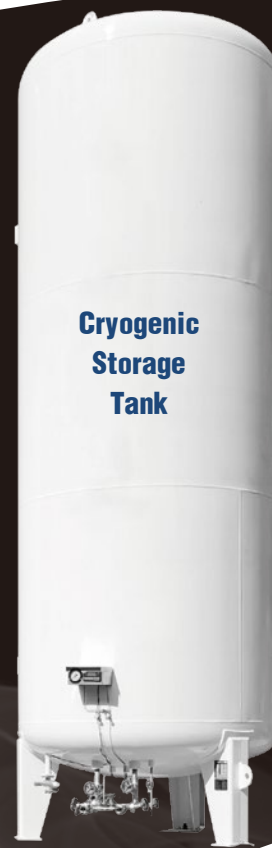


Bulk Storage Tank

The unique internal heat insulation structure design and advanced vacuum pumping technology can ensure long-lasting vacuum life of the storage tank. The innovative modular piping system is used to ensure that the static evaporation rate of the storage tank is better than the industry standard requirements.



- Applicable medium: LO₂, LN₂, LAr, LNG, LCO₂
- Working pressure: 0.2-3.0 MPa
- Insulation: vacuum powder, multi-layer winding high vacuum insulation

Features

- Long design service life up to 20 years
- Compact structure
- Manufactured in strict accordance with national standards:
GB150-2011: Pressure Vessels;
JB4730-2005: Nondestructive Testing of Pressure Vessels;
JB/T4711-2003: Pressure Vessel Coating and Transport Packaging;
GB18442-2011: Stationary Vacuum Insulated Cryogenic Pressure Vessel
- Easy to operate and convenient to maintain

Specification

Model	CFC-3/0.8		CFC-5/0.8		CFC-10/0.8		CFC-15/0.8	
Parameters	Inner container	Jacket layer	Inner container	Jacket layer	Inner container	Jacket layer	Inner container	Jacket layer
Working pressure (Mpa)	0.8	0.1	0.8	0.1	0.8	0.1	0.8	0.1
Designed pressure (Mpa)	0.84	0.1	0.84	0.1	0.84	0.1	0.84	0.1
Operating temperature (°C)	-196	0-50	-196	0-50	-196	0-50	-196	0-50
Designed temperature (°C)	-196	50	-196	50	-196	50	-196	50
Storage medium	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite
Main material	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R
Full volume (m ³)	3.16	6.2	5.26	8.23	10.56	12.44	15.83	16.12
Loading coefficient	95%	100%	95%	100%	95%	100%	95%	100%
Effective volume (m ³)	3	6.2	5	8.23	10	12.44	15	16.12
Cylinder thickness (mm)	5	6	5	6	6	6	6	6
Head thickness (mm)	6	8	5	8	7	8	7	8
Weight (kg)	~2895		~3648		~5650		~7373	
Overall dimensions (OD × H)	DN1200/DN1800×4580		DN1400/DN2000×5165		DN1800/DN2400×6035		DN1900/DN2500×7450	
Container type	class II		class II		class II		class II	
Form of installation	Vertical		Vertical		Vertical		Vertical	
Designed life (years)	20		20		20		20	
Liquid level meter	Electric digital display level meter							
Inlet/outlet valve	Dual valve design							
Pressure building device	Yes							
Standard	GB150-2011 (Pressure Vessels); JB4730-2005 (Nondestructive Testing of Pressure Vessels); JB/T4711-2003(Pressure Vessel Coating and Transport Packaging); GB18442-2011 (Stationary Vacuum Insulated Cryogenic Pressure Vessel)							

Specification

Model	CFC-3/1.6		CFC-5/1.6		CFC-10/1.6		CFC-15/1.6	
Parameters	Inner container	Jacket layer	Inner container	Jacket layer	Inner container	Jacket layer	Inner container	Jacket layer
Working pressure (Mpa)	1.6	0.1	1.6	0.1	1.6	0.1	1.6	0.1
Designed pressure (Mpa)	1.68	0.1	1.68	0.1	1.68	0.1	1.68	0.1
Operating temperature (°C)	-196	0-50	-196	0-50	-196	0-50	-196	0-50
Designed temperature (°C)	-196	50	-196	50	-196	50	-196	50
Storage medium	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite	LN ₂ , LO ₂ , LAr	Perlite
Main material	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R	O6Cr19Ni10	Q245R
Full volume (m ³)	3.16	6.2	5.26	8	10.53	11.8	15.8	16.2
Loading coefficient (%)	0.95	1	0.95	1	0.95	1	0.95	1
Effective volume (m ³)	3	6.2	5	8	10	11.8	15	16.2
Cylinder thickness (mm)	7	6	8	6	10	6	10	6
Head thickness (mm)	8	8	9	8	12	8	12	10
Weight (kg)	~3050		~4081		~6454		~8772	
Overall dimensions (OD × H)	DN1200/DN1800×4580		DN1400/DN2000×5145		DN1800/DN2400×5950		DN1800/DN2400×8020	
Container type	class II		class II		class II		class II	
Form of installation	Vertical		Vertical		Vertical		Vertical	
Designed life (years)	20		20		20		20	
Liquid level meter	Electric digital display level meter							
Inlet/outlet valve	Dual valve design							
Pressure building device	Yes							
Standard	GB150-2011 (Pressure Vessels); JB4730-2005 (Nondestructive Testing of Pressure Vessels); JB/T4711-2003(Pressure Vessel Coating and Transport Packaging); GB18442-2011 (Stationary Vacuum Insulated Cryogenic Pressure Vessel)							