

Transportable cryogenic supply solutions



Dewar and flasks

Only custom-designed cryogenic equipment should be used to handle cryogenic products. Dewars and flasks are designed for handling small quantities of cryogenic liquid nitrogen. BOC has selected a range that performs to extremely high standards of both quality and safety. Open flasks, non-pressurised dewars, a range of suitable personal protective equipment, gas monitors and accessories are available for purchase or rental.



Portable Cryogenic Containers

Portable Cryogenic Containers (PCCs) are portable super insulated containers for the transport and storage of cryogenic liquids, and for the dispensing of their contents in either liquid or gaseous form.

BOC offers a wide range of PCCs. These vessels come in a range of sizes, pressures and flow rates to meet customers’ varying requirements.



Transportable cryotanks

Transportable cryotanks represent the leading edge in small foot print, high volume transportable liquid supply.

The framed vessels can be forklifted or craned into place. They can easily be transported over water and meet with the most stringent of shipping codes.

When onsite they can be easily used in your application to supply oxygen, nitrogen or argon in either liquid or gaseous form making them ideal for applications where higher volume liquid supply is required.



Cryogenic ISO

Cryogenic ISO tanks can supply liquid oxygen, argon, nitrogen and carbon dioxide. ISO tanks allow for the easy distribution of large volumes of cryogenic liquids. They are ideal for applications that require temporary usage, are geographically isolated or for pilot-plant trials. They are easily transported by rail, road and sea, ensuring product can be delivered to almost any location in Australia and New Zealand.



Specialised product delivery

Product replenishment is either a “full for empty” swap or the packages can be filled in situ via BOC’s CRYOSPEED® specialised delivery offer. CRYOSPEED® deliveries are done using a compact microbulk delivery tanker making deliveries possible on most sites. Deliveries can be tailored to minimise disruption to your site and process.

Specifications

Product	Open Neck Dewars	Low Pressure PCC 160	High Pressure PCC 160	Low Pressure PCC 230	High Pressure PCC 230	Low Pressure Transportable Cryotanks	High Pressure Transportable Cryotanks	Cryogenic ISO
Empty mass (kg)		208**	208**	179	179	745	745	9000**
Water capacity (L)	3.9 - 50	176	176	240	240	1000	1000	20000**
Footprint (mm)		890x690**	890x690**	730x730	730x730	1160x1160	1160x1160	6100x2500**
Height (mm)		1900**	1900**	1443	1443	2030	2030	2800**
Cylinder diameter (mm)		508**	508**	660	660	1077	1077	
Gas delivery rate (Sm ³ /hr)*		7	7	11	11	25	25	
Nitrogen								
Product code	713CRYO	719CRYO PCC160L	719CRYO PCC160H	719CRYO PCC230L	719CRYO PCC230H	719CRYO VIE800TL	719CRYO VIE800T	
Maximum supply pressure (kPa)		150	2413	150	2413	150	1800	
Net contents (Sm ³)*		107.9	103	150.05	131.51	501	501	
Net contents (kg)		127.9	122.1	177.85	156	594	594	
Net contents (L)*		158.6	151.4	220.5	193.3	735	735	
Gross mass (kg)		341	327	335	335	1339	1339	
Fill in situ supply	✓	✓		✓		✓	✓	
Full for empty supply	✓	✓	✓	✓	✓	✓	✓	✓
Argon								
Product code			734CRYO PCC160H		734CRYO PCC230H		731CRYO VIE800T	
Maximum supply pressure (kPa)			2413		2413		1800	
Net contents (Sm ³)*			117		160		615	
Net contents (kg)			198		271		1120	
Net contents (L)*			165		230		800	
Gross mass (kg)			325		450		1865	
Fill in situ supply							✓	
Full for empty supply			✓		✓		✓	✓
Oxygen								
Product code							686CRYO VIE800T	
Maximum supply pressure (kPa)							1800	
Net contents (Sm ³)*							628	
Net contents (kg)							865	
Net contents (L)*							758	
Gross mass (kg)							1610	
Fill in situ supply							✓	
Full for empty supply							✓	✓
Carbon Dioxide								
Product code								
Maximum supply pressure (kPa)								
Net contents (Sm ³)*								
Net contents (kg)								
Net contents (L)								
Gross mass (kg)								
Fill in situ supply								
Full for empty supply								✓

* At 15°C and 101.33kPa ** Indicative

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