

INDUSTRIAL GAS

CRYOGENIC STANDARD TANKS



LIN, LOX, LAR

Standard Tanks, Customized To Your Application

Rely on Worthington's bulk storage for any industrial liquid or gas application. Our in-house team has the know-how, the manufacturing capability and the experience to help build the optimal system, regardless of scale or operating conditions.

Rely On Worthington To Meet Your Project Schedule

- Shortened lead times, by leveraging prior projects and designs
- In-house valve making capability
- In-house vaporizer capabilities
- In-house pipe bending capabilities
- In-house logistics, commissioning and install capabilities
- In-house design and applications engineers

Product Options Available

- Cold climate steels: Duplex or Stainless outer vessel
- Extra clean applications: Oxygen, food or electronic grade cleaning
- Valves preference: in house brand or specified name brands
- Safety specification: multiple relief valve and burst disk setups
- Seismic zones: legs, supports and structures designed to meet local requirements

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Horizontal Standard Tank Specifications

Horizontal LIN-LOX-LAR tanks						Transport dimensions per unit (dimensions when horizontal)			17 barg	27 barg	37 barg
Nominal Capacity (m ³)	Gross Capacity (liter)	Net Capacity (liter)	Standard Pressure (barg)	Medium Pressure (barg)	High Pressure (barg)	Length (mm)	Width (mm)	Height (mm)	Weight kg	Weight kg	Weight kg
2	2.470	2.340	17	27	37	2.950	1.800	2.050	2.000	2.400	2.650
3	3.050	2.890	17	27	37	3.800	1.800	2.050	2.750	3.250	3.500
6	6.080	5.760	17	27	37	4.550	2.070	2.370	4.500	4.750	5.500
10	9.890	9.390	17	27	37	5.750	2.150	2.300	5.750	6.250	7.000
15	14.880	14.130	17	27	37	8.000	2.150	2.300	7.000	7.850	9.100
20	20.560	19.530	17	27	37	10.300	2.150	2.300	9.750	10.750	12.250
25	25.870	24.570	17	27	37	10.700	2.370	2.700	11.950	13.900	15.750
30	32.230	30.610	17	27	37	9.250	2.770	3.070	13.500	15.750	18.000
40	42.610	40.470	17	27	37	11.700	2.770	3.070	17.500	19.750	22.750
50	52.990	50.340	17	27	37	14.250	2.770	3.070	20.750	24.000	27.250
60	63.370	60.200	17	27	37	16.700	2.770	3.070	24.500	28.250	32.000
77	77.670	73.780	17	27	37	12.800	3.500	3.900	33.500	39.250	45.000
Certificate	EN Standard**										

Vertical Standard Tank Specifications

Vertical LIN-LOX-LAR tanks						Transport dimensions per unit (dimensions when horizontal)			17 barg	27 barg	37 barg
Nominal Capacity (m ³)	Gross Capacity (liter)	Net Capacity (liter)	Standard Pressure (barg)	Medium Pressure (barg)	High Pressure (barg)	Length (mm)	Width (mm)	Height (mm)	Weight kg	Weight kg	Weight kg
2	2470	2.340	17	27	37	3.730	2.000	2.150	2.500	2.750	2.950
3	3.050	2.890	17	27	37	4.000	2.000	2.200	2.750	3.000	3.350
6	6.080	5.760	17	27	37	4.750	2.350	2.365	4.000	4.300	5.000
10	9.890	9.390	17	27	37	5.800	2.300	2.300	5.250	5.750	6.750
15	14.880	14.130	17	27	37	8.500	2.300	2.300	6.500	7.750	8.500
20	20.560	19.530	17	27	37	10.500	2.300	2.300	8.750	10.500	11.500
25	25.870	24.570	17	27	37	11.100	2.550	2.700	12.000	13.900	16.000
30	32.230	30.610	17	27	37	9.750	2.900	3.200	16.000	19.000	20.500
40	42.610	40.470	17	27	37	12.300	2.900	3.200	19.000	21.500	25.500
50	52.990	50.340	17	27	37	14.800	2.900	3.200	22.000	25.500	30.000
60	63.370	60.200	17	27	37	17.300	2.900	3.200	25.500	29.400	35.000
77	77.670	73.780	17	27	37	13.600	3.600	4.100	36.000	42.000	50.000
Certificate	EN Standard**										

* Please consult for other pressure settings and bigger capacities in engineering tank specs.

Detailed product specifications can be provided and will depend upon exact design of each system.

**NOTE: In addition to EN Norms, we also possess ASME, National Board, GOST TR-CU, UKRSEPRO, AD 2000 and DNV approvals.