SAINS GAS **Qingdao Sains Gas Technology Co.,Ltd**

Cryogenic Storage Tank--Common product specifications, models, and parameters

Model Specifications	Working pressure (MPa)	Dimensions (mm)	Empty weight (KG)	Full load weight(KG)		
				LO2	LN2	LAr
CFL-3.5/08	0.8	φ2216×3665	3692	7682	6528	8592
CFL-3.5/16	1.6	φ2216×3666	4095	8085	6930	8995
CFL-05/08	0.8	φ2216×4405	4573	10273	8623	11573
CFL-05/16	1.6	φ2216×4405	5010	10680	8760	11980
CFL-10/08	0.8	φ2216×7065	6718	18118	14818	20718
CFL-10/16	1.6	φ2216×7065	7970	19370	16070	21970
CFL-15/08	0.8	φ2616×6520	8710	25810	20860	29710
CFL-15/16	1.6	φ2616×6520	10509	27609	22659	31509
CFL-20/08	0.8	φ2616×8030	10675	33475	26875	38675
CFL-20/16	1.6	φ2616×8030	12866	35666	29066	40866
CFL-30/08	0.8	φ2620×11070	15830	50030	40130	57830
CFL-30/16	1.6	φ2620×11070	18960	53160	43260	60960
CFL-50/08	0.8	φ3020×12685	25036	82116	65451	94716
CFL-50/16	1.6	φ3020×12685	29347	86427	69762	99027
CFL-100/08	0.8	φ3520×17400	43394	156554	123224	181754
CFL-100/16	1.6	φ3520×17400	53350	167510	134180	192710
CFL-200/0.2	0.2	φ5000×16370	62433	279033	216333	330333
Remark	Due to differences in container design pressure, the above data may differ slightly. For details, please contact us.					

Key Features to Consider When Buying Cryogenic Storage Tanks

1. Temperature Stability and Insulation

Maintaining consistent ultra-low temperatures is critical for the preservation of sensitive samples and materials. Choose tanks with high-quality insulation and temperature stability to ensure the integrity of the stored contents. Vacuum insulation and multi-layer insulation are commonly used to minimize heat transfer.

2. Capacity and Size

Consider the capacity requirements of your application when selecting a cryogenic storage tank. Tanks are available in a range of sizes, from small portable models to large industrial tanks. Ensure the tank can accommodate the volume of cryogenic liquid needed for your specific needs.

3. Material and Construction

Cryogenic storage tanks must be constructed from materials that can withstand extreme cold and resist corrosion. Stainless steel and aluminum are commonly used materials for their durability and strength. Ensure the tank meets industry standards for quality and safety.

4. Safety Features

Safety is paramount when handling cryogenic liquids, which can cause severe burns and pose explosion risks if not properly managed. Look for tanks with pressure relief valves, safety vents, and secure locking mechanisms. Automated monitoring systems can provide real-time alerts for temperature and pressure changes.

5. Ease of Use and Handling

Consider the ease of use and handling features of the cryogenic storage tank. Tanks with ergonomic designs, easy-to-read gauges, and convenient access points for filling and dispensing cryogenic liquids improve user experience and safety. Mobility features, such as wheels or handles, can enhance portability.

6. Maintenance and Support

Regular maintenance is essential for the safe operation of cryogenic storage tanks. Choose tanks with accessible components for easy cleaning and inspection. Availability of technical support and service plans can ensure your tank remains operational and effective over time.