



## LLC-2Y Pneumatic Level controller For all series YAMADA pumps

The Yamada LLC-2Y Liquid Level Controller is a totally pneumatic system designed to automatically start and stop Yamada Air-Operated Double Diaphragm Pumps when the liquid level within a tank, sump, etc. reaches predetermined levels.

An extremely versatile controller, the LLC-2Y can be used in both single and dual pump applications with any size or model Yamada Pump.

Used in a single pump configuration, it automatically controls either the filling or emptying of a tank or other vessel. When connecting to two separate pumps, it will control both the filling and emptying of the tank. This dual pump capability is particularly useful for waste water storage, contaminated water clean-up and other applications where liquids are regularly transferred into and out of a single vessel.



### SPECIFICATIONS

<b>Operating Style</b>	Air Operated Style
<b>Setting</b>	NC/NO (Changeable)
<b>Operating pressure range</b>	0.3 - 0.7 MPa
<b>Pilot pressure</b>	Same as operating pressure
<b>Ambient and fluid temperature</b>	Max 50°C
<b>Lubrication</b>	Not required
<b>Impact/Vibration resistance</b>	150/50 m/s <sup>2</sup>
<b>Dimensions</b>	250 mm H x B 247 x C 103 mm
<b>High / Low Dip Tubes</b>	Two 1/4" nylon tubes (6.4mm) Cut to length (6 mtr)
<b>Air Supply Connections</b>	3/8" (9.5mm)
<b>Design Case</b>	Weather resistant enclosure
<b>Weight</b>	2 KG

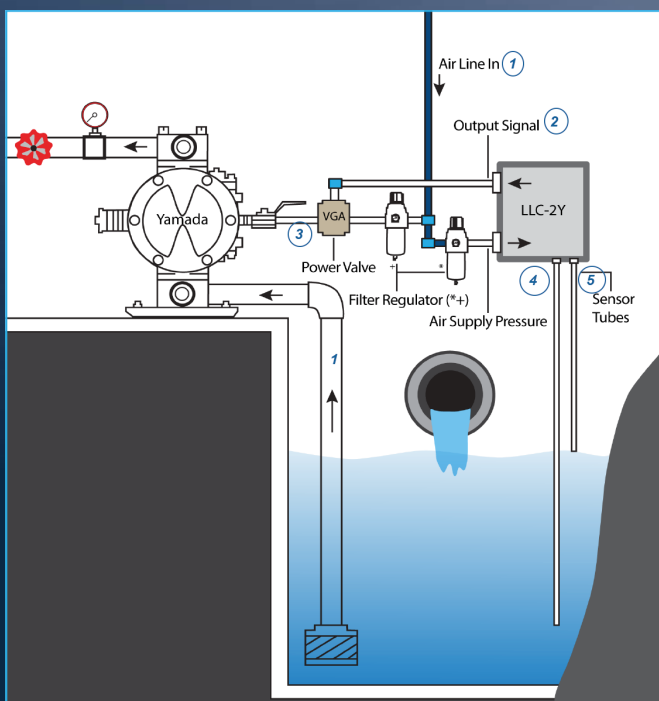
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The LLC-2Y consists of a sophisticated air logic control valve housed in an impact resistant weather resistant fiberglass reinforced plastic enclosure. As the liquid level within the tank rises or falls, the subtle changes in pressure are transmitted through high and low level dip tubes to the air logic control valve. When the liquid level reaches a predetermined level (tubing is cut in the field to the preferred HIGH and LOW level points), the supplying air pressure to the pump is turned ON or OFF as required.

The LLC-2Y can be used to control and maintain liquid levels in virtually any unpressurized vessel. The liquid level control range ranges from a few centimeters to 6 meters. For added convenience, the valve can be mounted up to 6 meters away from the pump.

Please note, the greater the distance from the liquid, the longer the reaction time for the pump to activate and the use of a filter regulator is highly recommended when using a LLC-2Y.



## KEY ADVANTAGES

- **Totally Pneumatic Operation:** Compressed air to operate the pump is all that is required.
- **Broad Control Capabilities:** The LLC-2Y can be utilized with any Yamada Pump to control and maintain a liquid level anywhere from a few centimeters to 6 meters within a tank, sump, etc.
- **Wide Range of Applications:** With different tubing and a wide range of pump materials available, these level systems can be installed virtually anywhere where compressed air is available.

1. Air supply IN (both LLC-2Y & power valve)
2. Control air supply OUT (to power valve).
3. Air supply from power valve to pump
4. Low level sensor tube\*
5. High level sensor tube\*

\*NOTE: Mount sensor tubing a minimum of 2-3\* below the pre-determined level.

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