

SinoCleansky Compact Cryogenic Tank



SinoCleansky Compact Cryogenic Tank---SCCT series is an innovative gas storage platform, especially designed for substitutes of industrial cylinder users in cutting, welding, cryogenic lab, hospital and etc. SCCT series is more reliable, efficient and cost-effective. Our SCCT with lorry tank is very significant.

SinoCleansky Compact Cryogenic Tank---SCCT series storage system allows packaged gas distributors and users to enjoy the benefits of on-site gas delivery. Avoiding time waste, liquid loss, labor costs when replacing the cylinders. Using SCCT series, no cylinder replacing, no liquid loss, no damage from the operations.

Product Features

- ① Centralized gas supply system---integrated with small-size storage tank, PBC, vaporizer and pipelines;
- ② High vacuum multi-layer insulation & well designed structure---ZERO even BARELY ZERO liquid loss;
- ③ Setting up a regeneration warehouse in the interlayer, and keeping long time vacuum strength;
- ④ Low requirements on the working site condition;
- ⑤ Lifting lug and forklift movable base support---easy for changing working place (avoid moving when with liquid);
- ⑥ Short transmission distance, and stable gas supply pressure, which can be directly set up nearby the equipment, customers can use depending on actual situation of gas pressure regulation;
- ⑦ Connection gas pipeline with international joint, which is convenient to assemble and disassemble, and which can directly supply gas after connecting;
- ⑧ Adopting capacitance liquid level gauge, which is more accurate to display the data;
- ⑨ Automatically cut off lorry tank refueling procedure;
- ⑩ Applying to store LOX、LIN、LAr、LCO₂、LNG and etc.

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Models and Technical Parameters

Typical Model Specification of Vertical Cryogenic Tank

Full volume(L)	525			842			1069			5327		
Effective volume(L)	499			800			1016			5061		
Working pressure(Mpa)	1.6	1.6	1.6	1.6	2.5	3.5	1.6	2.5	3.5	1.6	2.5	3.5
Vessel sort	II											
Surface treatment	Mirror surface Ra 0.025											
Thermal- insulating type	High vacuum multi-layers thermal-insulating											
Base-support structure	Saddle base											
Material	Inner vessel:06Cr19Ni 10/ Outer cylinder: S30408/ Saddle base:S30408											
Specification	TSG R0004-2009 GB150-2011 GB/T 18442-2011											
Loading media and filling weight												
LOX(Kg)	1147	1184	1241	1610	1688	1819	1696	2159	2277	8103	8754	9350
LN(Kg)	981	1018	1075	1343	1421	1552	1631	1821	1939	6417	7068	7664
LAr(Kg)	1273	1310	1367	1811	1889	2020	2225	2415	2533	9378	10029	10625
LCO2(Kg)	1092	1129	1186	1521	1599	1730	1856	2046	2164	7541	8192	8788
LNG (Kg)	792	829	886	1041	1119	1250	1267	1457	1575	4605	5256	5852
Product Parameters												
Gas flow rate	30									100		
Evaporation(LN)	≤0.8%									≤0.45%		
Empty weight	578	615	672	697	775	906	810	1000	1118	2328	2979	3575
Dimensions	1350*1300*1920			1350*1300*2170			1500*1450*2306			1900*1850*4740		
Typical Model Specification of Horizontal Cryogenic Tank												
Full volume(L)	2135			3071			4265			5327		
Effective volume(L)	2028			2917			4052			5061		
Working pressure(Mpa)	1.6	2.5	3.5	1.6	2.5	3.5	1.6	2.5	3.5	1.6	2.5	3.5
Vessel sort	II											
Surface treatment	Mirror surface Ra 0.025											
Thermal- insulating type	High vacuum multi-layers thermal-insulating											
Base-support structure	Saddle base											
Material	Inner vessel:06Cr19Ni 10/ Outer cylinder: S30408/ Saddle base:S30408											
Specification	TSG R0004-2009 GB150-2011 GB/T 18442 2011											
Loading media and filling weight												
LOX(Kg)	3817	4099	4460	5610	5981	6424	7315	7803	8356	8818	9413	10096
LN(Kg)	3142	3424	3785	4639	5010	5453	5966	6454	7007	7132	7727	8410
LAr(Kg)	4328	4610	4971	6345	6716	7159	8336	8824	9377	10093	10688	11371
LCO2(Kg)	3592	3874	4235	5287	5658	6101	6866	7354	7907	8256	8851	9534
LNG (Kg)	2416	2698	3059	3595	3966	4409	4515	5003	5556	5320	5915	6598
Product Parameters												
Gas flow rate	60			60			60			100		
Evaporation(LN)	≤0.7%			≤0.6%			≤0.45%			≤0.45%		
Empty weight	1533	1785	2146	2282	2653	3096	2692	3180	3733	3043	3638	4321
Dimensions	1800*1550*3500			2000*1750*3650			2000*1750*4500			2000*1750*5350		

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