

1-800-GRAINGER (472-4643)

Pressure Switch Unloader	Manual Switch Action	HP @ 1-Phase 120V	HP @ 1-Phase 240V	FACTORY ON/OFF SETTING					
				60/80 psi Range: 20-100 psi Item No.	80/100 psi Range: 20-100 psi Item No.	95/125 psi Range: 40-150 psi Item No.	105/135 psi Range: 40-150 psi Item No.	120/150 psi Range: 40-150 psi Item No.	135/175 psi Range: 60-200 psi Item No.
(1) Port, 1/4 in FNPS, Series 9013FHG									
No	Auto/Off	1 1/2 hp	2 hp	2PXL5	1V628	1V624	2PXJ1	2PXJ4	3AY91
1/4 in Compression	Auto/Off	1 1/2 hp	2 hp	2PXL6	3TV98	3AY90	2PXJ2	2PXJ5	3AY92
No	None	1 1/2 hp	2 hp	2PXL4	5B418	5B419	2PXH9	2FG80	—
1/4 in Compression	None	1 1/2 hp	2 hp	2PXL7	5B417	2FG79	2PXJ3	2FG81	2FG90
No	Auto/Off	2 hp	3 hp	2PXX8	3AY93	2PXN4	2PXL9	2PXN7	2PXR1
1/4 in Compression	Auto/Off	2 hp	3 hp	2PXX9	—	2PXN5	2PXN1	—	—
No	None	2 hp	3 hp	2PXX7	—	2PXN3	2PXL8	2FG87	2DC08
1/4 in Compression	None	2 hp	3 hp	2PXL1	2FG85	2PXN6	2PXN2	2FG88	2DC09
(1) Port, 1/4 in MNPT, Series 9013FHG									
1/4 in Compression	None	1 1/2 hp	2 hp	2PXR5	2FG83	* 2PXX4	2PXX2	2PXX6	2PXH7
No	None	1 1/2 hp	2 hp	2PXR4	2FG82	* 2PXX3	2PXX1	2PXX5	2FG91
No	None	2 hp	3 hp	2PXL3	2FG86	2PXP6	2PXP5	2PXP7	2PXX8
(4) Port, 1/4 in FNPS, Series 9013FHG									
1/4 in Compression	Auto/Off	1 1/2 hp	2 hp	—	5A018	5A020	2PXJ6	2PXJ8	2PXP8
1/4 in Compression	None	1 1/2 hp	2 hp	—	5A301	5A537	2PXJ7	2PXJ9	2PXP9
1/4 in Compression	Auto/Off	2 hp	3 hp	—	1V626	2PXP1	2PXN8	2PXP3	2PXR2
1/4 in Compression	None	2 hp	3 hp	—	2PXL2	2PXP2	2PXN9	2PXP4	2PXR3
Pressure Switch									
No	None	1 1/2 hp	2 hp	—	—	—	—	—	2FG89

* Factory On/Off Setting = 70/100 psi, Range: 40-150 psi.



5B418



Pumptrol® Air Pressure Switches—Fixed Differential

- 2-pole, HP rated
- Diaphragm actuated
- Contacts open on pressure rise
- NEMA 1 enclosure

Control electrically driven air compressors. Unloader models feature a small valve that opens at shutoff, releasing air pressure from the compressor head. Temp. range: -22° to 257°F. UL Listed and CSA Certified.

Pumptrol® Air and Water Pressure Switches—Adjustable Differential

- 2-pole, HP rated
- Diaphragm actuated
- Contacts open on pressure rise
- NEMA 1 enclosure

Control electrically driven air compressors or pumps. Unloader models feature a small valve that opens at shutoff, releasing air pressure from the compressor head. Temp. range: -22° to 257°F. UL Listed and CSA Certified.



Pressure Switch Unloader	Manual Switch Action	HP @ 1-Phase 120V	HP @ 1-Phase 240V	FACTORY ON/OFF SETTING						
				60/80 psi Item No.	75/100 psi Item No.	80/100 psi Item No.	100/125 psi Item No.	125/150 psi Item No.	140/175 psi Item No.	145/175 psi Item No.
(1) Port, 1/4 in FNPS, Series 9013GHG, Pressure Switch Range: 40 to 200 psi, Pressure Switch Differential 20 to 40 psi										
No	None	2 hp	3 hp	2FH17	6B438	6B441	2FH22	2FH26	2FH28	5B409
No	Auto/Off/On	2 hp	3 hp	2PXR6	6B440	6B443	2PXR7	2PXR8	2PXR9	2PXT2
1/4 in Compression	None	2 hp	3 hp	—	—	6B442	2FH23	—	2PXT1	5B408
(1) Port, 1/4 in FNPS, Series 9013GHG, Pressure Switch Range: 40 to 200 psi, Pressure Switch Differential 20 to 40 psi										
No	None	2 hp	3 hp	2PXT3	2PXT6	2FH32	—	2PXU4	2PXU7	—
No	Auto/Off/On	2 hp	3 hp	2PXT4	2PXT7	2PXT9	2PXU2	2PXU5	2PXU8	—
1/4 in Compression	None	2 hp	3 hp	2PXT5	2PXT8	2PXU1	2PXU3	2PXU6	2PXU9	—
(1) Port, 1/4 in FNPS, Series 9013GHG, Pressure Switch Range: 32 to 250 psi, Pressure Switch Differential 24 to 45 psi										
No	None	2 hp	3 hp	—	6B444	—	—	—	—	—
No	Auto/Off/On	2 hp	3 hp	—	2PXM1	—	2PXM2	—	—	—
1/4 in Compression	None	2 hp	3 hp	—	—	—	2PXM3	—	—	—
(1) Port, 3/8 in FNPS, Series 9013GHG, Pressure Switch Range: 32 to 250 psi, Pressure Switch Differential 24 to 45 psi										
No	None	2 hp	3 hp	—	—	—	—	2PXV4	1V632	2PXV8
No	Auto/Off/On	2 hp	3 hp	—	—	—	—	2PXV5	2PXV7	—
1/4 in Compression	None	2 hp	3 hp	—	—	—	—	—	1V634	—



2FH17

Pumptrol® Water Pump Pressure Switches

- 1- and 2-pole, HP Rated
- 1/4" female connection
- Diaphragm actuated
- NEMA 1 enclosure

Designed for direct control of electrically driven pumps. Can be used with motor starters to control higher horsepower motors. Low pressure cutoff switches operate at approximately 10 psi below the cut-in setting and will turn the pump off. Switches with a pulsation plug sense change over a longer interval and does not respond to spikes. Temp. range: -22° to 257°F. UL Listed and CSA Certified.



Manual Switch Action	Pressure Switch Range	Pressure Switch Differential	Pressure Switch Contact Form	HP @ 1-Phase 120V	HP @ 1-Phase 240V	Series	FACTORY ON/OFF SETTING				
							20/40 psi Item No.	30/50 psi Item No.	40/60 psi Item No.	50/70 psi Item No.	60/80 psi Item No.
Standard Action (Open on Rise)											
None	5 to 65 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	5B415	2FH02	2FH08	—	—
None	5 to 80 psi	15 to 30 psi	DPST	2 hp	3 hp	9013GSG	6B446	2FH38	2FH40	2PYD4	—
None	5 to 80 psi	20 to 30 psi	DPST	2 hp	3 hp	9013FGY	5B411	5B410	2PYA2	2PYA9	2FH15
None	10 to 80 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	—	—	—	2PXZ3	2PXY8
Auto/Off	5 to 65 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	2FG98	2FH05	2PXY6	—	—
Auto/Off	5 to 80 psi	15 to 30 psi	DPST	2 hp	3 hp	9013GSG	6B449	2PYC4	2PYC7	—	2PYC9
Auto/Off	5 to 80 psi	20 to 30 psi	DPST	2 hp	3 hp	9013FGY	2PXM7	2PXM9	2PYA3	2PYC1	2PXY9
Auto/Off	10 to 80 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	—	—	—	2PXZ4	2PXY6
Standard Action (Open on Rise), With Low Pressure Cut-Off											
Auto/Off/Start	5 to 65 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	5B414	2FH06	—	—	—
Auto/Off/Start	5 to 80 psi	20 to 30 psi	DPST	2 hp	3 hp	9013FGY	2PXM8	2PYA1	2PYA4	2PYC2	2PYA7
Auto/Off/Start	10 to 80 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	—	—	—	—	2PXZ1
Standard Action (Open on Rise), With Pulsation Plug											
None	5 to 65 psi	15 to 30 psi	DPST	1 1/2 hp	2 hp	9013FSG	5B413	5B412	2PXY7	—	—
None	5 to 80 psi	15 to 30 psi	DPST	2 hp	3 hp	9013GSG	6B447	6B448	2PYC8	2PYD6	2PYD1
None	5 to 80 psi	20 to 30 psi	DPST	2 hp	3 hp	9013FGY	2DC10	2DC11	2PYA5	2PYC3	2PYA8
Reverse Action (Close on Rise)											
4 to 45 psi	6 to 20 psi	SPST	1 hp	1 hp	1 hp	9013FRG	2PXX8	2PXX4	2PXX6	—	—
4 to 45 psi	6 to 20 psi	DPST	1 hp	1 hp	1 hp	9013FRG	6B452	2FG93	2PXX7	—	—
8 to 65 psi	15 to 30 psi	SPST	1 hp	1 hp	1 hp	9013FRG	—	—	2PXX2	2PXX4	—
8 to 65 psi	15 to 30 psi	DPST	1 hp	1 hp	1 hp	9013FRG	—	—	5B416	2PXX2	—
40 to 100 psi	20 to 30 psi	DPST	1 hp	1 hp	1 hp	9013FRG	—	—	1V630	2PXY4	2PXY2
5 to 80 psi	15 to 30 psi	DPST	2 hp	3 hp	3 hp	9013GSG	—	—	2PXC6	6B437	—
Reverse Action (Close on Rise), With Pulsation Plug											
5 to 80 psi	15 to 30 psi	DPST	2 hp	3 hp	3 hp	9013GSG	—	—	2PYC5	—	2PYD2



1V630



5B340

Description	Mfr. Model	Item No.	Description	Mfr. Model	Item No.
Replacement Contact Kits			Replacement Unloaders		
For All FSG Series and FRG (20 to 100 psi range) Series Switches	9998PC241	5B340	9013 GHG Form X Only	9049A12	2FJ18
For All FYG Series Switches	9998PC242	5B339	9013 FHG Form X Only	9049A56	2FJ24
For All GSG Series Switches	9998PC205	3AY95			

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