



**SPECIFICATIONS FOR STEEL AND ALUMINUM CYLINDERS
INDUSTRIAL, ACETYLENE MEDICAL AND BEVERAGE INDUSTRIES**

HIGH PRESSURE STEEL INDUSTRIAL CYLINDERS

PART #	SPECIFICATION	WORKING	TEST	OUTSIDE DIA. in (mm)	LENGTH in (mm)	WEIGHT lbs (kgs)	WATER	*OXYGEN VOL.
		PRESSURE psig (bar)	PRESSURE psig (bar)				CAPACITY in ³ (liters)	@ WP + 10% ft ³ (m ³)
5# / 20CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	5.24 (133)	13.38 (340)	10.6 (4.8)	201.4 (3.30)	18.85 (0.53)
10# / 40CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	6.67 (169)	19.49 (495)	22.9 (10.4)	490.6 (8.04)	45.9 (1.30)
15# / 60CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	6.67 (169)	25 (635)	28.2 (12.8)	665.2 (10.9)	62.3 (1.76)
80CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	7 (179)	31.9 (810)	37.7 (17.1)	961.1 (15.75)	90 (2.55)
125CF	DOT-3AA & TC3AAM-174	2265 (156)	3375 (260)	7 (179)	42.7 (1085)	52.9 (24)	1321.2 (21.65)	139 (3.94)
150CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	7.38 (187.5)	46 (1168)	61.6 (27.9)	1630 (26.71)	152.6 (4.32)
50# / 220CF	DOT-3AA & TC3AAM-154	2015 (139)	3360 (232)	9.04 (229.5)	50.6 (1285)	112.4 (51)	2639 (43.3)	277.7 (7.86)
250CF	DOT-3AA & TC3AAM-174	2265 (156)	3375 (260)	9.04 (229.5)	50.6 (1285)	112.4 (51)	2639 (43.3)	277.7 (7.86)
300CF	DOT-3AA & TC3AAM-184	2400 (166)	4000 (276)	9.25 (235)	55 (1397)	128 (58)	2990 (49)	332.8 (9.43)
400CF	DOT-3AA & TC3AAM-184	2400 (166)	4000 (276)	10.5 (267)	59 (1499)	176 (80)	4150 (68)	461.9 (13.08)

ULTRA HIGH PRESSURE STEEL CYLINDERS

UN/ISO4500	9809-2 USA	4500 (310)	6750 (465)	9.4 (239)	51 (1295)	149.9 (68)	2746 (45)	493.2 (13.97)
UN/ISO6000	9809-2 USA	6000 (414)	9000 (621)	9.4 (239)	51.6 (1310)	196.2 (89)	2642 (43.3)	586.6 (16.61)

* 10% Overfill All cylinders are 3/4"-14NGT (Thread Code 12N) except for UN/ISO which are thread code 25E.

All Weights and Dimensions shown are Nominal

Oxygen capacity calculated at Cyl. Min. H2O Volume per NBS Technical Note 1079 @ 70° F. (sea Level)

ASBESTOS-FREE ACETYLENE CYLINDERS

PART #	Acetylene	Acetylene	INTERNAL	DIAMETER I.D. in (mm)	HEIGHT	ACETONE lbs (kg)	TARE WGT.	SHIPPING WEIGHT	
	Capacity ft ³ (m ³)	Capacity ft ³ (m ³)	VOLUMN in ³ (liters)		W/CAP in (mm)		W/O CAP lbs (kgs)	lbs	kgs
10 MC	10 (0.28)	0.68 (0.31)	122 (2.0)	3.81 (97)	15.4 (391)	1.3 (0.59)	7.68 (3.48)	7.64	3.47
40 B	40 (1.13)	2.72 (1.23)	470 (7.7)	6.0 (152)	23.2 (589)	5.1 (2.31)	23.8 (10.77)	23.62	10.71
75CF	75 (2.12)	5.10 (2.31)	855 (14.0)	7.0 (178)	30.75 (781)	9.3 (4.22)	43.3 (19.64)	45.12	20.51
145CF	145 (4.11)	9.68 (4.39)	1538 (25.2)	8.0 (203)	39.5 (1003)	17.9 (8.12)	75.5 (34.25)	77.2	35.02
250CF	250 (7.08)	17.01 (7.72)	2652 (43.5)	10.0 (254)	43.25 (1099)	30.8 (13.97)	117.5 (53.30)	118.88	53.92

ALUMINUM CARBON DIOXIDE CYLINDERS

PART #	WATER CAPACITY			DIAMETER in (mm)	LENGTH in (mm)	CYLINDER	CO2		NITROGEN cu ft
	cu in	lbs	liters			WEIGHT lbs (kgs)	lbs	kgs	
AL-B2.5	102	3.7	1.70	4.38 (111.3)	10.3 (263)	3.3 (1.5)	2.5	1.1	7.2
AL-B5	203	7.4	3.40	5.25 (133.4)	14.2 (361)	6.3 (2.9)	5.0	2.3	14.5
AL-B10	407	14.7	6.70	6.89 (175.0)	16.5 (419)	12.6 (5.7)	10.0	4.5	29.0
AL-B15	612	22.1	10.0	6.89 (175.0)	23.1 (587)	16.8 (7.6)	15.0	6.8	43.3
AL-B20	814	29.4	13.3	8.0 (203.2)	23.2 (589)	23.7 (10.8)	20.0	9.1	57.6
AL-B35	1426	51.5	23.4	8.0 (203.2)	37.8 (960)	35.2 (16.0)	35.0	15.9	100.9
AL-B50	2035	73.5	33.3	8.6 (218.4)	46.3 (1175)	48.3 (21.9)	50	22.7	144.0



CYLINDER SPECIFICATIONS CONTINUED:

ALUMINUM INDUSTRIAL GAS CYLINDERS

PART #	SERVICE PRESSURE psi (bar)	WATER CAPACITY		DIAMETER in (mm)	LENGTH in (mm)	CYLINDER WEIGHT lbs (kgs)	OXYGEN		NITROGEN cu ft
		lbs	ltr				lbs	kgs	
AL-I6	2216 (153)	2.3	1.0	3.21 (81.5)	11.8 (300)	2.3 (1.0)	6.0	170	5.6
AL-I22	2216 (153)	8.5	3.9	5.25 (133.4)	16.3 (414)	8.2 (3.7)	22.0	632	20.4
AL-I33	2216 (153)	13	5.9	6.89 (175.0)	15.3 (388)	13.8 (6.3)	33.7	954	31.2
AL-I48	2216 (153)	18.6	8.4	5.25 (133.4)	32.2 (818)	15.2 (6.9)	48.2	1365	44.6
AL-I60	2216 (153)	23.2	10.5	7.25 (184.2)	22.9 (582)	22.3 (10.1)	60.0	1699	55.4
AL-I190	2216 (153)	37.4	15.7	7.25 (184.2)	32.6 (828)	30.4 (13.7)	90.0	2549	82.9
AL-I122	2216 (153)	47.1	21.4	8.00 (203.2)	36.2 (919)	40.3 (17.9)	122.0	3455	112.9
AL-I150	2015 (139)	63.7	28.9	8.00 (203.2)	47.2 (1198)	49.2 (22.3)	150.0	4248	138.8
AL-I265	2216 (153)	102.2	46.4	9.80 (248.9)	51.7 (1313)	87.7 (34.8)	265.0	7530	245.0

ALUMINUM MEDICAL CYLINDERS

PART #	SERVICE PRESSURE psi (bar)	WATER CAPACITY		LENGTH in (mm)	DIAMETER in (mm)	LENGTH in (mm)	CYLINDER WEIGHT lbs (kgs)	OXYGEN	
		lbs	ltr					cu ft	ltr
AL-M265	2216 (153)	102.2	46.4	51.7 (1313)	9.80 (248.9)	51.7 (1313)	84.7 (34.8)	265	7503
AL-M150	2015 (139)	63.7	28.9	47.2 (1198)	8.00 (203.2)	47.2 (1198)	49.2 (22.3)	150	4248
AL-M122	2216 (153)	47.1	21.4	36.2 (919)	8.00 (203.2)	36.2 (919)	40.3 (17.9)	122	3455
AL-M90	2216 (153)	34.7	15.7	32.7 (830)	7.25 (184.2)	32.7 (830)	30.4 (13.7)	90	2549
AL-M60	2216 (153)	23.2	10.5	23.1 (587)	7.25 (184.2)	23.1 (587)	22.3 (10.1)	60	1699
AL-ME	2015 (139)	10.2	4.6	25.4 (645)	4.28 (111.3)	25.4 (645)	7.8 (3.5)	24	680
AL-M22	2216 (153)	8.5	3.9	16.3 (414)	5.25 (133.4)	16.3 (414)	8.2 (3.7)	22	623
AL-MD	2015 (139)	6.4	2.9	16.7 (424)	4.38 (111.3)	16.7 (424)	5.4 (2.5)	15	425
AL-M9	2015 (139)	3.8	1.7	10.9 (277)	4.38 (111.3)	10.9 (277)	3.8 (1.7)	9	255
AL-M7	2015 (139)	3.0	1.4	9.1 (231)	4.38 (111.3)	9.1 (231)	3.2 (1.5)	7.0	198.0
AL-ML6	2015 (139)	2.5	1.2	7.9 (200)	4.38 (111.3)	7.9 (200)	2.9 (1.3)	6.0	170
AL-M6	2216 (153)	2.3	1.0	11.8 (300)	3.21 (81.5)	11.8 (300)	2.3 (1.0)	6.0	170
AL-M4	2216 (153)	1.5	0.7	8.7 (221)	3.21 (81.5)	8.7 (221)	1.7 (0.8)	4.0	113
AL-M2	2216 (153)	0.06	0.3	5.9 (149)	2.50 (63.5)	5.9 (149)	0.75 (0.34)	1.6	45

Note: All specifications provided are taken from manufacturer published information. Specifications may be subject to change if manufacturer makes any modification to a specific item/size design and will be updated as required.

All dimensions shown are nominal.