


# 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"> <li>Single level sensor</li> <li>Controller with power cord (PN 5803)</li> <li>Cryogenic solenoid valve with 140 <math>\mu</math> filter and power cable</li> <li>Diffuser</li> </ol>	<ul style="list-style-type: none"> <li>Single sensor system</li> <li>Intended for continuous use in a single vessel</li> <li>Solenoid valve will open until sensor is immersed in LN2</li> </ul>	<i>Maintaining a constant level bath of LN2 for low evaporation applications</i>
LLC-101-1A (5800.AF) <ol style="list-style-type: none"> <li>Single level sensor</li> <li>Controller with power cord (PN 5803.AF)</li> <li>Cryogenic solenoid valve with 140 <math>\mu</math> filter and power cable</li> <li>Diffuser</li> </ol>	<ul style="list-style-type: none"> <li>Single sensor system</li> <li>Intended for filling one cycle at a time</li> <li>Automatic shut off</li> <li>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</li> </ul>	<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"> <li>Dual level sensor</li> <li>LLC 101-2 Controller with power cord</li> <li>Cryogenic solenoid valve with 140 <math>\mu</math> filter and power cable</li> <li>Diffuser</li> </ol>	<ul style="list-style-type: none"> <li>Dual sensor system</li> <li>Intended to keep the level between a high and low level (i.e. maintaining a bath of LN2)</li> </ul>	<i>Maintaining a bath of LN2 within a pre-set range</i>
	<b>Optional Dewar Fill Cap (PN 6092)</b> <ul style="list-style-type: none"> <li>Use with LLC-101-1A and VBSFlex hose</li> <li>Designed to be temporarily installed on top of a hand-held flask</li> <li>Incorporated supply line, sensors and vent into one assembly</li> </ul>	

Peco Controls - Europe Ltd

+44 (0) 1386 556622

[office@peco-europe.co.uk](mailto:office@peco-europe.co.uk)

<http://www.vbs.peco-europe.co.uk>