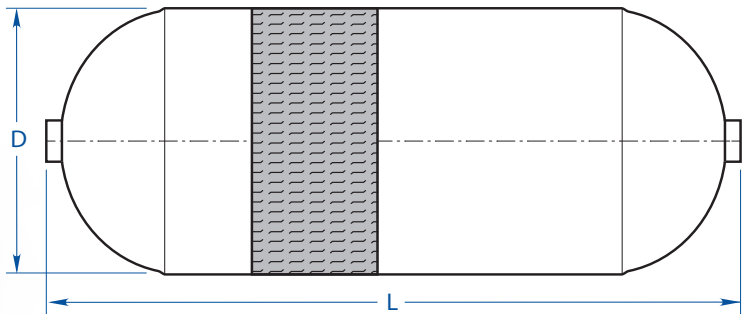


CNG & BULK GAS TRANSPORT CYLINDERS TYPE III

Ultra lightweight structures of composite CNG type III tanks. The use of quality material (aluminum and carbon fiber) and the optimal design ensure the best weight, capacity value and a competitive price.



Technical Data

- Design Burst Pressure: 600 – 745 bar (8700 – 10,800 psi)
- Service Pressure: 200 – 248 bar (2900 – 3600 psi)
- Maximum Filling Pressure: 260 – 310 bar (3625 – 4500 psi)
- Working Temperature: -80 – 82 C (-12 – 180F)
- Single or Double Port: 0.75 inches, 1.125 inches, 2.0 inches – 12 UNF 2B
- Dual Port - Thread Size: -1.125-12UN
- Approvals: ECE R110, ISO 11439, FMVSS 304, ANSI NGV2, KHK (Japan)
- Neck or Strap Mounting
- Worthington Industries engineering team can develop a custom Type III cylinder to your specifications

Optional Fiberglass Overwrap



Partial Listing of Type III CNG Fuel Tanks

MODEL NUMBER	CYLINDER DIAMETER		LENGTH		WATER CAPACITY		EMPTY WEIGHT [lb.]	FILLED WEIGHT [lb.]	SERVICE PRESSURE [psi]	SERVICE PRESSURE [scf]	EQUIVALENT GASOLINE [gal US]	EQUIVALENT DIESEL [gal US]	NECK MOUNTABLE
	[in.]	[mm]	[in.]	[mm]	[litres]	[cu. in.]							
ALT753	10	255	73.6	1,870	71.4	4,357	86	120.4	3,600	743	6	5.3	No
ALT1006	12.9	327.66	42.9	1,088	66.5	4,058	70.1	102.2	3,600	692	5.6	5	No
ALT890S	13.1	333	50	1,270	77.5	4,730	92.5	129.9	3,600	807	6.6	5.8	No
ALT890	13.1	333	70	1,778	113.1	6,902	128.5	183	3,600	1,178	9.6	8.5	No
ALT807S	13.1	333	75	1,905	120.2	7,338	154.4	212.4	3,600	1,252	10.2	9	No
ALT821	13.1	333	85.8	2,180	135	8,241	149	214.1	3,600	1,406	11.4	10.1	Yes
ALT807	13.1	333	120	3,048	195.6	11,939	211	305.3	3,600	2,037	16.6	14.7	Yes
ALT747	13.5	343	43.9	1,115	74	4,516	68.8	100	2,900	678	5.5	4.9	No
ALT972	13.6	347	30	762	47.1	2,877	51	73.7	3,600	491	4	3.5	No
ALT867	13.6	347	35	889	57.2	3,488	62.5	90.1	3,600	595	4.8	4.3	No
ALT867AM	13.6	347	43	1,092	73.2	4,470	74.6	109.9	3,600	763	6.2	5.5	No
ALT974	13.6	347	43	1,092	73.2	4,464	71.6	106.9	3,600	762	6.2	5.5	No
ALT823F	15.3	388	39.4	1,001	77.7	4,744	78	115.5	3,600	809	6.6	5.8	Yes
ALT1007	15.3	388	42.9	1,090	93.3	5,695	86.7	131.7	3,600	972	7.9	7	Yes
ALT823E	15.3	388	72.8	1,850	162.8	9,936	149	227.5	3,600	1,695	13.8	12.2	Yes
ALT823A	15.3	388	76.5	1,943	173	10,555	165	248.4	3,600	1,801	14.6	13	Yes
ALT918	15.3	388	78.3	1,993	182.6	11,145	171	259	3,600	1,902	15.5	13.7	No
ALT823B	15.3	388	100.3	2,548	233.2	14,231	207.4	319.8	3,600	2,428	19.7	17.5	Yes
ALT823D	15.3	388	120	3,048	283.4	17,294	246.5	383.1	3,600	2,951	24	21.2	Yes
ALT923D	15.3	388	120	3,048	283.4	17,294	249.5	386.1	3,600	2,951	24	21.2	Yes
ALT923DS	15.3	388	120	3,048	283.4	17,294	249.5	386.1	3,600	2,951	24	21.2	Yes
ALT1005	15.9	404	42.9	1,090	101.8	6,210	96	145.1	3,600	1,060	8.6	7.6	No
ALT881PS	15.9	404	60	1,524	146.7	8,950	141	211.7	3,600	1,527	12.4	11	No
ALT881S	15.9	404	71	1,803	172	10,496	149	231.9	3,600	1,791	14.6	12.9	Yes
ALT881L	15.9	404	75	1,905	188.7	11,514	165	256	3,600	1,965	16	14.1	No
ALT881W	15.9	404	80.8	2,051	200.6	12,240	161	257.7	3,600	2,088	17	15	Yes
ALT881M	15.9	404	85	2,159	211.4	12,905	172	273.9	3,600	2,202	17.9	15.8	Yes
ALT881K	15.9	404	108	2,743	277.5	16,932	252	385.8	3,600	2,889	23.5	20.8	Yes
ALT881	15.9	404	120	3,048	308.8	18,847	243	391.9	3,600	3,216	26.1	23.1	Yes
ALT881E	15.9	404	120	3,048	308.1	18,802	251	380.7	2,900	2,824	23	20.3	Yes
ALT810W	16.1	409	80.8	2,051	204.8	12,500	170	268.8	3,600	2,133	17.3	15.3	Yes
ALT810T	16.3	415	32	813	70.5	4,300	77.7	111.7	3,600	734	6	5.3	No
ALT982	16.3	415	36	914	81.7	4,984	88	127.4	3,600	850	6.9	6.1	No
ALT810P	16.3	415	55	1,397	137.2	8,373	126	192.1	3,600	1,429	11.6	10.3	No
ALT982L	16.3	415	60	1,524	150.6	9,190	146	218.6	3,600	1,568	12.7	11.3	No
ALT810A	16.3	415	73.6	1,869	190.3	11,614	174	265.8	3,600	1,982	16.1	14.3	No
ALT810B	16.3	415	75	1,905	191.9	11,713	180	272.5	3,600	1,998	16.2	14.4	No
ALT810S	16.3	415	82	2,083	204	12,450	190	288.4	3,600	2,124	17.3	15.3	Yes
ALT889S	16.3	415	82	2,083	212.9	12,995	194	296.7	3,600	2,217	18	16	No
ALT810M	16.3	415	85.8	2,179	215.1	13,127	188	291.7	3,600	2,240	18.2	16.1	Yes
ALT889	16.3	415	100	2,540	266.4	16,258	235	363.4	3,600	2,774	22.6	20	No
ALT810N	16.3	415	120	3,048	312.9	19,092	273	423.8	3,600	3,257	26.5	23.4	Yes
ALT1014	18.1	460	33.7	856	99.6	6,080	93.3	141.3	3,600	1,037	8.4	7.5	No
ALT891	18.2	462	105	2,667	342	20,870	272	436.9	3,600	3,561	28.9	25.6	Yes
ALT847	18.3	464	35.2	893	100	6,103	101.4	149.6	3,600	1,041	8.5	7.5	No
ALT820SG	21	532	80	2,032	318.1	19,410	361	514.3	3,600	3,312	26.9	23.8	Yes
ALT820G	21	532	85.8	2,180	344.6	21,027	386	552.1	3,600	3,588	29.2	25.8	Yes
ALT1072DSS	23.1	586.74	41.25	1,047.75	161	9,825	160.3	237.9	3,600	1,676	13.6	12.1	Yes
ALT1072DSM	23.1	586.74	61.25	1,555.75	273.58	16,695	248.2	160	3,600	2,848	23.2	20.5	Yes
ALT1072DS	23.1	586.74	71.25	1,809.75	329.87	20,130	292.3	451.3	3,600	3,434	27.9	24.7	Yes
ALT1072	23.1	586.74	80	2,032	391.81	23,910	340.5	529.4	3,600	4,079	32.2	29.5	Yes
ALT1072D	23.1	586.74	81.25	2,063.75	386.16	23,565	340	526.2	3,600	4,020	32.7	28.9	Yes
ALT1072DM	23.1	586.74	91.25	2,317.75	442.45	27,000	379.2	592.5	3,600	4,607	37.4	33.1	Yes
ALT1072DL	23.1	586.74	101.25	2,571.75	498.72	30,434	424	664.4	3,600	5,192	42.2	37.4	Yes
ALT1072DSL	23.1	586.74	121.25	3,079.75	611.31	37,305	510	804.7	3,600	6,365	51.7	45.8	Yes
ALT1050SS	26.6	675.64	45	1,143	222.47	13,576	223	330.3	3,600	2,316	16.7	12	Yes
ALT1050S	26.6	675.64	60	1,524	336.83	20,555	320	482.4	3,600	3,507	28.5	25.2	Yes
ALT1050	26.6	675.64	80.75	2,051.05	492.26	30,040	433	670.3	3,600	5,125	41.7	36.9	Yes
ALT1050WA1	26.6	675.64	81.5	2,070.10	520.61	31,770	440	691	3,600	5,420	44.1	39	Yes
ALT1050MA1	26.6	675.64	82.7	2,100.58	542.62	33,113	434	695.6	3,600	5,650	46.9	40.6	No
ALT1050L	26.6	675.64	90	2,286	561.01	34,235	487	757.5	3,600	5,841	41.5	42	Yes
ALT1050LA1	26.6	675.64	90	2,286	569.86	34,775	468.35	743	3,600	5,933	48.2	42.7	No
ALT1050VL	26.6	675.64	117	2,971.80	688.45	42,012	603	934.9	3,600	7,168	58.3	51.6	No

CNG fuel tank cylinders can be manufactured and certified to US DOT FMVSS 304, NGV2, ECE R110, ISO11439, KHK (Japan), CSA B51 (Canada). Custom cylinder sizes available.