

# Specialty Cylinders

## Carbon Dioxide Cylinders



	Nom. Dimensions					DOT Service Pressure	CO <sub>2</sub> Capacity at Rated Filling Density		
	Min. Cylinder Volume	Nom. Cylinder Weight	OD	L	tmin				
	(in3)	(lb)	(in)	(in)	(in)			(psi)	lbs
	(liter)	(kg)	(mm)	(mm)	(mm)			(bar)	kg
2.5 LB CO <sub>2</sub>	113	3.9	3.56	14.69	0.08	1800	2.5		
	1.9	1.8	90.4	373.1	1.9	138	1.13		
5 LB CO <sub>2</sub>	220	10.5	5.625	13.75	0.13	1800	5		
	3.6	4.8	142.9	349.3	3.2	138	2.27		
10 LB CO <sub>2</sub>	500	27	7	18	0.19	1800	10		
	8.2	12.2	177.8	457.2	4.7	138	4.54		
15 LB CO <sub>2</sub>	650	32	7	22.88	0.19	1800	15		
	10.6	14.5	177.8	581	4.7	138	6.8		
20 LB CO <sub>2</sub>	817	39	7.4	25.5	0.14	1800	20		
	13.4	14.1	188	647.7	3.58	138	9.07		
8BC50 (50 LB CO <sub>2</sub> )	2270	90	9.28	44.5	0.17	1800	50		
	37.2	40.8	235.7	1130	4.2	138	22.7		
8BC75 (75 LB CO <sub>2</sub> ) <sub>1</sub>	3058	136	9.28	56.5	0.17	1800	75		
	50.1	61.7	235.7	1435	4.2	138	34		
10BC100 (100 LB CO <sub>2</sub> ) <sub>1</sub>	4079	181	10.69	58	0.19	1800	100		
	66.8	82.1	271.5	1473	4.9	138	45.4		

## Chlorine Cylinders

	Nom. Dimensions					DOT Service Pressure	Chlorine Capacity at Rated Filling Density		
	Min. Cylinder Volume	Nom. Cylinder Weight	OD	L	tmin				
	(in3)	(lb)	(in)	(in)	(in)			(psi)	lbs
	(liter)	(kg)	(mm)	(mm)	(mm)			(bar)	kg
10CL100	2225	80	10.45	34	0.15	480	100.3		
	36.5	36.3	265.4	864	3.7	33	45.5		
10CL150	3328	110	10.45	48	0.15	480	150		
	54.5	49.9	265.4	1219	3.7	33	68		
10CL150C	3328	110	10.45	48	0.18	480	150		
	54.5	49.9	265.4	1219	4.5	33.1	68		

## Medical Cylinders

	Nom. Dimensions					DOT Service Pressure	
	Min. Cylinder Volume	Nom. Cylinder Weight	OD	L	tmin		
	(in3)	(lb)	(in)	(in)	(in)		(psi)
	(liter)	(kg)	(mm)	(mm)	(mm)		(bar)
MED D	176	7.9	4.15	16.75	0.1	2015	
	2.9	3.6	105.4	425.5	2.54	138.9	
MED E	287	11.25	4.15	25.75	0.1	2015	
	4.7	5.1	105.4	654.1	2.54	138.9	
MED M	1379	62	7	43	0.18	2015	
	22.6	28.1	177.8	1092	4.6	138.9	

## Aviation Cylinders

	Nom. Dimensions					DOT Service Pressure	
	Min. Cylinder Volume	Nom. Cylinder Weight	OD	L	tmin		
	(in3)	(lb)	(in)	(in)	(in)		(psi)
	(liter)	(kg)	(mm)	(mm)	(mm)		(bar)
4 CF	56	2.75	3.56	9.25	0.08	1800	
	0.92	1.25	90.42	235	1.91	124.11	
7 CF	101	3.94	3.56	13.38	0.08	1800	
	1.66	1.79	90.42	339.9	1.91	124.11	
11 CF	152	4.8	3.56	18.75	0.08	1800	
	2.49	2.18	90.42	476.3	1.91	124.11	
22 CF	295	10	5.25	18.25	0.11	1800	
	4.84	4.54	133.4	463.5	2.79	142.11	
38 CF	539	15.47	6.75	19.25	0.14	1800	
	8.83	7.02	171.5	489	3.53	124.11	
39 CF	539	12	6.75	19.12	0.09	1850	
	8.83	5.44	171.5	485.9	2.39	127.55	
48 CF	665	22.37	6.75	23.5	0.14	1800	
	10.9	10.15	171.5	596.9	3.53	124.11	
49 CF	675	14.25	6.75	23.38	0.09	1850	
	11.06	6.46	171.5	593.9	2.39	127.55	
66 CF	890	19.25	7.25	36.56	0.1	1850	
	14.59	8.73	184.2	928.6	2.57	127.55	
76 CF	1050	21.45	7.25	29.75	0.1	1850	
	17.21	9.73	184.2	755.7	2.57	127.55	
114 CF	1520	33	9	29.56	0.12	1850	
	24.91	14.97	228.6	750.8	3.12	127.55	

## ASME Section VIII/Div 1, Appendix-22 Cylinders

	Nom. Dimensions					Maximum Allowable Working Pressure (MAWP)	Approx Air Capacity at Appendix-22 Rated Pressure 7,000 PSI (483 bar)		
	Min. Cylinder Volume	Nom. Cylinder Weight	OD	L	tmin				
	(in3)	(lb)	(in)	(in)	(in)			(psi)	ft <sup>3</sup>
	(liter)	(kg)	(mm)	(mm)	(mm)			(bar)	m <sup>3</sup>
8BA711	2541	400	9.78	54	0.78	7000	537		
	41.6	181.4	248.4	1372	19.9	483	15.2		

### Notes:

<sup>1</sup> Models also available with DOT 3AA2300 specifications