

**STATEBOURNE**

**cryogenics**

# *Cryostor Series*

Automatic pressure regulator

Stainless Steel Construction

5 Year Vacuum Warranty

Twin fill/decant valves

Heavy Duty Castors

Electronic Indicator

Tow Bar handles

Liquid Storage

PED Compliant

Up to 3 Bar G

97/23/EC

Safe



*Cryogenic innovation & technology  
you can trust...*

# Cryostor Series

The Cryostor Series is the latest innovation in high performance cryogenic liquid storage for the laboratory with units available from 30 to 500 litres capacity.

Stainless steel construction provides the durability to safely withstand the harshest working environments while offering lower evaporative losses when compared to traditional "liquid cylinders".



All Cryostors are equipped with a safety dispensing head incorporating fill, vent and dispense valves, safety reliefs, pressure gauge and an integral pressure build vapouriser with automatic pressure regulation.

Additionally, all units are equipped with an electronic level gauge which gives an accurate reading of dewar contents at the push of a button.



## Low Pressure LN2 Dewars.

For mobility, all Cryostors up to 300 litres are fitted with heavy-duty castor wheels and the larger units (180, 240 and 300 litre sizes) are equipped with a pull-along towbar handle.

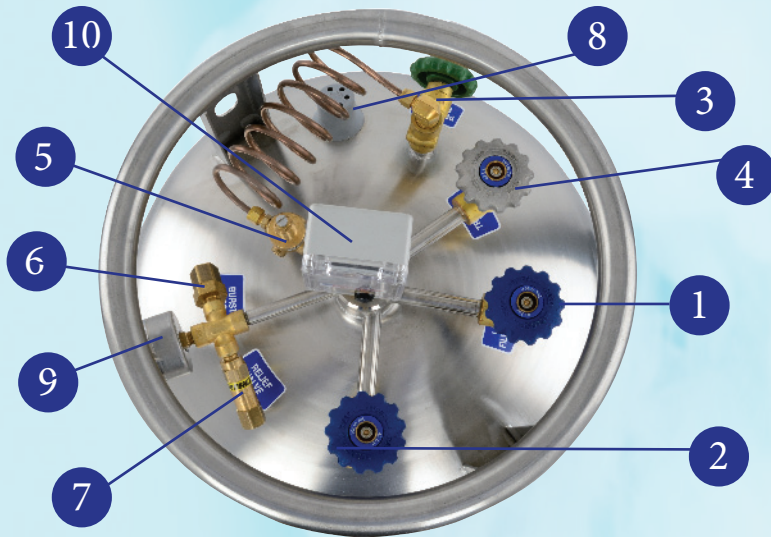


## Product Features

- 7 models, from 30 litres to 500 litres capacity.
- All welded stainless steel construction.
- All models equipped with heavy-duty castors up to 300 litre size. The 400 and 500 have a pallet truck base.
- Tow-Bar handles (180 to 300 litre models).
- Automatic pressure build circuit fitted.
- Colour-coded, labelled valves for easy identification.
- Twin liquid fill/decant valves as standard.
- Electronic contents indicator fitted.
- 5 YEAR VACUUM WARRANTY



# Cryostor Head Arrangement and Technical Data



1. Liquid Fill/Decant
2. Liquid Fill/Decant
3. Pressure Raising
4. Trycock Gas Vent
5. Pressure Regulator
6. Bursting Disc
7. Relief Valve
8. Vacuum Port
9. Pressure Gauge
10. Contents Gauge

## Technical Data

MODEL	Cryostor 30	Cryostor 60	Cryostor 90	Cryostor 120	Cryostor 180	Cryostor 240	Cryostor 300	Cryostor 400	Cryostor 500
<b>PART NUMBER</b>	<b>9911025</b>	<b>9911037</b>	<b>9911045</b>	<b>9911065</b>	<b>9911075</b>	<b>9911087</b>	<b>9911089</b>	<b>9911290</b>	<b>9911300</b>
Capacity (litres)	30	60	90	120	180	240	300	400	500
Evaporation Rate (%/day)	3.5 <sup>1</sup>	2.0 <sup>1</sup>	1.4 <sup>1</sup>	1.2 <sup>1</sup>	0.9 <sup>1</sup>	0.7 <sup>1</sup>	0.75 <sup>1</sup>	0.5	0.6
Design Code	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE	PD:5500 CE
Weight Empty (Kg)	50	65	80	98	124	140	167	228	286
Weight Full LN2 (kg)	75	114	153	195	269	334	410	551	690
M.A.W.P.(barG)	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>	3 <sup>2</sup>
Base Diameter (mm) Footprint dimensions	540Ø	620Ø	620Ø	720Ø	720Ø	690sq <sup>4</sup> .	814Ø	784sq <sup>4</sup> .	820sq <sup>4</sup> .
Overall Height (mm)	786 <sup>3</sup>	900 <sup>3</sup>	1083 <sup>3</sup>	1122 <sup>3</sup>	1378 <sup>3</sup>	1645 <sup>3</sup>	1439 <sup>3</sup>	1685 <sup>3</sup>	1938 <sup>3</sup>
1.2 Metre Flexible Hose Part Number	3701006	3701006	3701006	3701006	3701006	3701006	3701006	3701006	3701006
1.5 Metre Flexible Hose Part Number	3701004	3701004	3701004	3701004	3701004	3701004	3701004	3701004	3701004
Phase Separator Part Number	9701090	9701090	9701090	9701090	9701090	9701090	9701090	9701090	9701090
1/2" BSP to CGA 295 Male to Female	1201382	1201382	1201382	1201382	1201382	1201382	1201382	1201382	1201382

1. Measured at atmospheric pressure.

2. A 1.5 BarG relief valve is fitted as standard, this can be replaced with a 3 BarG version on request.

3. Measured from floor to top of protective ring cover.

4. The Cryostor 240, 400 & 500 have square bases for added stability.

5. All Cryostors are supplied with 1/2" BSP outlets. Alternative outlet sizes/threads are available on request.

In the interest of our continued product improvement, Statebourne reserve the right to amend the specification of our products.

Please see our accessories pdf for a full range of adapters and hoses.

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