

LLC – Liquid Level Controllers

For use with liquid nitrogen (LN2)



VBS International supplies a wide variety of liquid level control equipment. The LLC-101 Systems are designed for basic LN2 filling applications. All systems are complete with a liquid level controller and power cable, a LN2 sensor, and a non-vacuum insulated cryogenic solenoid valve with cable. VBSFlex vacuum insulated LN2 transfer hoses can be made to the customer's exact specification.

Product Name (Part No.)	Description	Application
LLC-101-1 (5800) <ol style="list-style-type: none"> 1. Single level sensor 2. Controller with power cord (PN 5803) 3. Cryogenic solenoid valve with 140 μ filter and power cable 4. Diffuser 	<ul style="list-style-type: none"> • Single sensor system • Intended for continuous use in a single vessel • Solenoid valve will open until sensor is immersed in LN2 	<i>Maintaining a constant level bath of LN2 for low evaporation applications</i>
LLC-101-1A (5800.AF) <ol style="list-style-type: none"> 1. Single level sensor 2. Controller with power cord (PN 5803.AF) 3. Cryogenic solenoid valve with 140 μ filter and power cable 4. Diffuser 	<ul style="list-style-type: none"> • Single sensor system • Intended for filling one cycle at a time • Automatic shut off • Once a filling cycle is complete, the system will be disabled; a new filling cycle can be initiated by pressing the start button on the controller 	<i>Hand filling of LN2 dewars or flasks</i> <i>Can be used with optional Dewar Fill Cap</i>
LLC -101-2 (5850) <ol style="list-style-type: none"> 1. Dual level sensor 2. LLC 101-2 Controller with power cord 3. Cryogenic solenoid valve with 140 μ filter and power cable 4. Diffuser 	<ul style="list-style-type: none"> • Dual sensor system • Intended to keep the level between a high and low level (i.e. maintaining a bath of LN2) 	<i>Maintaining a bath of LN2 within a pre-set range</i>

Optional Dewar Fill Cap (PN 6092)



- Use with LLC-101-1A and VBSFlex hose
- Designed to be temporarily installed on top of a hand-held flask
- Incorporated supply line, sensors and vent into one assembly