Stainless Steel Construction
Twin fill/decant valves
Tow Bar handles
Electronic Indicator
Heavy Duty Castors
Liquid Storage
PED Compliant
Up to 3 Bar G
Safe
5 Year Vacuum Warranty
Automatic pressure regulator
97/23/EC
Cryostor Series

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

97/23/EC
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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Cryostor 30</th>
<th>Cryostor 60</th>
<th>Cryostor 90</th>
<th>Cryostor 120</th>
<th>Cryostor 180</th>
<th>Cryostor 240</th>
<th>Cryostor 300</th>
<th>Cryostor 400</th>
<th>Cryostor 500</th>
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<tbody>
<tr>
<td>PART NUMBER</td>
<td>9911025</td>
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<tr>
<td>Capacity (litres)</td>
<td>30</td>
<td>60</td>
<td>90</td>
<td>120</td>
<td>180</td>
<td>240</td>
<td>300</td>
<td>400</td>
<td>500</td>
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<tr>
<td>Evaporation Rate (%/day)</td>
<td>3.5¹</td>
<td>2.0¹</td>
<td>1.4¹</td>
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<td>0.7¹</td>
<td>0.75¹</td>
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<tr>
<td>Weight Empty (Kg)</td>
<td>50</td>
<td>65</td>
<td>80</td>
<td>98</td>
<td>124</td>
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<td>167</td>
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<td>Weight Full LN2 (kg)</td>
<td>75</td>
<td>114</td>
<td>153</td>
<td>195</td>
<td>269</td>
<td>334</td>
<td>410</td>
<td>551</td>
<td>690</td>
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<tr>
<td>M.A.W.P.(barG)</td>
<td>3²</td>
<td>3²</td>
<td>3²</td>
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<tr>
<td>Base Diameter (mm)</td>
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<td>6200</td>
<td>6200</td>
<td>7200</td>
<td>7200</td>
<td>690sq⁴</td>
<td>690sq⁴</td>
<td>8140</td>
<td>784sq⁴</td>
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<td>Footprint dimensions</td>
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<td>690sq⁴</td>
<td>690sq⁴</td>
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<td>784sq⁴</td>
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<td>Overall Height (mm)</td>
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<td>1.5 Metre Flexible Hose Part Number</td>
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<tr>
<td>1/2&quot; BSP to CGA 295 Male to Female</td>
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</table>

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" BSPPF 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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