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Founded in early 2008 Beijing Tianhai Cryogenic Equipment Co., Ltd. is an international operating company, which manufactures tanks and equipment for liquid industrial gases, CO2 and LNG. With international qualified and experienced work force and wide range of machinery and equipment BTCE can produce according to the requirement of the national and international standards for high quality products. We are certified according to ISO 9001:2000, Chinese Pressure Vessel Code and 97/23/EC PED (Pressure Equipment Directive), Australia/New Zealand AS1210 etc.

BTCE provides a wide range of products like tanks with capacities from 3m³ to 500m³ vertical / horizontal bulk tanks; 5m³ to 50m³ trailers and IMO containers at different working pressures.

成立于2008年初的北京天海低温设备公司是一家国际化，专业生产大型液化空气、液化天然气、液体二氧化碳等低温贮、运设备的制造公司，公司具备国际化认证和国际化运作管理经验及产品品种范围广泛的设备加工能力。北京天海低温设备有限公司能够按国内、外标准制造高质量的产品，我们取得了ISO9001:2000证书、中国压力容器制造许可证、欧盟压力容器证书等。

北京天海低温设备公司根据用户要求提供不同压力等级，容积为3m³至350m³的固定立式或卧式低温贮罐；5m³至50m³汽车罐车及IMO罐式集装箱，产品分别按中国压力容器标准，欧盟ADM和97/23/EC PED，澳大利亚/新西兰AS1210等标准设计制造。



北京天海低温设备公司VI/HT系列贮罐是专为储存液化空气，如液氧、液氮、液氩、等深冷液体设计的立式 / 卧式固定珠光砂真空粉末绝热压力容器。贮罐的容积为5立方米至100立方米，最高容许工作压力为0.8至1.6Mpa,可按中国压力容器标准，AD2000-Merblatt, 欧盟EN、97 / 23 / EC PED, 澳大利亚 / 新西兰AS1210等标准要求设计制造。

BTCE VT/HT tanks are designed for liquefied air gas, including nitrogen, oxygen and argon, which are vertical or horizontal stationary pressure vessels with vacuum perlite insulation. The VT/HT standard tanks are available in capacities from 5m³ to 100m³ with maximum allowable working pressure from 8 to 16 bar and designed according to Chinese Code, AD2000-Merblatt, EN Code and 97/23/EC PED (Pressure Equipment Directive), Australia/New Zealand AS1210 etc.



VT/HT标准工业气体储罐

VT/HT STANDARD INDUSTRY GAS TANKS

型号 Model	几何容积 Gross Volum(m ³)	有效容积 Net Volum(m ³)	高度/长度 Height/length(m)	直径 Diameter(m)	日蒸发量-氧 (%/日) NER O ₂ (%/day)	最大允许工作压力 MAWP(MPa)
VT/HT10	10.5	10	6.00	2.2	0.27	0.8~1.7
VT/HT15	15.8	15	8.08		0.23	
VT/HT20	21.1	20	10.10		0.21	
VT/HT25	26.3	25	12.20	2.5	0.2	
VT/HT30	31.6	30	10.85			
VT/HT35	36.8	35	12.65	3.0	0.19	
VT/HT40	42.1	40	9.900			
VT/HT50	52.6	50	11.97			
VT/HT60	63.1	60	13.85	3.6	0.18	
VT/HT80	84.2	80	13.24			
VT/HT100	105.3	100	16.04			0.16

注：1.所有型号可以根据用户要求提供不同压力和容积的特殊设计；2.所有型号可以可以提供虹吸罐；3.以上技术参数更新前不做更改通知。

NOTE:1.Special design for pressure and volume are available on special request.2.Thermosiphon tanks are available for all models.3. Design and specification are subject to change without prior notice.

超大型低温储罐
SUPER LARGE TANKS

型号 Model	几何容积 Gross Volum(m ³)	有效容积 Net Volum(m ³)	高度/长度 Height/length(m)	直径 Diameter(m)	日蒸发量-氧 (%/日) NER O ₂ (%/day)	最大允许工作压力 MAWP(MPa)
VT(N)/HT(N)150	157.9	150	23	3.6	0.15	0.2~3.5
VT(N)/HT(N)200	210.5	200	23	4.3	0.13	
VT(N)/HT(N)250	263.2	250	28		0.12	
VT(N)/HT(N)300	315.8	300	33		0.11	
VT(N)/HT(N)350	368.4	350	36			

注：1.所有型号可以根据用户要求提供不同压力和容积的特殊设计；2.以上技术参数更新前不做更改通知。

NOTE:1.Special design for pressure and volume are available on special request.2. Design and specification are subject to change without prior notice.



北京天海低温设备公司超大型储罐是专为储存液化空气，如液氧、液氮、液氩、液化天然气（LNG）等深冷液体设计的立式或卧式固定珠光砂真空粉末绝热压力容器。储罐的容积从150立方米至350立方米，最高容许工作压力为0.2-3.5Mpa，可按中国压力容器标准，德国AD2000—Merkblatt, 欧洲EN、97/23/EC PED, 澳大利亚 / 新西兰AS1210等标准要求设计制造。

BTCE super large tanks are designed for liquefied air gas, including Nitrogen, Oxygen and Argon; Liquid Natural Gas which are vertical or horizontal stationary pressure vessels with vacuum perlites from 150m³ to 350m³ weith with maximum allowabel working pressure from 2 to 37 bar and designed according to Chinese Code, AD2000-merkblatt, EN code and 97/23/EC PED(Pressure Equipment Directive), Australia/New Zealand AS1210 etc.



北京天海低温设备公司VTC/HTC储罐是专为贮存液体二氧化碳设计的立式 / 卧式固定珠光砂真空粉末绝热压力容器。储罐的容积为10立方米至70立方米，最高容许工作压力为2.2至2.5MPa，内胆材料为碳钢或不锈钢，按中国压力容器标准，德国AD2000—Merkblatt, 欧盟EN、97/23/EC PED, 澳大利亚 / 新西兰AS1210等标准要求设计制造。

BTCE VTC/HTC tanks are designed for liquefied carbon dioxide, which are vertical/horizontal stationary pressure vessels with vacuum perlite insulation. The VTC /HTC standard tanks are available in capacities from 10m³ to 70m³ with maximum allowable working pressure of 22 bar to 25bar with stainless steel or carbon steel material of inner vessel and designed according to Chinese Code, AD2000-Merkblatt, EN Code and 97/23/EC PED (Pressure Equipment Directive), Australia/New Zealand AS1210 etc.

VTC/HTC标准 CO₂ 储罐
VTC/HTC STANDARD CO₂ TANKS

型号 Model	几何容积 Gross Volum(m ³)	有效容积 Net Volum(m ³)	高度/长度 Height/length(m)	直径 Diameter(m)	日蒸发量-二氧化碳 (%/日) NER CO ₂ (%/day)	最大允许工作压力 MAWP(MPa)
VTC/HTC10	10.5	10	6.00	2.2	0.7	2.2~2.5
VTC/HTC15	15.8	15	8.08		0.5	
VTC/HTC20	21.1	20	10.10		0.4	
VTC/HTC30	31.6	30	11.30	3.0	0.3	
VTC/HTC40	42.1	40	9.90			
VTC/HTC50	52.6	50	11.97	3.6		
VTC/HTC80	84.2	80	13.24			
VTC/HTC100	105.3	100	16.04			

注：1.所有型号可以根据用户要求提供不同压力和容积的特殊设计；2.以上技术参数更新前不做更改通知。

NOTE:1.Special design for pressure and volume are available on special request.2. Design and specification are subject to change without prior notice.

VTN/HTN标准 LNG 储罐

VTN/HTN STANDARD LNG TANKS

型号 Model	几何容积 Gross Volum(m ³)	有效容积 Net Volum(m ³)	高度/长度 Height/length(m)	直径 Diameter(m)	日蒸发量-天然气 (%/日) NER LNG(%/day)	最大允许工作压力 MAWP(MPa)
VTN/HTN15	10.5	10	6.00	2.2	0.21	0.8~1.6
VTN/HTN20	15.8	15	8.08			
VTN/HTN30	31.6	30	10.62	2.5	0.2	
VTN/HTN35	36.8	35	8.76			
VTN/HTN40	42.1	40	9.900	3.0	0.19	
VTN/HTN50	52.6	50	11.97			
VTN/HTN60	63.2	60	13.85			
VTN/HTN80	84.2	80	13.24	3.6	0.18	
VTN/HTN100	105.3	100	16.04			
VTN/HTN150	157.9	150	23			

注: 1.所有型号可以根据用户要求提供不同压力和容积的特殊设计; 2.所有型号可以提供虹吸罐; 3.以上技术参数更新前不做更改通知。

NOTE:1.Special design for pressure and volume are available on special request.2.Thermosiphon tanks are available for all models.3. Design and specification are subject to change without prior notice.

北京天海低温设备公司VTN/HTN系列储罐是专为贮存LNG(液化天然气)设计的立式/卧式固定真空粉末绝热压力容器。储罐的容积为20立方米至100立方米,最高容许工作压力为0.8至1.6MPa,按中国压力容器标准,德国AD2000-Merkblatt,欧盟EN、97/23/EC PED,澳大利亚/新西兰AS1210等标准进行设计制造。

BTCE VTN/HTN tanks are designed for LNG (liquefied natural gas), which are vertical / horizontal stationary pressure vessels with vacuum perlite insulation. The VTN/HTN standard tanks are available in capacities from 20 m³ to 100m³ with maximum allowable working pressure from 0.8 to 1.6 MPa and designed according to Chinese Code, AD2000-merk-blatt, EC PED (Pressure Equipment Directive), Australia/New AS1210 etc



ISO箱式集装箱储罐

ISO Intermodal Containers

型号 Model	几何容积 Gross Volum(m ³)	设备净重 Tare weight(kg)	最大总质量 Max.Gross weight(kg)	长度 Length(mm)	宽度 Width(mm)	高度 Height(mm)	最大允许工作压力 MAWP(MPa)
CC-20-8	20.6	8900	34000	6058	2438	2591	0.2~3.7
CC-20-17		11350					
CC-20-24		13800					
CC-40-8		45		12000			

注: 1.所有型号可以根据用户要求提供不同压力和容积的特殊设计; 2.以上技术参数更新前不做更改通知。

NOTE:1.Special design for pressure and volume are available on special request.2. Design and specification are subject to change without prior notice.

北京天海低温设备公司ISO罐式集装箱是专为运输低温液体,如:液氧、液氮、液氩、液化天然气和液体二氧化碳设计的,适用于全球范围的航运,铁路和公路运输的运输容器,产品规格有ISO 40英尺和ISO 20英尺,最高允许工作压力为0.2至3.7MPa,真空多层缠绕绝热,内胆材料采用奥氏体不锈钢,按中国压力容器标准,欧盟EN、TPED1999/36/EC、澳大利亚/新西兰AS1210等标准设计制造。

BTCE ISO intermodal containers are designed for transport cryogenic liquids, including Nitrogen, Oxygen, Argon, Liquid Natural gas, carbon dioxide, which can be transported world-wide by ship, rail and road. The containers are available ISO 20 feet and ISO 40 feet with maximum allowable working pressure of 0.2 to 3.7 MPa, with stainless steel inner vessel and vacuum multi-laminar super insulation, designed according to Chinese Pressure Vessel Code, AD2000-Merkblatt, EN Code and TPED 1999/36/EC, Australia/New Zealand AS1210 etc.

