

Liquid-level Control/Conductivity Probes



WHAT IS A LIQUID-LEVEL CONTROLLER?

The level controller, used with Blackhawk's Anchor Electric Piston Pump®, is an electrical device that turns a pump on and off depending upon the liquid levels

present in the well or sump. Probes within the well or sump are set to desired high and low points between which the pump will operate.

HOW IT WORKS

Quite simply, a liquid's conductive properties complete a circuit and cause a control relay to actuate. Contacts open and close depending upon liquid levels sensed by permanent probes. The level-control panel is located within the pump's control box and is wired to

the power supply, so the level control can send signals that start or stop the pump.

The sensor probes extend downward into the well or sump, with the tip positioned precisely at the level where the control should be activated or stopped.

WHY IT IS IMPORTANT

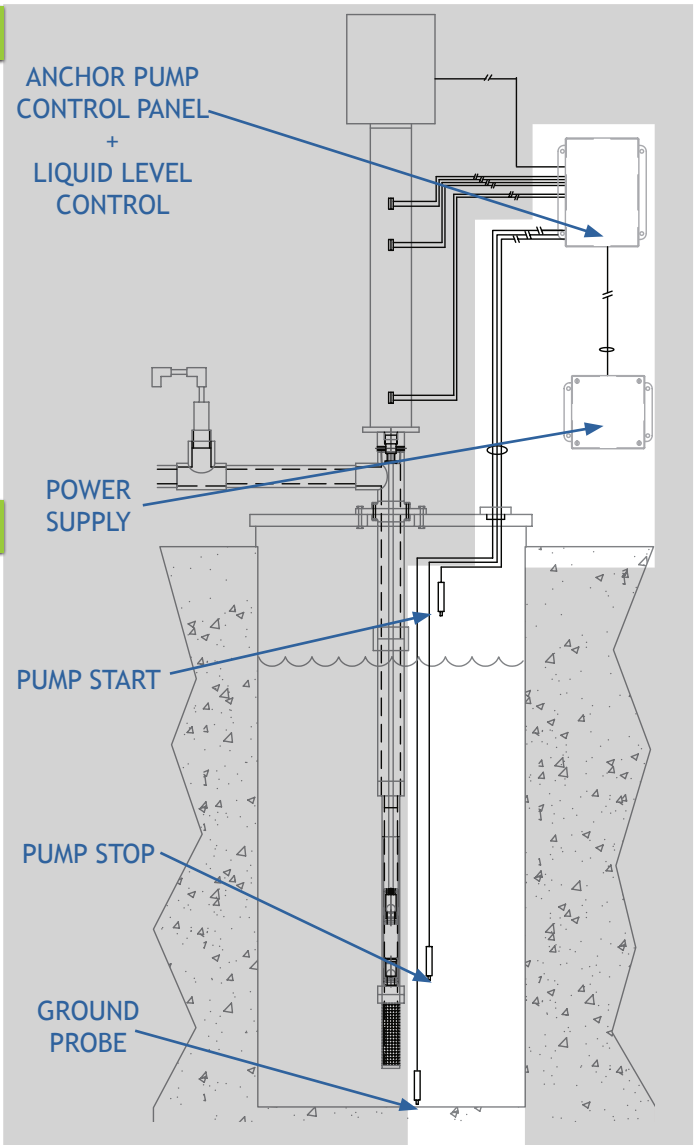
The bottom of a well or sump can contain silt, sand or sludge that can clog the intake or foul the liquid being pumped. Setting the lower probe above that point allows an unrestricted flow. The upper

probe assures the pump will not operate when there is no liquid to pump. The permanently mounted stationary electrodes ensure precise accuracy, repeatability and reliability.



Probes and wires:

Probes are wired to the liquid-level controller and are set by operators at specific start and stop points.



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Fact Sheet #14