



SOLAR POWERED PNEUMATIC PUMP CONTROLLER

Automatically manages air consumption for pneumatic pumps



Blackhawk's solar powered pneumatic pump controller manages air consumption by turning the air supply to the pump ON and OFF based on timer functions or based on input from level sensors in the well or sump. Using solar power means the controller can be installed virtually anywhere. You don't have the expense and maintenance issues of running electricity to your wells. The solar panel charges a maintenance free gel battery that provides reliable, stand-alone power to the internal programmable logic controller that opens and closes an air solenoid valve based on programmable timer functions or external level controls.

CONTROLLER REDUCES AIR CONSUMPTION REQUIREMENTS

The controller can turn one or more pumps ON or OFF based on run time, time of day, day of the week, or liquid level in the well, sump, or holding tank. Air supply to the pneumatic pumps is turned on or off by a solenoid valve activated by the PLC, based on time or input from a pressure transducer or conductivity sensors.

Although Blackhawk pumps can run dry without damaging the pump, the controller manages air consumption—to minimize operating costs while meeting application needs.

ACCEPTS RANGE OF INPUT SIGNALS

The controller can accept signals from a transducer, conductivity probe or float switch, shutting off all pumps connected to the controller.

The controller responds to high and low level signals from conductivity sensors in the well, turning the pump on or off to conserve air while maintaining predetermined liquid levels or to prevent storage tank overfilling.

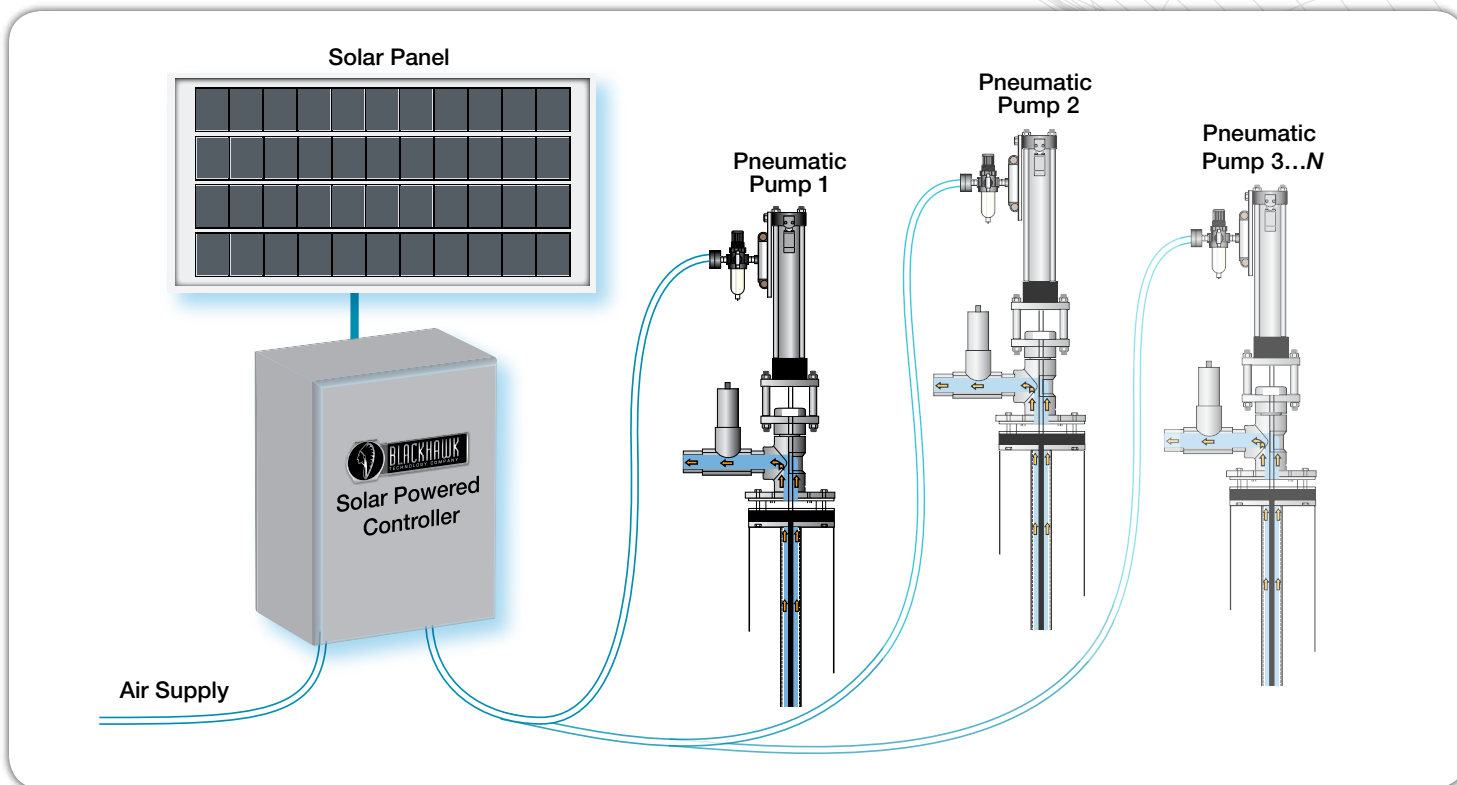


Gel battery, logic controller (above) and air solenoid valve (below).



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CONTROLS MULTIPLE PUMPS

A single panel can control the air supply to multiple pumps. This eliminates the need to use level sensors in every well.

UTILITY POWER OPTION

The controller can be configured to use utility power, when available. The same controller can be provided without a solar panel and without a battery when the utility power option is available and desirable.

ABOUT BLACKHAWK TECHNOLOGY COMPANY

Founded in 1990, Blackhawk Technology Company manufactures the industry's most comprehensive line of electric, pneumatic, and windmill top-head-drive positive displacement piston pumps designed to withstand the harshest outdoor environments and the most rigorous downhole pumping conditions. The Company originated landfill and groundwater remediation piston pumps, and no one offers more real world experience in landfills, petrochemical facilities, and remediation sites.

To learn more, see our customer testimonials and case histories at www.blackhawkco.com.

SPECIFICATIONS

Maximum on/off duration timer setting	99 hours
Continuous battery power	72 hours
Control settings	<ul style="list-style-type: none"> • Run time • Time of day • Day of week
Options	<ul style="list-style-type: none"> • Tank full lockout—float switch • Pump on/off—conductivity probes • Pump on/off—pressure transducer