

# CRYOPRESERVATION EQUIPMENT

## LAB SERIES –LIQUID DEWARs

### KEY PRODUCT FEATURES AND BENEFITS

- 4 to 50 litre liquid nitrogen capacity
- Easy maintenance lid design
- Superior strength
- Lightweight aluminium construction
- Low liquid nitrogen loss
- Can be fitted with pressurised dispensing devices



### PRODUCT DESCRIPTION:

The MVE Lab Series of cryogenic liquid dewars are named for their acceptance in laboratories and medical facilities worldwide. These high-efficiency, super insulated dewars are the most convenient, economical way to store and dispense liquid nitrogen.

**Suitable for Dermatology Applications** - Many Lab units can be fitted with pouring spouts, pressurised dispensing devices or dippers to aid in the transfer of liquid nitrogen.

**Wide range of sizes** - there are six versions of the MVE Lab dewar ranging from a liquid nitrogen capacity of 4 litres to 50 litres to meet all your differing needs.

**Lower Lifetime Costs** - The unique design of the MVE Lab range with its high strength neck tube, advanced chemical vacuum retention systems and advanced insulation system all provide maximum thermal performance which reduces liquid nitrogen boil off minimising your liquid nitrogen consumption.

**User Friendly Features** - The Lab series have an easy maintenance lid design and a lightweight aluminium construction.

**Warranty** - There is a **5 year vacuum warranty**. Chart MVE products have a rugged design, high quality welds and advanced vacuum technology.

**CryoService Deliver a Total Solution** - to meet a wide variety of Cryopreservation requirements. This includes liquid gases and associated storage vessels, super insulated vacuum transfer pipelines, the best liquid nitrogen vapour storage freezers on the market, oxygen depletion systems and business management outputs – a total package from one provider. The Chart MVE range extends from a broad line of liquid and vapour phase freezers for straw, ampoule & blood bag storage to lightweight aluminium shippers and Dewars.

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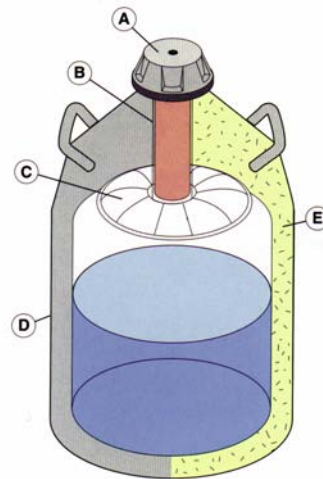
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## LAB SERIES – LIQUID DEWARs

### DETAILED SPECIFICATION

Model Name	Lab 4	Lab 5	Lab 10	Lab 20	Lab 30	Lab 50
<b>NET CAPACITY (Litres)</b>	4	5	10	20	32	50
<b>PERFORMANCE</b>						
Static Evaporation Rate (litres/day)*	0.19	0.15	0.18	0.18	0.22	0.49
<b>UNIT DIMENSIONS</b>						
Overall Height (mm)	426	462	546	622	610	775
Outside Diameter (mm)	185	222	260	368	432	432
Neck Opening (mm)	35	56	56	51	64	64
Useable Height (mm)	198	266	343	348	378	559
Internal Diameter (mm)	139	165	210	289	356	356
Weight Empty (kg)	2.7	4	5.4	9	11.4	14
Weight Full (kg)	6	8	14	25	37.2	54.4

- A Easy maintenance lid design
- B High strength neck tube reduces liquid nitrogen loss
- C Advanced Chemical Vacuum Retention System - designed for superior vacuum performance
- D Superior strength, lightweight aluminium construction
- E Insulation - MVE's advanced insulation system provides maximum thermal performance



Conforms to MDD 93/42/EEC, the Medical Device Directive for the EU.

### ACCESSORIES:

The following accessories are available to compliment the Lab Series range.

- Transfer Hose
- Phase Separator
- Pouring Spout
- Swivel Dipper
- Spare Corks
- Manual Discharge Device
- Caster Base