



# Pressure Activated Control System

Submersible Pressure Bell



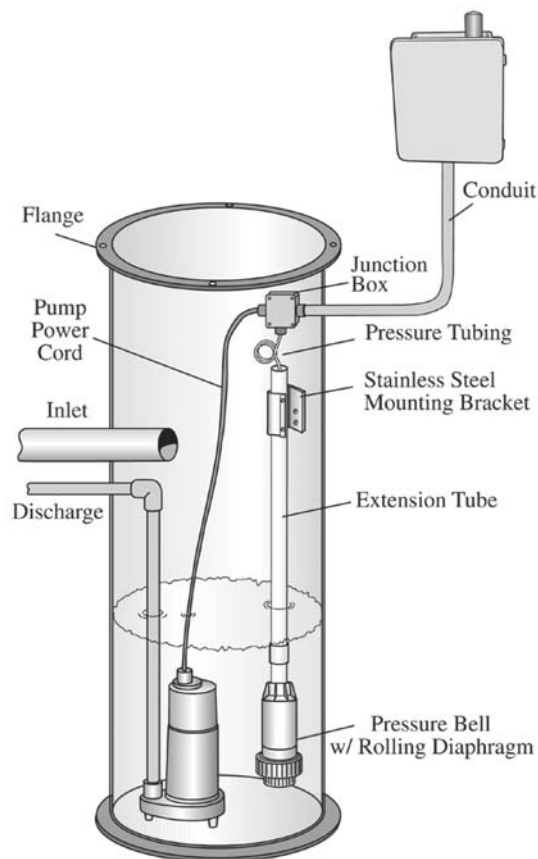
These systems completely replace mercury and mechanical floats and their wires that twist, tangle and foul with floating debris. They also take the place of costly transducers, probes that corrode and other such devices. A huge innovation is that all settings and adjustments are made outside of confined space (basin) and there are absolutely no electrical level system components in wet areas. The foundation of the Pressure Activated Control systems is our proprietary pressure bell. The pressure bell is non-electric and transmits a pressure only signal to the controller. No voltage from the level-sensing device enters the wet well. As the water level rises in the basin, pressure is created in the pressure bell sending an air pressure only signal to the controller. In fact, installation of the pressure bell is as simple as mounting the bell and connecting it to the control panel using the provided 1/4" poly tubing (50 ft comes standard with most systems). Numerous control systems are available utilizing the pressure bell technology ranging from simplex to quadraplex and with the addition of the new Titan Series this technology can be built into virtually any custom panel imagineable.

Poly Tubing



**U.S. Patent # 6,595,051 B1**

## Typical Pressure Bell Installation



## Benefits:

- All Liquid Level and Alarm Settings are Made at the Control Panel Without Entering Confined Space
- Exceeds Intrinsically Safe Class 1 Division 1 Standards
- Not Affected by Grease and Floating Debris
- Not Affected by Turbulent Conditions
- No Power Cords or Electrical Level Controller Components in Wet Areas
- No Cords to Tangle or Adjust
- No Mercury Switches
- No Mechanical Switches to Fail
- No Probes to Corrode
- No Venting Required
- No Electrical Junction Box Connections Required