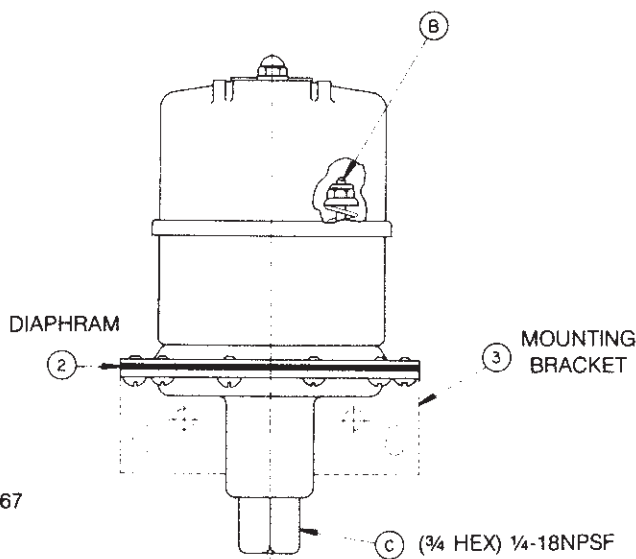
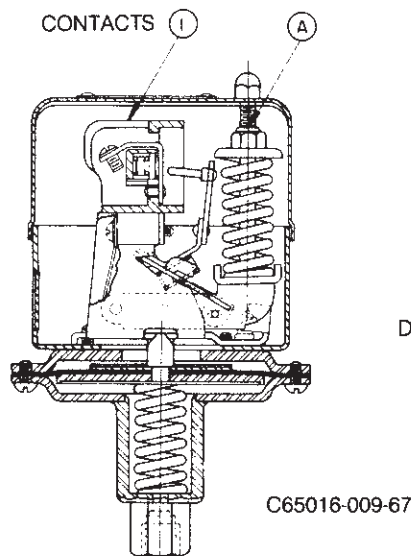




SHIPPENSBURG PUMP CO., INC.
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Square D Vacuum Switches (9016-GVG-1), used on many SHIPCO® Vacuum Heating Pumps, are normally factory preset to operate between 3" Hg and 8" Hg. Should field adjustment be required, refer to the following instructions for adjustment.



INSTRUCTIONS FOR ADJUSTMENT

RANGE – Always adjust the range spring nut (A) first until the desired higher vacuum operating point is obtained. Keep in mind this adjustment changes both the high and low operating points but should always be used to set the higher vacuum operating point. Turning the nut (A) clockwise will decrease (lower vacuum) both operating points.

DIFFERENTIAL – Then set the lower vacuum operating point by adjusting the differential spring nut (B). Turning the nut (B) clockwise increases the vacuum difference between the high and low operating points by decreasing the lower vacuum point only.

TWO POLE ELECTRICAL RATINGS

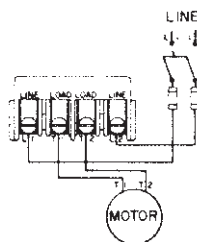
Voltage	Single Phase AC	Polyphase AC	DC
115	2 HP	3 HP	1 HP
230	3 HP	5 HP	1 HP
460-575	5 HP	5 HP	–
32	–	–	1/2 HP

FORM H

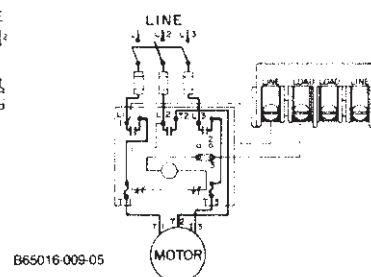
SINGLE POLE ELECTRICAL RATINGS

Voltage	Single Phase AC	DC
115	1 HP	1/2 HP
230	2 HP	1/2 HP
460-575	2 HP	–

TYPICAL WIRING DIAGRAMS



Motor Controller Application



Control Circuit Switch Application

CAUTION – Do not use these devices on pressure media which would be detrimental to the NBR Elastomeric Diaphragm or zinc plated steel flange.

WARNING
TO AVOID SHOCK HAZARD, DISCONNECT ALL POWER BEFORE INSTALLING OR SERVICING DEVICE.

SERVICE TEMPERATURE LIMITATIONS

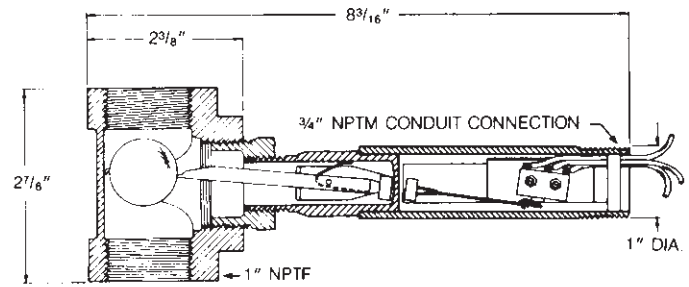
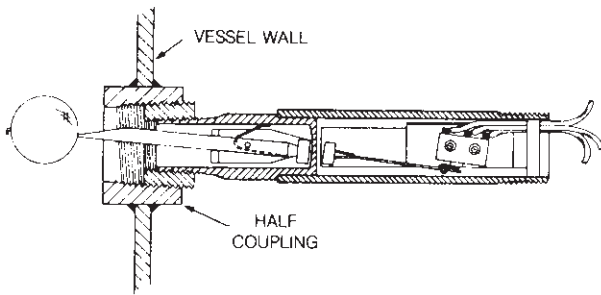
Ambient	Pressure Media
Minimum –18°C (0°F)	Minimum –30°C (–22°F)
Maximum +107°C (+225°F)	Maximum +120°C (+250°F)

MAXIMUM ALLOWABLE POSITIVE PRESSURE

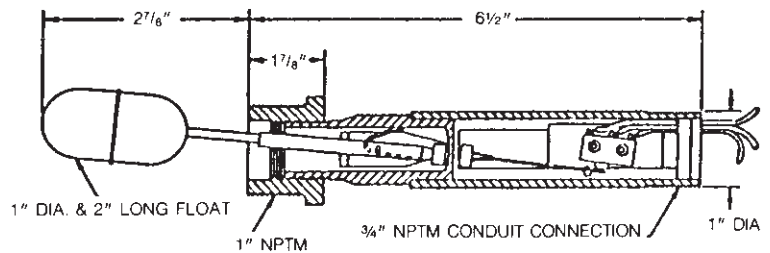
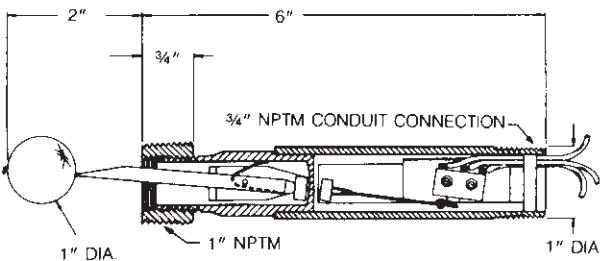
30 PSI

FlOTECT® Model L6 Level Switch

INSTALLATION AND OPERATING INSTRUCTIONS



L-6 WITH EXTERNAL FLOAT CHAMBER



INSTALLATION

1. Carefully unpack switch, making sure to remove any packing from inside float chamber and/or lower housing.
2. Switch must be indexed during installation, so that the arrow on the side of the switch points down.
3. If switch is installed "thru-wall", a 1" half-coupling must be welded in the vessel wall as shown above. Half-couplings must extend through the wall as shown above. Do not attempt to use thredolets, full couplings or other types of fittings.
4. Pass the connecting wires through external conduit and connect. Switch is deactivated and contacts are in normal condition when level is below switch.

Black – Common

Blue – N.O.

Red – N.C.

Note: Double pole, double throw switches have dual black, blue and red leads. These are connected in the same manner as single pole double throw switches as described above.

5. Make sure conduit and wiring meet appropriate codes for hazardous areas. Make sure conduit is properly sealed. Care must be taken in hot/cold or outdoor installations to prevent condensation inside conduit. Electrical components must be kept free of moisture at all times.

Caution: To prevent ignition of hazardous atmosphere, disconnect the device from the supply circuit before opening. Keep assembly tightly closed when in operation.

6. Inspect and clean wetted parts at regular intervals.