



TUFFSHELL® Fuel Tanks

Type 4, All-Composite

All sizes meet the requirements of ANSI/CSA NGV2, US DOT FMVSS 304, CAN/ CSA B51, TC 301.2, METI-KHK, ISO 11439 and ECE R110. Dimensions, weights and capacities are nominal.

3000 PSI (207 BAR)*											
Size (O.D. x Length)		Weight		Water Volume		Gas Capacity		Gasoline Equivalent		Diesel Equivalent	
Inches	Millimeters	Lbs.	Kg.	Cu. In.	Liters	SCF**	SCM	Gallons	Liters	Gallons	Liters
9.5 x 19	241 x 500	19	7.1	769	12.6	116	3.3	0.9	3.6	0.8	3.2
9.5 x 57	241 x 1448	46	20.9	2913	47.7	438	12.4	3.5	13.3	3.1	11.6
15.6 x 55	396 x 1397	105	47.6	7540	123.6	1133	32.1	9.1	34.6	8.2	30.9
15.6 x 71	396 x 1803	137	62.1	10112	165.7	1520	43.0	12.3	46.4	10.9	41.4
15.6 x 84	396 x 2134	160	72.6	12200	199.9	1834	51.9	14.8	56.0	13.2	49.9
16.0 x 60	406 x 1524	106	48.1	9097	149.1	1368	38.7	11.0	41.7	9.8	37.2
16.0 x 71	406 x 1803	124	56.2	10969	179.7	1649	46.7	13.3	50.3	11.9	44.9
16.0 x 82	406 x 2083	144	65.3	12977	212.7	1951	55.2	15.7	59.6	14.0	53.1
18.1 x 69	457 x 1755	165	74.6	13236	216.9	1988	56.3	16.1	60.9	14.4	54.5

3600 PSI (248 BAR)*											
Size (O.D. x Length)		Weight		Water Volume		Gas Capacity		Gasoline Equivalent		Diesel Equivalent	
Inches	Millimeters	Lbs.	Kg.	Cu. In.	Liters	SCF**	SCM	Gallons	Liters	Gallons	Liters
9.2 x 24	234 x 610	27	12.4	905	14.8	153	4.3	1.2	4.7	1.1	4.2
9.2 x 35	234 x 889	37	16.8	1425	23.4	244	6.9	2.0	7.5	1.8	6.7
9.2 x 40	234 x 1016	42	19.1	1655	27.1	284	8.0	2.3	8.7	2.0	7.7
9.2 x 64	234 x 1626	68	30.8	2810	46.0	482	13.7	3.9	14.7	3.5	13.1
12.9 x 34	328 x 886	47	21.3	3061	50.2	531	15.1	4.4	16.5	3.9	14.7
13.9 x 35	353 x 889	65	29.5	3345	54.8	574	16.3	4.6	17.5	4.1	15.6
13.9 x 40	353 x 1016	74	33.6	3932	64.4	675	19.1	5.4	20.6	4.9	18.4
13.9 x 45	353 x 1143	84	38.1	4515	74.0	775	21.9	6.2	23.6	5.6	21.1
13.9 x 55	353 x 1397	102	46.3	5695	93.3	977	27.7	7.9	29.8	7.0	26.6
13.9 x 82	353 x 2083	153	69.4	8920	146.2	1530	43.3	12.3	46.7	11.0	41.7
15.7 x 35	399 x 889	69	31.3	4390	71.9	753	21.3	6.1	23.0	5.4	20.5
15.7 x 40	399 x 1016	78	35.4	5175	84.8	888	25.1	7.2	27.1	6.4	24.2
15.7 x 49	399 x 1245	95	43.1	6685	109.5	1147	32.5	9.2	35.0	8.3	31.2
15.7 x 52	399 x 1321	118	53.5	7108	116.5	1219	34.5	9.8	37.2	8.8	33.2
15.7 x 55	399 x 1397	106	48.1	7525	123.3	1291	36.6	10.4	39.4	9.3	35.2
15.7 x 62	399 x 1575	119	54.0	8620	141.3	1479	41.9	11.9	45.1	10.6	40.3
15.7 x 71	399 x 1803	147	66.7	10030	164.4	1721	48.7	13.9	52.5	12.4	46.9
15.7 x 120	399 x 3048	235	106.6	17620	290.0	3023	86.0	24.4	92.3	21.7	82.3
16.1 x 71	409 x 1803	139	63.0	10883	178.3	1867	52.9	15.1	57.0	13.4	50.8
16.1 x 120	409 x 3048	232	105.3	19222	315.0	3295	93.4	26.6	100.7	23.7	89.8
18.4 x 49	467 x 1245	157	71.2	9128	149.6	1566	44.3	12.6	47.8	11.3	42.6
18.4 x 78	467 x 1981	235	106.6	15230	249.6	2613	74.0	21.1	79.8	18.8	71.2
18.4 x 100	467 x 2540	303	137.4	19695	322.7	3379	96.0	27.2	103.2	24.3	92.0
18.4 x 120	467 x 3048	350	158.8	23944	392.4	4108	116.3	33.1	125.4	29.6	111.9
21.1 x 60	536 x 1530	195	88.3	15304	250.8	2624	74.3	21.2	80.3	19.0	71.9
21.1 x 80	536 x 2032	258	117.0	21153	346.6	3629	102.8	29.3	110.8	26.1	98.8
21.1 x 120	536 x 3048	380	172.4	32937	539.7	5651	160.0	45.6	172.5	40.7	153.9

* Pressure rating at 70 °F (21 °C)

** Standard Cubic Feet. Natural gas capacity is based on a tank at service pressure filled with gas at a specific gravity of 0.60 and a temperature of 70°F

Port sizes: 1 1/16" -12 UNF, 1 1/8" -12 UNF, 2" -12 UNF

Tanks are available in boss mount configurations.

Contact us for other sizes and service pressures.

Valves, end plugs, pressure relief devices, bracket kits and tank packs are available.