

Liquid Level Control and Temperature Monitoring

Equipment for LN2 Management & Security

LC 200 Level Controller Kit (Part Number 9701042)

Can be used with **Biostor**, **Open Dewars** and **other applications** such as cold traps. The kit is supplied complete with control box, sensors, dual solenoid valves, all electrical connections and pipes with flexible delivery hose. Designed to be used with Biostor 12 and 24 models to convert to automatic operation when used with a Cryostor vessel as a reservoir, the LC 200 is supplied with a power source for mains operation.



Cryoguard with Datalogger

(Part Number 9701321)

Can be used with **Biostor**, **Biorack**, **Biotrek** and **Bio** models. Battery operated, this unit can be independently mounted on any of the Biostor, Biorack, Biotrek or Bio Series containers to provide a continuous watch on the refrigerator's condition. An alarm will sound if pre-specified temperature limits are transgressed. Additionally, a logged record of temperature at pre-specified intervals is maintained which can be downloaded to a PC. This unit is battery operated but can also be mains operated with a suitable power source.

Low Level Alarms

(Part number 9702000) Battery-operated
(Part Number 9702041) Mains-operated

These units can be used with **Bio**, **Biorack** and **Biostor**, battery or mains operated models.

Battery or mains operated these units are supplied with control box and adjustable probe fitted in a protective tube specially mounted in the neck plug of the vessel. When the level of liquid nitrogen falls more than 2 or 3mm below the set position of the probe, both visual and audible alarms are activated.



Autodialler Unit

Mains operated with auto charged battery back up (Part Number 9702160)

Can be used with **Low Level Alarm** (Mains model), **Cryoguard Datalogger** (when mains powered) and **all Biosystem** models. The Autodialler unit connects to an output port on any of the above models and receives a signal in the event of an 'alarm' condition. The Autodialler will then make a telephone connection to three numbers until an answer is received and a pre-recorded message is played.

Cryogenic Accessories

Additional Basic Equipment

Hoses

Flexible stainless steel liquid nitrogen delivery hoses with 150mm reinforcement protection at each end. Supplied in three standard lengths with one end male fitting and other end with 'bull nose' connection fitting with running connector nut.

- 1/2" BSP x 1.2m long. (Part number 3701006)
 - 1/2" BSP x 1.5m long. (Part number 3701004)
 - 1/2" BSP x 2.0m long. (Part number 3701002)
- Special lengths and end connections available on request.



Adaptors

Basic adaptor fittings to provide solutions to most situations.

- 1/2" BSPTM to CGA295. (Part number 1201382)
- 3/8" NPTM to 1/2" BSPPM Cone face to suit standard hose. (Part number 1201372)
- 1/2" BSPTM to 1/2" BSPPM Cone face to suit standard hose. (Part number 1401092)
- 1/2" BSPP socket. (Part number 1201245)



Dispensing Lance with phase separator and anti splash shield (Part number 9701262)

Connects to the 'female' end of a standard hose and is used for filling dewars and small refrigerators from a low pressure Cryostor unit.



In line safety relief valve assembly (Part number 9911009)

An essential safety item that must be fitted with any pipe or hose where it is possible for liquid nitrogen to become trapped.

Cryogenic Ball Valve 1/2" (Part number 1701003)

Brass with chromium plated finish and modified for cryogenic applications.

Sealed cell foam rubber pipe Insulation

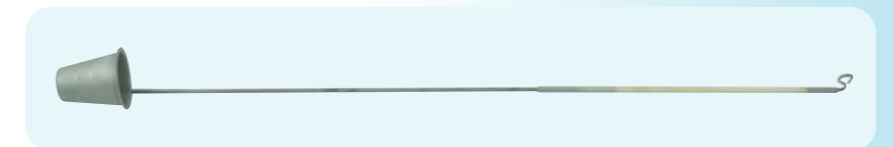
In 2 meter lengths in 2 sizes: 'small' to suit standard hose (Part number 7401028): 'large' for second layer (Part number 7401071)

Stainless steel baskets

Various sizes available for immersion applications.

Dermatology 'dipper'

Small (10ml) stainless steel ladle with long handle (500mm) for liquid nitrogen (Part number 9701017).



Level Measuring sticks

2 lengths available: 0-50cms (Part number 9701009) and 0-100cms (Part number 9701012)