

Pneumatic Liquid Level Sensor

Controlling a pump automatically for emptying or filling a vessel

Atlas offers an Automatic System to Control Air Operated Diaphragm Pump. One of the major benefits of an Air Operated Diaphragm Pump is its ability to run in areas inaccessible with Electric, either by necessity or design. With this in mind, we have designed a range of equipment which is air driven, these include High Level control, Low Level Control and High & Low Level Control Systems for filling or emptying, with high and a low level monitoring.

It is a very Simple Device having Dip tubes for the setting the level for High/Low Level or High & Low Level Systems. All Pneumatic Liquid Level Sensor, which senses the Liquid Level in a compatible tube located in the tank/barrel and turns on/off the pump accordingly.

The Device will work with almost any fluid in an unpressurised vessel having a non-turbulent surface, and will sense the level within a few millimeters.

Automatic Pneumatic Hi/Lo Control System

The innovative design of the Dual level system monitors the presence of liquid at the dip tube end to turn the pump off (or On).

For Emptying operation ,the end of the dip tube "low" (1) (or end of extension pipe) is placed at the desired low level in the sump and the end of the hose "high" (2) is placed at the high level position. The pump will run until the liquid level is between the high level & low-level dip tubes. It is a very accurate system, sensing the levels within a few millimetres.

An alarm with horn is also available on request.

The following models are available

PLLC-1LNC- The Signal is given when the low level is reached

PLLC-1LNO- The Signal is cut off when the low level is reached

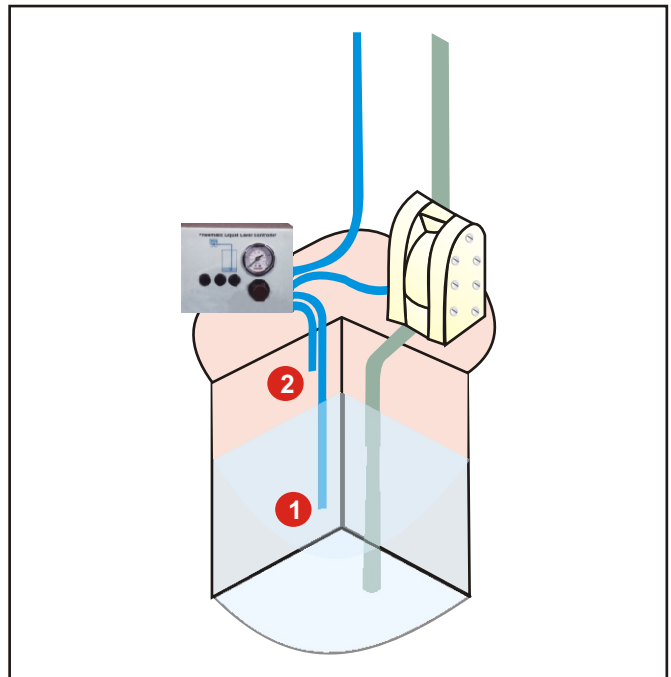
PLLC-2HNC- The Signal is given when the high level is reached

PLLC-2HNO- The Signal is cut off when the high level is reached

PLLC-3NO- The Signal is given when the Level is in between the 2 Dip tubes

PLLC-3NC- The Signal is cut off when the Level is not between the 2 Dip tubes

Also available accessories for the system, Viz- Filter/Regulator, Tubes, Pneumatic Valves etc.



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