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Linde vessels.

This data sheet should be read in conjunction with TD004 Design and build of your BOC gas system.

Capacitites, weights and dimensions

Linde Airgas vessels

Model	Reinforcement category	Bolting category	Water capacity (litres)		Nominal product capacities HCM at 1013 mb and 15°C I1-HCM=100 m³			Vessel dimensions		Max weight (tonnes)				Vessel plinth dimensions (m)		
			Gross	Net	O_2	N_2	Ar	Height (A)	Dia (B)	Empty	Full O_2	Full N_2	Full Ar	W (C)	D (D)	T (E)
V30-18	A	4 or 6	3160	3000	25.3	20.4	24.8	4.20	1.60	2.51	5.94	4.94	6.70	3.5	3.5	0.25
V30-36	A	4 or 6	3160	3000	25.3	20.4	24.8	4.20	1.60	2.60	6.03	5.03	6.79	3.5	3.5	0.25
V60-18	B	4 or 6	6365	6050	51.0	41.2	50.0	7.20	1.60	4.91	11.82	9.80	13.35	3.5	3.5	0.30
V60-36	B	4 or 6	6365	6050	51.0	41.2	50.0	7.20	1.60	5.22	12.13	10.11	13.66	3.5	3.5	0.30
V110-18	B	4 or 6	11535	10960	92.4	74.7	90.5	7.50	2.00	5.94	18.46	14.80	21.23	3.5	3.5	0.30
V110-36	B	4 or 6	11535	10960	92.4	74.7	90.5	7.50	2.00	7.18	19.70	16.03	22.47	3.5	3.5	0.30
V200-18	C	4 or 6	20355	19340	163.0	131.8	159.7	8.40	2.40	9.84	31.93	25.47	36.82	4.0	4.0	0.30
V200-36	C	4 or 6	20355	19340	163.0	131.8	159.7	8.40	2.40	12.31	34.40	27.94	39.29	4.0	4.0	0.30
V300-18	D	4	30205	28700	242.0	195.6	237.0	11.60	2.40	13.92	46.70	37.11	53.96	5.5	5.5	0.35
V300-36	D	4	30205	28700	242.0	195.6	237.0	11.60	2.40	17.09	49.87	40.28	57.13	5.5	5.5	0.35
V490-18	D	4	49020	46570	392.6	317.4	384.5	11.70	3.00	19.30	72.48	56.93	84.27	5.5	5.5	0.35
V490-36	D	4	49020	46750	392.6	317.4	384.5	11.70	3.00	24.57	77.75	62.20	89.54	5.5	5.5	0.35
V610-18	D	4 or 6	61620	58540	493.5	399.0	483.3	14.20	3.00	23.37	90.22	70.67	105.03	5.5	5.5	0.45
V610-36	D	4 or 6	61620	58540	493.5	399.0	483.3	14.20	3.00	30.26	97.11	77.56	111.92	5.5	5.5	0.45
V800-18	D	5	80360	76340	N/A	520.4	N/A	18.20	3.00	29.65	N/A	91.33	N/A	6	6	0.45

The data given represents actual design data and may vary slightly from other published data.

Notes

When using the vessels integral pressure raising vaporisers the vessel discharge rate is as follows:

Vessel model	Discharge rate
V30-18 V30-18	150 – 190 m³/hr
V30-36 V60-36	70 – 90 m³/hr
V110-18 V200-18 V300-18	300 – 380 m³/hr
V110-36 V200-36 V300-36	140 – 180 m³/hr
V490-18 V610-18	600 – 750 m³/hr
V490-36 V610-36	280 – 360 m³/hr
V800-18	600 m³/hr

Capacitites, weights and dimensions

Linde CO_2 vessels

Model	Reinforcement category	Bolting category	Water capacity (litres)		Nominal product capacities		Vessel dimensions		Max weight (tonnes)		Vessel plinth dimensions (m)		
			Gross	*Net*	*(kg)*	*(Sm^3)**	*Height (A)*	*Dia (B)*	*Empty*	*Full CO_2*	*W (C)*	*D (D)*	*T (E)*
V30-22	A	4 or 6	3160	2940	3087	1653	4.20	1.60	2.51	5.60	3.5	3.5	0.25
V60-22	B	4 or 6	6365	5920	6216	3328	7.20	1.60	4.91	11.13	3.5	3.5	0.30
V110-22	B	4 or 6	11535	10728	11264	6031	7.50	2.00	6.30	17.56	3.5	3.5	0.30
V200-22	C	4 or 6	20355	18930	19877	10642	8.40	2.40	10.25	30.13	4.0	4.0	0.30
V300-22	D	4	30205	28090	29495	15791	11.60	2.40	14.50	44.00	5.5	5.5	0.35
V490-22	D	4	49020	45590	47870	25629	11.70	3.00	20.50	68.37	5.5	5.5	0.35
V610-22	D	4 or 6	61620	57307	60172	32216	14.20	3.00	24.80	84.97	5.5	5.5	0.45

The data given represents actual design data and may vary slightly from other published data.

Notes

When using the vessels integral pressure raising vaporisers the vessel discharge rate is as follows:

Vessel model	Discharge rate
V30-22	70 kg/hr
V60-22	
V110-22	140 kg/hr
V200-22	
V490-22	280 kg/hr
V610-22	

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