



14 GPM Bubble-Up Mechanical Pump Control Assembly Manual

(Pat. No. US 8,393,875 B2)

PART NUMBER BUB-075B
14GPM Standard 45/65 Pressure Switch
FOR USE WITH ONLY 115 VOLT BUBBLE-UP PUMPS.



A. SETTING PRESSURE SWITCH FOR PROPER OPERATION:

1. Always unplug the pressure switch before removing pressure switch cover and making adjustments. See pressure adjustment instructions under the cover.
2. Adjust the large spring only until the pressure switch turns on at 45 PSI.
3. Do not adjust the small spring. This will keep 20 psi differential.

B. HOW IT WORKS

Pressure switch is connected to the venturi throat pressure. The Bubble-Up mechanical pump control starts the pump when the pressure drops to 45 PSI. The pump will run constant when the flow is greater than ½ to 1 GPM. When water flow falls below ½ to 1 GPM, water fills the required cycle tank providing a minimum run time before the pump is shut off.

C. INSTALLATION

1. Use only 115 volt outlet for the Bubble-Up mechanical pump control.
2. The bottom 1" schedule 80 union and top 3/4" PEX fittings are to be water tight and secure.
3. Check that the pump is primed before plugging in the Bubble-Up mechanical pump control.
4. The Bubble-Up mechanical pump control is supplied with 115 volt electrical cords. Connect the pump's male power plug into the Bubble-Up mechanical pump control female cord.
5. The pressure switch is factory set to turn the pump on at 45 PSI. To set pressure switch for proper operation see instructions above.

WARNING! Unplug the Bubble-Up mechanical pump control before removing the pressure switch cover.

6. Do not set pressure switch to a shut off pressure greater than the maximum pressure of the pump.
7. Always use the bladder tank provided with the Bubble Up. The pre-charge air pressure in the tank should be at least 2 PSI less than the turn on pressure of the pressure switch.

Internal parts include: 4 - Check Valves, a Nozzle and Throat Assembly, Double Check Valve Retainer and 3 screws.



TECHNICAL DATA

Flow Rate.....14 GPM
 Note: ... **Do not exceed 15 GPM** or low pressure cut out occurs.
 Power source..... 115 Volt AC, 60 Hz, single phase
 HP rating1.5 HP 115 volt
 Operating Pressure Range..... 0 – 75 PSI
 Maximum Allowable Pressure..... 80 PSI
 Maximum Liquid Temperature..... 100°F
 Connection..... 1" SCD 80 union inlet, 3/4" PEX outlet
 Protection Level.....UL Listed Pressure Switch & cords

14 GPM Mechanical Pump Control Parts List	
1. 3/4" X 3/4" W/ Stop ELL-NP	9. Nozzle and Throat (part of repair kit)
2. 1 1/2" X 3/4" Bushing-NP	10. Stainless steel screws (qty. 3)
3. 1 1/2" Bubble-Up Mechanical Pump Control Body	11. 1/4" PVC plug
4. Back Mount Pressure Gauge	12. Male And Female 115 Volt Power Cords
5. 50-70 Low Pressure Cut-out Pressure Switch	13. Power cord connects to pressure switch (qty. 2)
6. 1/4" Nickel plated hex nipple	14. 1" Male X 1 1/2" Male Check Valve
7. Check valve (qty. 4, part of repair kit)	15. 1" PVC SCD 80 Union
8. Stainless steel check retainer (Double)	

