

THUNDERBIRD CYLINDERS

Specialty gas cylinders

Quality, precision, and rapid availability – our cylinders for specialty gas, exotic gas, and high-purity gas mixtures won't leak and will retain their concentricity under high pressures.



Features

- Up to 40% lighter in weight than comparable steel cylinders
- Corrosion-resistant interior, exterior
- Available in a range of exterior finishes
- Widest range of sizes available, from 0.5-liter to 50-liter cylinders
- Manufactured to U.S. DOT and TC requirements



Learn more at:
thunderbird-cylinders.com

[performance under pressure]

Specialty gas cylinders

Manufactured to DOT and TC requirements

- U.S. Department of Transportation (DOT) 3AL
- Transport Canada (TC) 3ALM
- Every cylinder inspected and tested by DOT- and TC- authorized independent agency
- Cycle-tested in excess of 10,000 cycles at test pressure
- Minimum burst pressure tested to 2.5 times service
- Specification: DOT-3AL / TC-3ALM



Standard specifications

PRODUCT	Service pressure (psi)	O ₂ capacity (ft ³)	N ₂ capacity (ft ³)	Outside diameter (in)	Overall length (in)	Weight (lbs)	Water volume (in ³)	Water weight (lbs)	Thread size*
4 cu ft	2216	4	3.7	3.2	9	1.8	43	1.5	A
6 cu ft	2216	5.8	5.3	3.2	11.8	2.2	62	2.2	A
7 cu ft	2015	7.4	6.8	4.4	9.2	3.2	87	3.1	A
9 cu ft	2015	8.8	8.1	4.4	10.6	3.8	103	3.7	A
11 cu ft	2015	11.7	10.9	4.4	13.8	4.6	138	5	A
22 cu ft	2216	22.9	20.9	5.3	17.1	8.6	244	8.8	B
33 cu ft	2216	33.7	30.9	6.9	15.6	14.4	360	13	B
42 cu ft	2216	48.2	44.2	5.3	33.1	15.9	515	18.6	B
47 cu ft	2132	51.6	47.4	6.9	23	20	574	20.7	C
60 cu ft	2216	60.9	55.8	7.3	23.5	22.6	650	23.4	D
88 cu. Ft	2216	89.9	82.4	7.3	32.9	30.3	960	34.6	E
122 cu ft	2216	121.9	111.8	8	36.3	39.5	1302	46.9	E
150 cu ft	2015	153.2	141.5	8	47.9	48.5	1800	64.9	E
265 cu ft	2216	265.1	243	9.8	51.4	85.3	2831	102.1	F
269 cu ft	2216	271.5	248.9	9.8	52.8	92.6	2900	104.6	F

Metric specifications

PRODUCT	Service pressure (bar)	O ₂ capacity (l)	N ₂ capacity (l)	Outside diameter (mm)	Overall length (mm)	Weight (kgs)	Water volume (l)	Water weight (kgs)	Thread size*
4 cu ft	153	114.1	103.4	81	229	0.8	0.7	0.7	A
6 cu ft	153	164.5	150.7	81	299	1	1	1	A
7 cu ft	139	209.6	193.7	111	233	1.4	1.4	1.4	A
9 cu ft	139	248.4	229.4	111	270	1.7	1.7	1.7	A
11 cu ft	139	332.5	307.3	111	351	2.1	2.3	2.3	A
22 cu ft	153	647.1	591.9	133	435	3.9	4	4	B
33 cu ft	153	954.4	875.1	175	397	6.5	5.9	5.9	B
42 cu ft	153	1365.6	1252	133	841	7.2	8.4	8.4	B
47 cu ft	147	1461.3	1342.4	175	584	9.1	9.4	9.4	C
60 cu ft	153	1723.6	1580	184	597	10.2	10.7	10.6	D
88 cu. Ft	153	2545.7	2333.6	184	835	13.7	15.7	15.7	E
122 cu ft	153	3452.5	3165	203	922	17.9	21.3	21.3	E
150 cu ft	139	4338.3	4007.6	203	1216	22	29.5	29.4	E
265 cu ft	153	7506.8	6881.8	250	1305	38.7	46.4	46.3	F
269 cu ft	153	7688.9	7048.8	250	1340	42	47.5	47.4	F

*Thread Size: A - 0.750-16UNF-2B, B - 0.750-16UNF-2B / 0.750-14 NGT / 1.125-12UNF-2B, C - 1.125-12UNF-2B, D - 0.750-14 NGT / 1.125-12UNF-2B / M25 x 2, E - 0.750-14 NGT / 1.125-12UNF-2B, F - 00.750-14 NGT / 1.125-12UNF-2B / 25E



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