

POLARIS SERIES

BioStorage Vessels



The next generation in BioStorage vessels

Unlike traditional cryogenic storage that immerses samples in liquid nitrogen, or vapour storage systems where samples are housed above a liquid reservoir, Polaris is a truly dry system. A nitrogen jacket surrounds the sides and base of a central chamber creating a dry system and ensures temperature uniformity. Available in five storage sizes, the largest can store up to 107,100 vials.



Temperature
control



Dry storage
chamber

5

Storage
Sizes



Graphic
Display

Technical Specifications

FEATURES

- IoT compatible using bluetooth/ wireless integration
- Patented dry storage system offers true separation of samples in a separate inner chamber
- LN₂ stored in sides of chamber as well as the bottom to ensure optimal cold temperatures throughout the storage chamber
- Vessel controlled by integrated temperature and level measurements for optimal user control
- Approved for Medical Devices Directive (Directive 93/42/EEC)
- Easy grip turntable
- Hinged and Lockable lid
- Flat table top for ease of working
- Integrated folding double step on larger vessels

POLARIS MODELS (CV-P)	8	13	23	50	94
LN ₂ Capacity – Litres	30	55	86	168	314
Overall Height – Inc Electronics (mm)	1480	1341	1403	1893	1950
Internal Usable Height (mm)	765	790	790	900	900
Outside Diameter (mm)	540	761	931	1175	1548
Internal Usable Diameter (mm)	415	620	787	1029	1400
Neck Diameter (mm)	415	260	335	448	650
Height to Neck Rim (mm)	1215	1334	1395	1549	1617
Shipping Weight – Empty (kg)	94	223	377	516	855
**Weight – Full (kg)	159	280	446	625	1109
Vial Capacity 2ml	5200 / 7644 *	12350	23400	51000	94500
Step	N/A	Option Single Hook on	Option Single Hook on	Double Folding	Double Folding

Contact us

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Notes

- * 7644 Vial (2ml) Capacity required Pie/Wedge Shaped Towers
- ** Maximum Weight is determined without samples