

Bubble-Up Mechanical Pump Control Assembly 7 GPM (Pat. Pend.)

Owner's Manual September 1, 2009

Part Number BUB-075A

For use with only 115 volt Bubble-Up pumps.



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. Tighten the large spring until the pressure switch contacts stay closed at the pumps maximum pressure.
3. While at the maximum pressure, slowly loosen the large spring until the pressure switch contacts open.
4. Then loosen the large spring 2.5 turns to set the pressure switch shut-off at 5 PSI below the maximum pump pressure.

INSTALLATION

1. Use only 115 volt outlet for the Bubble-Up mechanical pump control.
2. The bottom 1" schedule 80 union and top ½" 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. To start the pump, refer to OPERATION below.
6. The pressure switch On – Off pressure is factory set at 50 - 70 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.
7. Do not set pressure switch to a shut off pressure greater than the maximum pressure of the pump.
8. 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.

OPERATION

See setting pressure switch above. To initially start the pump move the lever on the pressure switch to the Start position and hold until the pump builds sufficient pressure to keep the pressure switch contacts closed. The Bubble-Up mechanical pump control starts the pump when the pressure drops to 45-50 PSI. The pump will run normally 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.

LOW-WATER FAILURE RE-START

A low pressure cut-out switch is used to turn off the pump during low pressure or low water. On **flows greater than 10 GPM**, low pressure may occur and also turn off the pump. To re-start the pump from this condition move the lever on the pressure switch to Start and hold the lever until the pump builds sufficient pressure to keep the pressure switch contacts closed. If the pump does not build up pressure, reduce water flow or check the water level in the Bubble-Up tank. Be sure pump is in good working order and is not air bound.

Internal parts include: 2- Check Valves, a Nozzle and Throat Assembly, a Check Valve Retainer and 3 screws.



TECHNICAL DATA

Flow Rate.....7 GPM
 Note: ... **Do not exceed 10 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, ½" PEX outlet
 Protection Level.....UL Listed Pressure Switch & cords

Parts list:	8. Stainless steel check retainer
1. 5/8" X 3/4" W/Stop ELL- NP	9. Nozzle and Throat (part of repair kit)
2. 1 1/4" X 3/4" Bushing NP	10. Stainless steel screws (qty. 3)
3. 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 1/4" Male Increasing Check Valve
7. Check valve (qty. 2, part of repair kit)	15. 1" PVC SCD 80 Union



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