

## Options and Accessories

ESS, Inc. offers various options and accessories to help increase productivity.

The dry box desiccator is used when a gaseous nitrogen ( $\text{GN}_2$ ) purge is desired to prevent the formation of condensation or ice on unsealed devices. It is used in conjunction with a high or low pressure  $\text{GN}_2$  purge system. (see below) The desiccator has a removable lid for easy access.



**Dry-Box Desiccator**

The universal hold down clamp is designed to allow quick and flexible attachment of devices to the thermal platform. Good contact between the thermal platform and the device will reduce the time it takes to heat and cool the device.



**Hold Down Clamp**  
Part # 24-0021

The low-pressure nitrogen purge kit is used when the facility supply of gaseous nitrogen ( $\text{GN}_2$ ) is delivered at a reliable pressure of no more than 100 PSI. If facility supply pressure will exceed 100 PSI then use the high-pressure purge kit. The low-pressure kit includes flow control valve, supply hose, and hose connectors.



**Low Pressure Nitrogen Purge Kit**  
Part # 24-0022

The high-pressure nitrogen purge kit includes a pressure regulator with built in flow control. It is used when the facility supply of gaseous nitrogen ( $\text{GN}_2$ ) is delivered at a pressure greater than 100 PSI up to 3000 PSI maximum pressure. The kit includes supply hose and hose connectors.



**High Pressure Nitrogen Purge Kit**  
Part # 24-0023

**Environmental Stress Systems, Inc.**

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The LCO<sub>2</sub> hose is a 6 foot (180cm) long Teflon hose with a stainless steel overbraid for high (900 PSI) or low (300 PSI) LCO<sub>2</sub> supply. There are 1/4" SAE female swivel flare fittings crimped on both ends of the hose. One is used for connection directly to the thermal platform. The other is fitted to a CGA 320 hex nut and nipple assembly including the Teflon sealing gasket for connection to the LCO<sub>2</sub> supply. An optional 90 micron sintered filter can also be ordered and is highly recommended when the LCO<sub>2</sub> 300 PSI supply is used. The hose is insulated with a flexible elastomeric foam cover.



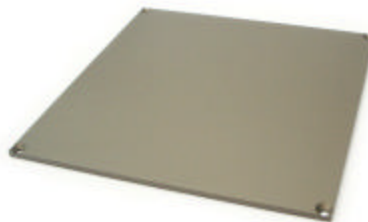
**LCO<sub>2</sub> Supply Hose**  
**Part # 24-0013**

The LN<sub>2</sub> hose is a 6 foot (180cm) long convoluted stainless steel hose with a flexible stainless steel outer armor. It has a 1/2" SAE female swivel flare TIG welded to each end for connection to the solenoid valve on the thermal platform and to the LN<sub>2</sub> supply. The hose is insulated with a flexible elastomeric foam cover. Vacuum insulated flexible stainless steel LN<sub>2</sub> supply hoses are also available upon request.



**LN<sub>2</sub> Supply Hose**  
**Part # 24-0016**

The adapter plate is designed to allow the user to produce dedicated test fixtures without having to alter the thermal platform itself. The adapter plate can be easily and quickly modified by the addition of threaded holes, slots, alignment pins or any other feature to assist in device testing.



**Adapter Plate**

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