERSELY AFFECT THE FUNCTION OF THE GAUGE.

GLYCERINE TEMPERATURE RATINGS

"BII" gauges are filled with 100% (99.7% min.) glycerine, which starts to become viscous at +17°C. As temp. decreases, the more viscous glycerine becomes, causing the pointer to move slower to its correct position, it can take several minutes. At -5°C these gauges no longer operate. For operating temps. less than -5°C, glycerine is mixed: 2 parts glycerine with 1 part water (66.7%), which actually lowers the freezing point of the solution allowing the gauge to be used in temps. as low as -46°C.

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May 16/14

PANEL MOUNT FLANGES

PART NO.	DESCRIPTION	LIST PRICE-A
3-HOLE FRONT FLANGE FOR 2 1/2"		
PG25CBM-FF	3-Hole Front Flange - 2 1/2" Dial back mount only	1.85
PG25CBM-UC	U-Clamp Mounting Flange - 2 1/2" Dial	2.11
3-HOLE FRONT FLANGE FOR 4"		
PG40LBM-FF	3-Hole Front Flange - 4" Dial	3.87
PG40LBM-UC	U-Clamp Mounting Flange - 4" Dial	2.67
	For use with Stainless Steel gauges only	



RESTRICTOR SCREW

- Threaded into socket to dampen pulsation surges

PART NO.	DESCRIPTION	LIST PRICE-A
2-PG25-RS	Restrictor Screw for 2-Series Gauges	0.10



REFILL GLYCERINE

- 1 litre bottle - 99.9% glycerine starts to become viscous@ (+)17deg.c.

PART NO.	DESCRIPTION	LIST PRICE-A
PGA-G-1L	1 L Refill glycerine for liquid filled guages	59.39



BRASS SNUBBERS - BRASS SNUBBING ELEMENT

Brass body and Brass snubbing element and Brass retainer. These snubbers allow the screen to be removed from the body for cleaning.

- Maximum Operating Pressure: 10,000 PSI
- Operating Temperature: -40°C to +60°C
- Burst Pressure: 20,000 PSI

PART NO.	CONNECTION INLET x OUTLET	SERVICE/ APPLICATION	VICOSITY RANGE MICRON/SSU	LIST PRICE-A
2-PGA-BS-D	1/4" MPT x 1/4" FPT	Heavy Oils	50 micra (0.002")	4.78
2-PGA-BS-E	1/4" MPT x 1/4" FPT	Gasoline, Water or Light Oil	25 micra (0.001")	4.78
2-PGA-BS-G	1/4" MPT x 1/4" FPT	Air and Other Gases	15 micra (0.0006")	4.78

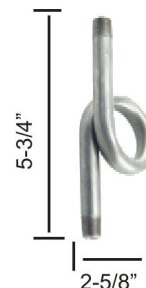


PIG TAIL SYPHONS

Used to reduce steam or other process media temperature prior to entering pressure gauge or transmittor. Available in STEEL or BRASS Weight: 7 ounces (200 grams)



PART NO.	DESCRIPTION	LIST PRICE-A
STEEL		
PGA-PTS-02	Schedule 40 Steel Pipe	3.83
Will function properly and withstand pressure and temperature of 600 lbs per square inch and 750°F.		
RED BRASS		
PGA-PTB-02	Schedule 40 Red Brass Pipe	15.53
Will function properly and withstand a combined pressure and temperature of 200 lbs. per inch and 406°F.		



BOSHART INDUSTRIES

6-8
January 17/14

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

WATER TEST GAUGE/MAX PRESSURE INDICATOR GAUGE

APPLICATION

This gauge provides a quick and easy way to test a wide range of pressure systems for leakage. With a standard 3/4" garden hose connection complete with washer this gauge attaches to hose bibbs, boiler drains and lawn faucets. Often used in conjunction with rubber test caps offering a quick and easy way to fill and drain water used in testing cast iron or Schedule 40 plastic pipe often used in sewer, drain and waste water systems. Part numbers with the MP suffix come with a maximum pressure indicator pointer. The indicator pointer is ideal for recording the maximum system pressure reached. The pointer can be reset by turning the external knob clockwise.

PART NO.	RANGE PSI	INCRE- MENTS	QUANTITY		LIST PRICE-A
			CTN	CASE	
PG25-WTG200MP	0-200	10	1	50	8.21
PG25-WTG300	0-300	10	1	50	6.99
PG25-WTG300MP	0-300	10	1	50	8.21

Connection - 3/4" Brass Female Hose Thread - Swivel



GAS TEST GAUGES

APPLICATION

These gauges come completely assembled on a brass hex manifold incorporating a snifter (air) valve complete with a plastic cap. The manifold is threaded with a 3/4" FPT connection. This test gauge package provides a quick and easy means of pressurizing and monitoring a gas system for leakage.

PART NO.	CONNECTIONS	RANGE PSI	INCRE- MENTS	QUANTITY		LIST PRICE-A
				CTN	CASE	
PG-GT15	3/4" FPT	0 - 15	1/5 PSI	1	50	13.34
PG-GT30	3/4" FPT	0 - 30	1 PSI	1	50	13.34
PG-GT100	3/4" FPT	0 - 100	1 PSI	1	50	13.34
PG-GT200	3/4" FPT	0 - 200	1 PSI	1	50	13.34

Note: Bushing not included. Please purchase separately



GAS TEST MANIFOLD W/O GAUGE

This is a brass hex manifold incorporating a snifter (air) valve complete with a plastic cap. The manifold is threaded with a 3/4" FPT connection. This test gauge package provides a quick and easy means of pressurizing and monitoring a gas system for leakage. Gauges sold separately.

PART NO.	LIST PRICE-A
PG-GTM	9.23



GAS TEST MANIFOLD COUPLING

- Trouble free alternative to test gas systems
- Black malleable iron 3/4" x 1/4" reducer
- Coupling drilled and tapped 1/8"

PART NO.	RANGE PSI	QUANTITY		LIST PRICE-A
		CTN	CASE	
PG-GTMC (Coupling Only)		30	180	2.44

CHOICE OF ACCESSORY PACKAGES AVAILABLE

Complete with 1/8" Snifter Valve

PG-GTMC-SV		100	4.31
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Complete with Pressure Gauge and Snifter Valve

PG-GTMC-15	0 - 15	1	50	8.78
PG-GTMC-30	0 - 30	1	50	8.38
PG-GTMC-60	0 - 60	1	50	8.38
PG-GTMC25-15	0 - 15	1	50	9.88
PG-GTMC25-30	0 - 30	1	50	9.88
PG-GTMC25-60	0 - 60	1	50	9.88
PG-GTMC25-100	0 - 100	1	50	9.88



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May 16/14

WATER LEVEL GAUGE

This gauge is used to indicate the depth of water in a well. The gauge and an air line reaching the well bottom are charged with air. The pressure required to permit air to escape from the end of the air line is a measure of the head of water above the end of the air line. The length of air line may be set on the adjustable dial to permit reading water level in feet below the ground surface.

- Accuracy: +/- 3% - 2% - 3%
- Brass 1/4" LM Connection
- 304 Stainless Steel Case and bezel with side screws
- Bourdon tube - phosphor bronze, soft soldered
- 4-1/2" Aluminum rotating dial
- Acrylic Window
- Brass pointer with black finish

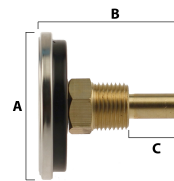
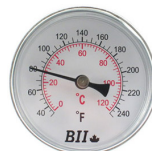
PART NO.	LIST PRICE-A	RANGE	INCREMENTS	CASE QTY
PG45-WL	21.35	0-390' H ₂ O	0.2	20



2-1/2" & 3" DIAL BI-METAL THERMOMETERS

- General purpose industrial thermometer
- Accuracy: +/- 2% Working Range - Max Scale Value
- Coiled bi-metal element
- Aluminum case
- Brass or Stainless Steel Thermowell
- Acrylic Window
- Thermowell Max Pressure Rating: 87 PSI (600 kPa)

PART NO.	LIST PRICE-A	CONNECTION	DUAL RANGE °F °C	DIMENSIONS A B C	CASE QTY
TW25-CB2-250-25	12.95	1/2" CBM Brass	32-250 °F 0-120 °C	2-1/2" 2-9/16" 1"	150
TW30-CB2-250-25	20.37	1/2" CBM Brass	32-250 °F 0-120 °C	3-5/16" 3-11/16" 2-7/16"	50
TW25-CB2-250-SS25	16.87	1/2" CBM SS	32-250 °F 0-120 °C	2-1/2" 2-9/16" 1"	150



HOT WATER THERMOMETERS

- General purpose use with hot water
- Red Organic Kerosene Liquid
- Brass Thermowell

PART NO. ANGLE	LIST PRICE-A	CONNECTION	DUAL RANGE °F °C	DIMENSIONS A B	CASE QTY
THW8-A2-280	15.04	1/2" MPT BRASS	40 to 280 5 to 135	6-15/16" 3-1/8"	50
THW8-S2-280	14.21	1/2" MPT BRASS	40 to 280 5 to 135	10-7/8" 3-1/8"	50



THERMOWELLS

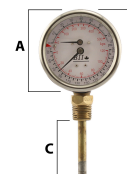
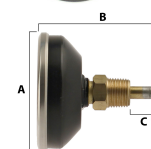
PART NO.	LIST PRICE-A	CONNECTION	FOR USE WITH
TW-05/40MM	6.14	1/2" MPT BRASS	TW25-CB2-250-25



2-1/2" & 3" DIAL TRIDICATORS

- General purpose industrial combination pressure gauge/thermometer
- Bourdon tube and Coiled bi-metal element
- Brass Connection
- 3" Dial face comes with adjustable indicator
- Accuracy: Pressure +/- 3% - 2% - 3% Temperature +/- 2%
- Red (2-1/2") or Black (3") Steel Case
- Acrylic Window

PART NO.	LIST PRICE-A	TEMP. RANGE	PRESSURE RANGE	DIMENSIONS A B C	CASE QTY
2-1/2" DIAL RED STEEL CASE - 1/4" CBM					
TR25-CB1-60/250	16.17	30-250 °F 0-120 °C	0-75 PSI 0-500 kPa	2-11/16" 3-9/16" 1-9/16"	100
TR25X1-CB1-60/250	18.65	30-250 °F 0-120 °C	0-75 PSI 0-500 kPa	2-11/16" 4-7/8" 1-5/8"	75
3" DIAL BLACK STEEL CASE - 1/2" CBM					
TR30-CB2S-60/250	19.48	30-250 °F 0-120 °C	0-75 PSI 0-500 kPa	3-5/16" 3-3/16" 11/16"	50
TR30-CB2-60/250	19.48	30-250 °F 0-120 °C	0-75 PSI 0-500 kPa	3-5/16" 4-7/8" 2-1/4"	50
3" DIAL BLACK STEEL CASE - 1/2" LM					
TR30-LM2-60/250	22.38	30-250 °F 0-120 °C	0-75 PSI 0-500 kPa	3-5/16" 6-3/4" 2-1/4"	50
TR30-LM2-80/290	22.32	80-290 °F 26-143 °C	0-200 PSI 0-1400 kPa	3-5/16" 6-3/4" 2-1/4"	50



BOSHART INDUSTRIES

6-10
October 29/12

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

FLOATLESS LIQUID LEVEL CONTROL SYSTEMS



Provides automatic low level cut-off protection for submersible pumps and deep well turbines. Liquid level submersible pump control system consists of a standard enclosed type LH induction relay which operates from two types of electrodes - ELB or ELS - suspended at desired levels. Properly installed, these components provide reliable automatic low level cut-off protection for submersible pumps and deep well turbines. Permits efficient operation at full capacity and eliminates danger of pumping air or sand.

NOTE: ELB or ELS not included

Nema 1 General Purpose Metal Enclosure
Rated at 1 H.P. Single Phase, 115 or 230 volts, 25 AMP

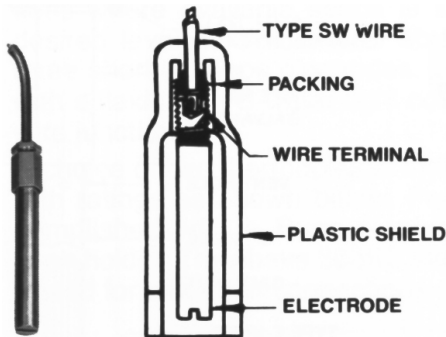
TYPE LH RELAY - The LH Relay is a pump down control for sewage and sump pump, condensate return systems.

TYPE RH RELAY - The RH Relay is a pump up control for supply pumps on elevated tanks and towers.

TYPE DH RELAY - The DH Relay is a two way control system for pump up or pump down.

PART NO.	MODEL #	LINE VOLTAGE	SECONDARY COIL VOLT	DESCRIPTION/OPERATION	LIST PRICE-A
LH-115	1500-C-L1-S8-NI-X	110/120V	360V AC	Pump Down - Submersible	POR
LH-230	1500-C-L2-S8-NI-X	208/240V	360V AC	Pump Down - Submersible	POR
RH-115	1500-D-L1-S8-NI-X	110/120V	360V AC	Pump Up - Open System	POR
RH-230	1500-D-L2-S8-NI-X	208/240V	360V AC	Pump Up - Open System	POR
DH-115	1500-G-L1-S8-NI-X	110/120V	360V AC	Pump Up / Down - Submersible & Open	POR
DH-230	1500-G-L2-S8-NI-X	208/240V	360V AC	Pump Up / Down - Submersible & Open	POR

ELECTRODES



The Electrode is made of brass or stainless steel, 2" long. They are assembled in molded plastic insulating shields, and suspended at desired levels in the well by means of suspension wire. Wiring diagrams and complete installation instructions are included with each control. 2 or 3 electrodes are required depending on application. A system ground return circuit is required from the indicated relay terminal to the liquid in order to complete the secondary circuit of relay. Conduit should not be used. Instead, connection should be made directly to uninsulated metal tank, or to metal pipe connected to tank below normal low liquid level. In wells, or insulated tanks, use an extra common electrode extending slightly below the longest operating electrode.

PART NO.	DESCRIPTION	LIST PRICE-A
ELB	Brass Electrode	75.00
ELS	Stainless Steel Electrode	79.68

PUMPTROL® SMALL WATER PUMP PRESSURE SWITCHES - TYPES FSG & FYG

For complete details please refer to Square D Mini Catalogue

INDIVIDUALLY BOXED & BULK PACKED BULK PACKED SWITCHES MUST BE ORDERED BY CARTON QUANTITIES & C20 MUST BE SHOWN ON THE PART NUMBER.

PART NUMBER	CLASS	TYPE	CODE	FORM	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	QTY CTN	LIST PRICE-A
9013	FSG2	J20			20 - 40	1/4" FPT - Standard Duty Switch	1	30.22
9013	FSG2	J20	C20		20 - 40	1/4" FPT - Standard Duty Switch	20	29.72
9013	FSG2	J21			30 - 50	1/4" FPT - Standard Duty Switch	1	30.22
9013	FSG2	J21	C20		30 - 50	1/4" FPT - Standard Duty Switch	20	29.72
9013	FSG2	J24			40 - 60	1/4" FPT - Standard Duty Switch	1	30.22
9013	FSG2	J24	C20		40 - 60	1/4" FPT - Standard Duty Switch	20	29.72
9013	FSG2	J20	M1		20 - 40	1/4" FPT - Manual Cut Out Lever	1	35.90
9013	FSG2	J21	M1		30 - 50	1/4" FPT - Manual Cut Out Lever	1	35.90
9013	FSG2	J24	M1		40 - 60	1/4" FPT - Manual Cut Out Lever	1	35.90
9013	FSG2	J20	M4		20 - 40	1/4" FPT - Low Pressure Cut-off	1	39.82
9013	FSG2	J20	M4C20		20 - 40	1/4" FPT - Low Pressure Cut-off	20	39.16
9013	FSG2	J21	M4		30 - 50	1/4" FPT - Low Pressure Cut-off	1	39.82
9013	FSG2	J21	M4C20		30 - 50	1/4" FPT - Low Pressure Cut-off	20	39.16
9013	FSG2	J24	M4		40 - 60	1/4" FPT - Low Pressure Cut-off	1	39.82
9013	FSG2	J24	M4C20		40 - 60	1/4" FPT - Low Pressure Cut-off	20	39.16
9013	FSG2	J20	P		20 - 40	1/4" FPT - Pulsation Plug	1	30.93
9013	FSG2	J21	P		30 - 50	1/4" FPT - Pulsation Plug	1	30.93
9013	FSG2	J21	PC20		30 - 50	1/4" FPT - Pulsation Plug	20	30.55
9013	FSG2	J24	P		40 - 60	1/4" FPT - Pulsation Plug	1	30.93
9013	FSG9	J20			20 - 40	1/4" MPT	1	30.22
9013	FSG9	J21			30 - 50	1/4" MPT	1	30.22
9013	FSG9	J21	C20		30 - 50	1/4" MPT	20	29.72
9013	FSG9	J24			40 - 60	1/4" MPT	1	30.22
9013	FSG9	J20	P		20 - 40	1/4" MPT - Pulsation Plug	1	30.93
9013	FSG9	J21	P		30 - 50	1/4" MPT - Pulsation Plug	1	30.93
9013	FSG10	J20			20 - 40	Mini Barb	1	30.22
9013	FSG10	J21			30 - 50	Mini Barb	1	30.22
9013	FSG10	J21	C20		30 - 50	Mini Barb	20	29.72
9013	FSG10	J20	T		20 - 40	Mini Barb - 1/2" Conduit Bushing - on left	1	34.85
9013	FSG10	J21	T		30 - 50	Mini Barb - 1/2" Conduit Bushing - on left	1	34.85
9013	FSG10	J21	TC16		30 - 50	Mini Barb - 1/2" Conduit Bushing - on left	16	38.50
9013	FSG14	J20			20 - 40	1/4" Barb	1	30.22
9013	FSG14	J21			30 - 50	1/4" Barb	1	30.22
9013	FSG14	J21	C20		30 - 50	1/4" Barb	20	29.72
9013	FSG14	J21	T		30 - 50	1/4" Barb - 1/2" Conduit Bushing - on left	1	34.85
9013	FSG42	J99	615		6 - 15	1/4" FPT	1	38.40
9013	FSG52	J25			60 - 80	1/4" FPT	1	32.34
9013	FSG52	J33			50 - 70	1/4" FPT	1	32.34
9013	FYG2	J20	C20		20 - 40	1/4" FPT - Medium Duty	20	49.27
9013	FYG2	J21			30 - 50	1/4" FPT - Medium Duty	1	49.27
9013	FYG2	J24			40 - 60	1/4" FPT - Medium Duty	1	49.27
9013	FYG2	J25			60 - 80	1/4" FPT - Medium Duty	1	49.27
9013	FYG2	J33			50 - 70	1/4" FPT - Medium Duty	1	49.19
9013	FYG2	J21	M4		30 - 50	1/4" FPT - Medium Duty low pressure cut off	1	59.92
9013	FYG2	J24	M4		40 - 60	1/4" FPT - Medium Duty low pressure cut off	1	59.92
9013	FYG2	J25	M4		60 - 80	1/4" FPT - Medium Duty low pressure cut off	1	59.92
9013	FYG29	J99	1020		10 - 20	1/4" MPT - Medium Duty	1	36.24
9013	FYG42	J99	615		6 - 15	1/4" FPT - Medium Duty	1	58.41



Accessories
are supplied
separately. No
assembly done by
Boshart Industries
Inc.

ACCESSORIES

LIST PRICE-A

1530S6G1	Pulsation Plug	1.04
9998PC241	Contact Kit, All FSG	16.22
9998PC242	Contact Kit, All FYG	25.96

BOSHART INDUSTRIES

6-12

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164

October 29/12

Fax: 1-519-595-4380 - www.boshart.com

PUMPTROL® SMALL COMPRESSOR PRESSURE SWITCHES - TYPE FHG

For complete details please refer to Square D Mini Catalogue

INDIVIDUALLY BOXED

PART NUMBER				PRES SETTING		LIST
CLASS	TYPE	CODE	FORM	CLOSE-OPEN	CONNECTION / DESCRIPTION	PRICE-A
9013	FHG2	J27		OFF 100	1/4" FPT - Contacts open on pressure rise	33.78
9013	FHG2	J27	X	OFF 100	1/4" FPT - Two-Way Pressure Release Valve	46.69
9013	FHG12	J52	X	OFF 125	1/4" FPT - Two-Way Pressure Release Valve	46.69
9013	FHG12	J55	X	OFF 150	1/4" FPT - Two-Way Pressure Release Valve	46.69
9013	FHG22	J27	X	OFF 100	1/4" FPT - Two-Way Pressure Release Valve	62.11
9013	FHG32	J55	M1	OFF 150	1/4" FPT - Manual Cut Out Lever	55.55
9013	FHG32	J55	X	OFF 150	1/4" FPT - Two-Way Pressure Release Valve	62.11
9013	FHG42	J59	X	OFF 175	1/4" FPT - Two-Way Pressure Release Valve	46.69
9013	FHG52	J59	X	OFF 175	1/4" FPT - Two-Way Pressure Release Valve	62.11



Accessories are supplied separately. No assembly done by Boshart Industries Inc.

ACCESSORIES

LIST PRICE-A

9998PC242 Contact Kit, All FHG

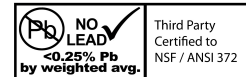
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PUMPTROL® SMALL WATER PUMP PRESSURE SWITCHES - TYPE FRG

For complete details please refer to Square D Mini Catalogue

INDIVIDUALLY BOXED

PART NUMBER				PRES SETTING		LIST
CLASS	TYPE	CODE	FORM	CLOSE-OPEN	CONNECTION / DESCRIPTION	PRICE-A
9013	FRG2	J23	M5	40 - 20	1/4" FPT - Reverse action	61.60
9013	FRG2	J23		40 - 20	1/4" FPT - Reverse action - auto on	67.95
9013	FRG2	J35		50 - 30	1/4" FPT - Reverse action	61.60
9013	FRG2	J99	6040	60 - 40	1/4" FPT - Reverse action	61.60
9013	FRG22	J22			1/4" FPT - Reverse action	67.54
9013	FRG22	J70		35 - 20	1/4" FPT - Reverse action	67.54
9013	FRG42	J36		10 - 5	1/4" FPT - Reverse action	67.54



PUMPTROL® COMMERCIAL/LIGHT INDUSTRIAL PRESSURE SWITCHES - TYPE G

For complete details please refer to Square D Mini Catalogue

INDIVIDUALLY BOXED

PART NUMBER				PRES SETTING		LIST
CLASS	TYPE	CODE	FORM	CLOSE-OPEN	CONNECTION / DESCRIPTION	PRICE-A
9013	GHB2	J30		80 - 100	1/4" FPT - NEMA 3R - Rainproof	209.09
9013	GHG2	J25		60 - 80	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J30		80 - 100	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J30	X	80 - 100	1/4" FPT - Two way pressure release	161.87
9013	GHG2	J31		90 - 120	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J33		50 - 70	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J51	R	100 - 80	1/4" FPT - NEMA 1 - General purpose reverse action	140.06
9013	GHG2	J53		100 - 125	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J57		120 - 150	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J58		125 - 150	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J62		140 - 175	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J63		145 - 175	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GHG2	J63	X	145 - 175	1/4" FPT - Two way pressure release valve	161.87
9013	GHG5	J65		215 - 250	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GSB2	J24		40 - 60	1/4" FPT - NEMA 3R - Rainproof	209.09
9013	GSG2	J20		20 - 40	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GSG2	J21		30 - 50	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GSG2	J24		40 - 60	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GSG2	J25		60 - 80	1/4" FPT - NEMA 1 - General purpose	119.15
9013	GSR2	J20		20 - 40	1/4" FPT - NEMA 7 & 9 - Hazardous locations	634.00



Accessories are supplied separately. No assembly done by Boshart Industries Inc.

ACCESSORIES

LIST PRICE-A

9049A52 Mounting Bracket for GHG, GSG

15.67

9998PC205 Contacts - GHG, GSG, GHR, GSR, GMG (Except Forms H and R)

35.21

9998PC208 Diaphragm Assembly - GHG, GSG

19.80

BOSHART INDUSTRIES

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Fax: 1-519-595-4380 - www.boshart.com

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October 29/12

COMMERCIAL VACUUM SWITCH - CLASS 9016 - TYPE GVG-1

For complete details please refer to Square D Mini Catalogue

The Class 9016 Type GVG 1 is designed as a companion to the Class 9036 Type GG and the Class 9037 Type GG float switches in common use on vacuum heating pumps.

Electrical ratings of float and vacuum switch types are equal.



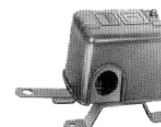
PART NUMBER			PRES SETTING	CONNECTION / DESCRIPTION	LIST
CLASS	TYPE	CODE	CLOSE-OPEN		PRICE-A
9016	GVG1	J10	16.5 - 25 in HG	Pressure Conn. 1/4-18 NPSF	635.14

FLOAT SWITCHES - TYPES D & G - OPEN TANK OR SUMP - CLASS 9036

For complete details please refer to Square D Mini Catalogue

INDIVIDUALLY BOXED

PART NUMBER				CONNECTION / DESCRIPTION	LIST
CLASS	TYPE	CODE	FORM		PRICE-A
9036	DG2			NEMA 1 - Contacts close on liquid rise	83.91
9036	DG2		R	NEMA 1 - Contacts open on liquid rise	91.71
9036	GG2			NEMA 1 - Contacts close on liquid rise	160.98
9036	GG2		R	NEMA 1 - Contacts open on liquid rise	160.98
9036	DW31			NEMA 4 - Contacts close on liquid rise	556.13
9036	DR31			NEMA 7 & 9 - Contacts close on liquid rise	534.67



ACCESSORIES

9049	A54			Mounting Bracket - 9036GG	37.05
9049	A58			Form R Lever - 9036DG	7.60
9049	A13			Compensating Spring - 9036GG	19.18
9049	A6C			7" Center Hole #304 S.S. Float, 5' Brass Rod, 4 Stops	247.01
9049	A6CA			7" Center Hole #304 S.S. Float, 5' Alum Rod, 4 Stops	162.46
9049	A6CS			7" Center Hole #316 S.S. Float, 5' S.S. Rod, 4 S.S. Stops	591.40
9049	A6			7" Tapped at top #304 S.S. Float, 5' Brass Rod, 2 Stops	211.39
9049	A6A			7" Tapped at top #304 S.S. Float, 5' Alum Rod, 2 Stops	220.88
9049	T1			2-1/2" Brass Rod and Connector	48.22
9049	T1S			2-1/2" S.S. Rod and Connector	118.76
9998PC205				Replacement Contact Kits GG, GR, GW, except Forms H & R	35.21
9998PC242				Contact Kit, DG, DR, DW	25.96



Accessories are supplied separately. No assembly done by Boshart Industries Inc.

BOSHART INDUSTRIES

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October 29/12

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

FLOAT SWITCHES - TYPES D, E - CLOSED TANK - CLASS 9037

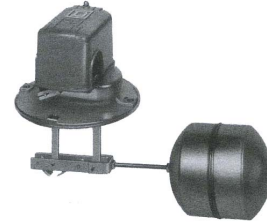
INDIVIDUALLY BOXED

PART NUMBER	CLASS	TYPE	CONNECTION / DESCRIPTION	LIST PRICE-A
9037		EG8	NEMA 1 - Contacts open / close on liquid rise	304.01
9037		EG9	NEMA 1 - Contacts open / close on liquid rise	304.01

ACCESSORIES

9049	EF1	#304 S.S. Float	44.66
9049	ER1	1 3/4" Stainless Steel Rod	18.52
9049	ER2	2-1/2" Stainless Steel Rod	18.52
9049	ER3	3-1/4" Stainless Steel Rod	18.52
9049	ER5	5-1/4" Stainless Steel Rod	18.52
9049	ER7	7-1/4" Stainless Steel Rod	18.52
9049	ER12	12-1/4" Stainless Steel Rod	18.52

E SERIES FLOAT & ROD SOLD SEPARATELY
TYPE EG



Accessories are supplied separately. No assembly done by Boshart Industries Inc.

ACCESSORIES

INDIVIDUALLY BOXED

PART NUMBER	CLASS	TYPE	CONNECTION / DESCRIPTION	LIST PRICE-A
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ACCESSORIES

9049	AF1	7" Round Center Hole #304 S.S. Replacement Float	147.72
9049	GBR5	5" Brass Rod	18.52

FLOAT SWITCHES - TYPES H - CLOSED TANK - CLASS 9037

INDIVIDUALLY BOXED

PART NUMBER	CLASS	TYPE	FORM	CONNECTION / DESCRIPTION	LIST PRICE-A
9037		HG30		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG31		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG31	R	NEMA 1 - Contacts open on liquid rise	220.88
9037		HG32		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG33		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG33	R	NEMA 1 - Contacts open on liquid rise	220.88
9037		HG34		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG35		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG35	R	NEMA 1 - Contacts open on liquid rise	220.88
9037		HG36		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG37		NEMA 1 - Contacts close on liquid rise	220.88
9037		HG38		NEMA 1 - Contacts close on liquid rise	220.88
9037		HR33		NEMA 7 & 9 - Contacts close on liquid rise	663.11
9037		HW33		NEMA 4 - Contacts close on liquid rise	684.02

ACCESSORIES

9049	HF3	#304 Stainless Steel Float	48.22
9049	HF4	#316 Stainless Steel Float	152.00
9998	PC242	Contact Kit, All HG, HW, HR 30 Through 39	25.96

9037 TYPE H SERIES
COMPLETE WITH #304
S.S. FLOAT and ROD



Accessories are supplied separately. No assembly done by Boshart Industries Inc.

BOSHART INDUSTRIES

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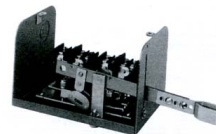
October 29/12

MECHANICAL ALTERNATORS - TYPES A - OPEN TANK - CLASS 9038

INDIVIDUALLY BOXED

PART NUMBER

CLASS	TYPE	CODE	CONNECTION / DESCRIPTION	LIST PRICE-A
9038	AG1		NEMA 1 - Float Operated Alternator	288.08
9038	AW1		NEMA 4 - Float Operated Alternator	1015.49
9038	AG1N5		NEMA 1 - Float Operated Alternator with high water alarm circuit	475.34



ACCESSORIES

9049	A6		7" Tapped at top #304 S.S. Float, 5' Brass Rod, 2 Stops	211.39
9049	A6A		7" Tapped at top #304 S.S. Float, 5' Alum Rod, 2 Stops	220.88
9049	A6C		7" Center Hole #304 S.S. Float, 5' Brass Rod, 4 Stops	247.01
9049	A6CA		7" Center Hole #304 S.S. Float, 5' Alum Rod, 4 Stops	162.46
9049	A6CS		7" Center Hole #316 S.S. Float, 5' S.S. Rod, 4 S.S. Stops	591.40
9049	UMS1		Universal Mounting Bracket	59.14
9049	A15		Compensating Spring	57.52

Accessories are supplied separately. No assembly done by Boshart Industries Inc.

MECHANICAL ALTERNATORS - TYPES B & C - CLOSED TANK - CLASS 9038

INDIVIDUALLY BOXED

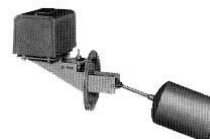
PART NUMBER

CLASS	TYPE	CODE	CONNECTION / DESCRIPTION	LIST PRICE-A
9038	CG	31	NEMA 1 - 2 1/2" MPT Conn. Float to right*	612.17
9038	CG	32	NEMA 1 - 2 1/2" MPT Conn. Float to left*	612.17
9038	CG	36	NEMA 1 - 2 1/2" MPT Conn. Float to left*	612.17

*Complete with Rod and Float

ACCESSORIES

9049	HF3		#304 Stainless Steel Float - Type C & D	48.22
9049	HF4		#316 Stainless Steel Float - Type C & D	152.00
9049	GBR5		5" Brass Rod	18.52



Front



For Type B Only:
Accessories are supplied separately. No assembly done by Boshart Industries Inc.

ELECTRIC ALTERNATORS - CLASS 9039 - TYPE X

PRICE ON REQUEST

Class 9039 alternators are used with two separately enclosed motor starters to alternate the operation of the pump motors of a duplex pump installation.



PRESSURE SWITCH INDICATOR LIGHT

PART NO.	DESCRIPTION	LIST PRICE-A
FSG-PL	Pressure Switch Indicator Light	24.29

This pump light can be used with two or three wire motors in either 115 volt or 230 volt applications. It is easy to install at the pressure switch, where it is used to indicate that the pump is running or at the control box, where it is used to indicate that current is available to the submersible pump.



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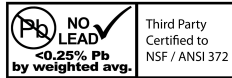
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May 4/12

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

BII STANDARD DUTY - SMALL WATER PUMP SWITCHES - PS02 SERIES

Standard water pump switch designed for the control of electrically driven water pumps of all types (Jets, Submersible, Reciprocating, etc.)

- Temperature Ambient: Min. -30°C(-22°F) Max. 70°C(158°F)
- Temperature Media: Min. -30°C(-22°F) Max. 125°C(257°F)
- Standard action - contacts open on rising pressure
- Enclosure - Type 1 Indoor use
- Individually Boxed • UL Approved • CSA approved



PART NO.	PRESSURE		CONNECTION/DESCRIPTION	QUANTITY		LIST
	SETTING			CTN	CASE	PRICE-A
PS02-2040	20 - 40		1/4" FPT - Standard Duty Switch	1	20	15.39
PS02-3050	30 - 50		1/4" FPT - Standard Duty Switch	1	20	15.39
PS02-4060	40 - 60		1/4" FPT - Standard Duty Switch	1	20	15.39
PS02AO-3050 *	30 - 50		1/4" FPT Auto/Manual Off	1	20	16.71
PS02AO-4060 *	40 - 60		1/4" FPT Auto/Manual Off	1	20	16.71
PS02LP-2040	20 - 40		1/4" FPT - Low Level Cut Off Switch	1	20	16.71
PS02LP-3050	30 - 50		1/4" FPT - Low Level Cut Off Switch	1	20	16.71
PS02LP-4060	40 - 60		1/4" FPT - Low Level Cut Off Switch	1	20	16.71
PS02B-3050	30 - 50		1/4" Barb Connection	1	20	15.39
PS02M-3050	30 - 50		1/4" MPT - Standard Duty Switch	1	20	15.52
PS02M-4060	40 - 60		1/4" MPT - Standard Duty Switch	1	20	15.52
PS02P-3050	30 - 50		1/4" FPT w/Pulsation Plug	1	20	15.13
PS02P-4060	40 - 60		1/4" FPT w/Pulsation Plug	1	20	15.13
PS02-PP			PULSATION PLUG (FOR 1/4" FPT)	10	1000	0.09



Model No	Pressure Range/Rating (PSI)				Horsepower (HP)	
	Cut-In	Differential	Cut-Out	Max Allowable	Single Phase	
					115V	230V
PS02	5-45	15-30	20-65	220	1.5	2

BII MEDIUM DUTY - WATER PUMP SWITCHES - PSMD02 SERIES

Medium duty pressure switches designed for the control of electrically driven water pumps of all types.

- Temperature Ambient: Min. -30°C(-22°F) Max. 70°C(158°F)
- Temperature Media: Min. -30°C(-22°F) Max. 125°C(257°F)
- Standard action - contacts open on rising pressure
- Enclosure - Type 1 Indoor use
- Individually Boxed • UL Approved

PART NO.	PRESSURE		CONNECTION/DESCRIPTION	QUANTITY		LIST
	SETTING			CTN	CASE	PRICE-A
PSMD02-2040	20 - 40		1/4" FPT - Medium Duty	1	25	27.05
PSMD02-3050	30 - 50		1/4" FPT - Medium Duty	1	25	27.05
PSMD02-4060	40 - 60		1/4" FPT - Medium Duty	1	25	27.05
PSMD02-5070	50 - 70		1/4" FPT - Medium Duty	1	25	27.05
PSMD02-6080	60 - 80		1/4" FPT - Medium Duty	1	25	27.05



Model No	Pressure Range/Rating (PSI)				2-Pole Horsepower (HP)			
	Cut-In	Differential	Cut-Out	Max Allowable	Single Phase		Three Phase	
					115V	230V	115V	230V
PSMD02	20-60	15-30	40-80	220	2	3	3	5

BII HEAVY DUTY - WATER PUMP SWITCHES - PSHD02 SERIES

Heavy duty pressure switches designed for the control of electrically driven water pumps of all types.

- Temperature Ambient: Min. -30°C(-22°F) Max. 70°C(158°F)
- Temperature Media: Min. -30°C(-22°F) Max. 125°C(257°F)
- Standard action - contacts open on rising pressure
- Enclosure - Type 1 Indoor use
- Individually Boxed • CSA Approved

PART NO.	PRESSURE		CONNECTION/DESCRIPTION	QUANTITY		LIST
	SETTING			CTN	CASE	PRICE-A
PSHD02-3050	30 - 50		1/4" FPT - Heavy Duty	1	25	68.41
PSHD02-4060	40 - 60		1/4" FPT - Heavy Duty	1	25	68.41
PSHD02-6080	60 - 80		1/4" FPT - Heavy Duty	1	25	68.41
PSHD02-80100	80 - 100		1/4" FPT - Heavy Duty	1	25	68.41



Model No	Pressure Range/Rating (PSI)				2-Pole Horsepower (HP)			
	Cut-In	Differential	Cut-Out	Max Allowable	Single Phase		Three Phase	
					115V	230V	115V	230V
PSHD02	30-80	20-60	50-100	300	2	3	3	5



BOSHART INDUSTRIES

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164

Fax: 1-519-595-4380 - www.boshart.com

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October 29/12

PRESSURE SENSORS / TRANSDUCERS - FOR PUMP APPLICATIONS

APPLICATIONS:

The new range of OsiSense®90-XMLK pressure sensors provides a high degree of accuracy for controlling water pressure in constant pressure pumping applications. 90-XMLK sensors help to optimize motor efficiency and reduce the energy consumption of pumps.

FEATURES / CONSTRUCTION / RATINGS:

- Available in two analog outputs, 4-20 mA or 0-10 V
- Available in four pressure ranges, 0-100, 150, 200 or 300 psi
- Max permissible accidental pressure is 2X rated pressure
- Response time: <2 ms Accuracy: +/- 0.3% of the measuring range
- Operating Temperature: 32°F to 176°F (0°C to 80°C)
- 1/4" MPT fluid connection, 303 Stainless Steel
- M12 electrical connection (connectors sold separately)
- Nitrile Buna Rubber (NBR) seal and Ceramic measuring cell
- UL and CSA listed



PRESSURE SENSORS

PART NO.	RANGE PSI	CONNECTION/DESCRIPTION	QUANTITY		LIST PRICE-A
			CTN	CASE	
90-XMLK100P2D23	0-100	1/4" MPT, 4-20 mA Output	1		152.33
90-XMLK150P2D23	0-150	1/4" MPT, 4-20 mA Output	1		152.33
90-XMLK200P2D23	0-200	1/4" MPT, 4-20 mA Output	1		152.33
90-XMLK300P2D23	0-300	1/4" MPT, 4-20 mA Output	1		152.33
90-XMLK100P2D73	0-100	1/4" MPT, 0-10 V Output	1		152.33
90-XMLK150P2D73	0-150	1/4" MPT, 0-10 V Output	1		152.33
90-XMLK200P2D73	0-200	1/4" MPT, 0-10 V Output	1		152.33
90-XMLK300P2D73	0-300	1/4" MPT, 0-10 V Output	1		152.33

SCREW TERMINAL CONNECTOR

- Allows for wiring long runs of sensor cable directly to connector without any splices!

PART NO.	CONNECTION	LIST PRICE-A
90-XZCC12FCM40B	M12, ELBOW	29.46



PRE-WIRED CONNECTORS

PART NO.	CONNECTION	LENGTH	QUANTITY		LIST PRICE-A
			CTN	CASE	
90-XZCP1141L2	M12, STRAIGHT	2 m (6.56 ft)	1		53.87
90-XZCP1141L5	M12, STRAIGHT	5 m (16.40 ft)	1		71.83
90-XZCP1141L10	M12, STRAIGHT	10 m (32.80 ft)	1		96.51
90-XZCP1241L2	M12, ELBOW	2 m (6.56 ft)	1		53.87
90-XZCP1241L5	M12, ELBOW	5 m (16.40 ft)	1		71.83
90-XZCP1241L10	M12, ELBOW	10 m (32.80 ft)	1		96.51



BOSHART INDUSTRIES

6-18
April 23/12

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164
Fax: 1-519-595-4380 - www.boshart.com

HUBBELL BRAND CLASS 69ES PRESSURE SWITCH - WATER SYSTEM

PART NUMBER	CLASS	TYPE	FORM	CODE	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	QTY CTN	LIST PRICE-A
69	ES1			Z3050	30 - 50	1/4" FPT - General Purpose	44	57.95
69	ES1			Z4060	40 - 60	1/4" FPT - General Purpose	44	57.95



HUBBELL BRAND CLASS 69W HEAVY DUTY PRESSURE SWITCH - WATER SYSTEM

PART NUMBER	CLASS	TYPE	FORM	CODE	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	LIST PRICE-A
69		WB5		Z3050	30 - 50	1/4" FPT-NEMA 1 Water Sys Switch	68.68
69		WB3		Z510	5 - 10	1/4" FPT-NEMA 1 Water Sys Switch	68.68
69		WB2		Z37	3 - 7	1/4" FPT-NEMA 1 Water Sys Switch	68.68
69		WB5W		Z3050	30 - 50	1/4" FPT-NEMA 3 Weather Proof	214.62
69		WB5W		Z4060	40 - 60	1/4" FPT-NEMA 3 Weather Proof	214.62



LOW PRESSURE

69		WEC		Z3050	30 - 50	1/4" FPT-NEMA 1-Gard All	62.24
69		WFC		Z2040	20 - 40	1/4" FPT-NEMA 1-Gard All	85.85

HUBBELL BRAND CLASS 69 SPECIAL APPLICATION PRESSURE SWITCH - WATER/AIR SYSTEMS

PART NUMBER	CLASS	TYPE	FORM	CODE	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	LIST PRICE-A
69		WR7		Z12595	125 - 95	1/4" FPT-NEMA 1-Reverse Action	81.56
69		WR6		Z10075	100 - 75	1/4" FPT-NEMA 1-Reverse Action	81.56
69		WR5		Z5030	50 - 30	1/4" FPT-NEMA 1-Reverse Action	81.56
69		WR5L		Z5030	50 - 30	1/4" FPT Reverse Action Auto Off	85.85
69		WR3		Z105	10 - 5	1/4" FPT-NEMA 1-Reverse Action	81.56
69		WR2		Z73	7 - 3	1/4" FPT-NEMA 1-Reverse Action	81.56
69		WC7		Z12	12	1/4" FPT-NEMA 1-Gard-It	62.24
69		WH6		Z80	80	1/4" FPT-NEMA 1-Hi-Gard	66.53



HUBBELL BRAND CLASS 69J PRESSURE SWITCH - AIR SYSTEM

PART NUMBER	CLASS	TYPE	FORM	CODE	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	LIST PRICE-A
69		JF6		Z80100	80 - 100	1/4" FPT-NEMA 1 - General Purpose	50.44
69		JF6	L	Z80100	80 - 100	1/4" FPT-NEMA 1 - Lever	54.73
69		JF6	LY	Z80100	80 - 100	1/4" FPT-NEMA 1 - Lever & Unloader	68.68
69		JF6	Y	Z80100	80 - 100	1/4" FPT-NEMA 1 - Unloader Valve	64.39
69		JG6		Z80100	80 - 100	1/4" FPT-NEMA 1 - General Purpose	57.95
69		JG6	Y	Z80100	80 - 100	1/4" FPT-NEMA 1 - Unloader Valve	71.90
69		JF7		Z95125	95 - 125	1/4" FPT-NEMA 1 - General Purpose	50.44
69		JF7	L	Z95125	95 - 125	1/4" FPT-NEMA 1 - Lever	54.73
69		JF7	LY	Z95125	95 - 125	1/4" FPT-NEMA 1 - Lever & Unloader	68.68
69		JF7	Y	Z95125	95 - 125	1/4" FPT-NEMA 1 - Unloader valve	64.39
69		JG7		Z95125	95 - 125	1/4" FPT-NEMA 1 - General Purpose	57.95
69		JG7	L	Z95125	95 - 125	1/4" FPT-NEMA 1 - Lever	62.24
69		JG7	LY	Z95125	95 - 125	1/4" FPT-NEMA 1 - Lever & Unloader	74.05
69		JG7	Y	Z95125	95 - 125	1/4" FPT-NEMA 1 - Unloader Valve	71.90
69		JF8		Z115150	115 - 150	1/4" FPT-NEMA 1 - General Purpose	50.44
69		JF8	L	Z115150	115 - 150	1/4" FPT-NEMA 1 - Lever	54.73
69		JF8	LY	Z115150	115 - 150	1/4" FPT-NEMA 1 - Lever & Unloader	68.68
69		JF8	Y	Z115150	115 - 150	1/4" FPT-NEMA 1 - Unloader Valve	64.39
69		JG8		Z115150	115 - 150	1/4" FPT-NEMA 1 - General Purpose	57.95
69		JG8	L	Z115150	115 - 150	1/4" FPT-NEMA 1 - Lever	62.24
69		JG8	LY	Z115150	115 - 150	1/4" FPT-NEMA 1 - Lever & Unloader	74.05
69		JG8	Y	Z115150	115 - 150	1/4" FPT-NEMA 1 - Unloader Valve	71.90



HUBBELL BRAND CLASS 69H HEAVY DUTY PRESSURE SWITCH - AIR SYSTEM

PART NUMBER	CLASS	TYPE	FORM	CODE	PRES SETTING CLOSE-OPEN	CONNECTION / DESCRIPTION	LIST PRICE-A
69		HA1		Z115150	115 - 150	3/8" FPT NEMA 1 - General Purpose	210.33
69		HAU1		Z115150	115 - 150	3/8" FPT NEMA 1 - with Unloader Valve	214.62
69		HA2		Z100125	100 - 125	3/8" FPT NEMA 1 - General Purpose	210.33
69		HAU2		Z100125	100 - 125	3/8" FPT NEMA 1 - with Unloader Valve	214.62
69		HAU3		Z3040	30 - 40	3/8" FPT NEMA 1 - with Unloader Valve	214.62
69		HBU1		Z115150	115 - 150	3/8" FPT NEMA 1 - with Unloader Valve	223.21