

Cylinder specs

Manufacturer & Model	Service pressure (PSI, spec)	Full air capacity (ft3, spec)	Water volume (l, spec)	Outer diameter (in)	Length without valve (in)	Empty weight (lbs, w/o valve*)	Buoyancy Empty (lbs, w/valve)	Buoyancy Full (lbs, w/valve)
ALUMINUM								
Catallina S4	3000	4	0.57	3.21	7.8	1.9	-1.4	-1.6
Catallina S6	3000	6	0.87	3.21	10.8	2.6	-1.2	-1.5
Luxfer S006	3000	6.1	0.88	3.21	10.87	2.72	-1.03	-1.49
Metal Impact S06	3000	6.1	0.90	3.2	11.1	2.5	-1	-1.4
Metal Impact S08	2015	7.6	1.50	4.38	10.8	3.8	2	1.5
Catalina S13	3000	13	1.87	4.38	12.8	5.7	-0.9	-1.8
Metal Impact S13	3000	13.2	1.90	4.4	13.1	6	-0.9	-1.8
Luxfer S13S	3000	13.2	1.90	4.37	12.87	5.94	-0.72	-1.71
Luxfer S014	2015	13.7	2.82	4.4	16.2	4.9	1.8	0.8
Catalina S19	3000	19	2.72	4.38	17.7	7.8	-0.2	-1.5
Luxfer S019	3000	19.9	2.87	4.37	18.56	8.09	0.12	-1.37
Metal Impact S19	3000	19.9	2.90	4.4	18.6	8	-0.1	-1.3
Catalina S20	3000	20	2.88	5.25	13.8	9.2	0	-1.4
Metal Impact S30	3000	30	4.30	5.25	19.3	12.25	0	-1.5
Catalina S30	3000	30	4.31	5.25	19.9	13.6	-0.2	-2.4
Luxfer S030	3000	30	4.31	4.87	21.85	11.61	1.2	-1
Metal Impact S40	3000	40	5.70	5.25	24.6	15.3	2.5	-0.7
Catalina S40	3000	40	5.74	5.25	25.4	16.2	1.4	-1.5
Luxfer S040	3000	40	5.74	5.25	24.6	15.3	1.8	-0.7
Catalina S45	3000	45	6.46	6.89	17.7	20.3	0.5	-2.8
Metal Impact S50	3000	48.4	6.90	6.9	19	21.3	0.8	-2.5
Luxfer S050	3000	48.4	6.95	6.89	19	21.2	1.3	-2.4
Catalina S50	3000	50	7.18	6.89	19.4	21.8	1.2	-2.4
Catalina S53	3000	53	7.60	7.25	19.2	25.1	0.1	-3.8
Catalina C60	3300	60	7.96	7.25	19.9	27.3	-1.2	-5.6
Metal Impact S63	3000	63	9.00	7.25	21.9	26.9	1.7	-2.4
Catalina S63	3000	63	9.05	7.25	21.7	26.9	1.8	-2.8
Luxfer S063	3000	63	9.05	7.25	21.85	26.6	2.6	-2.1
Luxfer S072	3000	69.6	10.00	6.9	26	28.5	3.8	-1.4
Metal Impact AL72	3000	72.1	10.00	6.89	26	27.8	2.8	-0.7
Catalina C80	3300	77.4	10.24	7.25	25.5	34.7	0	-5.8
Luxfer S080N	3300	77.4	10.32	8	22.93	35.12	2.26	-3.6
Metal Impact S80	3000	77.4	11.10	7.25	26.1	31.9	3.3	-1.5
Luxfer S080	3000	77.4	11.11	7.25	26.06	31.38	4.4	-1.4
Catalina S80	3000	77.4	11.11	7.25	25.9	31.3	4.1	-1.6
Metal Impact S100	3300	98.8	12.20	8	26.2	41.1	-1.9	-4.6

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Luxfer S100	3300	98.8	13.18	8	26.2	41.1	2.8	-4.6
Catalina C100	3300	100	13.22	8	26.5	42	2.2	-5.2

STEEL

OMS C8	2640	7.87	1.20	3.58	11.25	5	-1.61	-2.23
OMS C13	2640	13	2.00	3.9	14	5.9	-2.25	-3.31
Faber FX15DV	3442	15	2.00	3.94	14.17	6.6	-1.21	-2.42
OMS C20	2640	20	3.00	3.9	19.5	7.5	-1.5	-3
Faber FX23DV	3442	23	3.00	3.94	19.5	8.6	-0.66	-2.64
Faber L27DV	2640	25	4.00	5.46	14.43	11.7	-1.07	-2.95
Worthington LP27	2640	27	4.30	5.5	14.5	11.9	-1	-3
PST LP 45	2640	45	7.16	5.5	23	19.6	-0.5	-3.7
OMS C45	2640	46	7.00	5.5	23	17.6	0	-4
Faber L50DVB	2640	48.7	8.00	5.51	25.2	18.9	1.24	-2.43
OMS C50	2640	50	7.80	5.5	25.2	19.92	-1.5	-4.8
PST E7-65	3442	65	8.28	7.25	16.75	23.2	-1.5	-6.4
OMS C66	2640	66	10.00	7	21	25	1.67	-5.15
Worthington X7-65	3442	66.4	8.20	7.25	16.7	25.1	-3.9	-8.7
Faber FX71DVB	3442	71	9.00	6.73	21.26	24.7	-1.4	-6.97
Faber M71DVB	3300	71	9.00	6.84	20.47	28.7	0.9	-4.35
PST MP 72	3300	71.2	9.42	6.9	20.75	30	-6	-11.4
Worthington LP77	2640	77	12.00	7.25	23.2	32.5	-1	-6.8
PST E7-80	3442	80	10.19	7.25	19.75	26	-3.3	-9.3
Faber HP80-HDG	3442	80	10.20	7.25	20.8	28.3	-1.74	-8.05
PST LP 80	2640	80.6	12.86	7.25	24	34.4	-1	-7
Worthington X7-80	3442	81	10.10	7.25	19.8	29.9	-3	-9
Faber L85DVB	2640	81.1	13.00	7.01	25.98	31.2	2.32	-3.8
Worthington LP85	2640	82.9	12.80	7.25	24.7	36.8	-0.7	-7.1
OMS C85	2640	85	13.00	7	26	31	0	-6.7
Worthington LP95	2640	93.3	14.80	8	23.7	36.8	-0.7	-7.1
Faber L95DVB	2640	95	15.00	8.02	23.82	37.2	1.69	-5.37
OMS C98	2640	98	15.00	8	24	38	0	-7.73
Worthington X7-100	3442	99.5	12.20	7.25	22.7	33.1	-2.5	-10
Faber M100DVB	3498	100	12.00	7.24	24.21	38.7	-6.69	-14.11
PST E7-100	3442	100	12.73	7.25	24	32	-1.3	-8.8
Faber HP100-HDG	3442	100	12.90	7.25	25.3	34	-0.59	-8.41
Faber L108DVB	2640	108	17.00	8.02	26.77	41	2.98	-5.02
Worthington LP108	2640	108.6	16.80	8	26.5	45.95	-2.6	-10.7
OMS C108	2640	112	17.00	8	26	41	-1	-8
Faber HP117-HDG	3442	117	15.00	8	24.2	37.6	0.35	-9.12
PST E8-119	3442	119	15.17	8	24	39.3	-3.3	-12.2
PST E7-120	3442	120	15.29	7.25	28	36.6	-1.3	-10.3

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Faber HP120-HDG	3442	120	15.30	7.25	29.1	39.2	0.65	-8.82
Worthington LP121	2640	120	18.90	8	29.2	49.9	-2	-11.1
Faber L120DVB	2640	120	19.00	8.02	29.33	44.9	4.07	-4.87
Worthington X7-120	3442	120.6	15.30	7.25	27.7	39.7	-2	-11
Worthington X8-119	3442	123	14.80	8	23.9	42.5	-2	-10.9
OMS C121	2640	125	19.00	8	29	45	0	-9.5
PST E8-130	3442	130	16.60	8	25.56	42.2	-4.8	-14.6
OMS C135	2640	131	20.00	8	30.7	47	0.75	-10.3
Worthington X8-130	3442	131.4	16.00	8	25.3	44.7	-2	-11.7
Faber HP133-HDG	3442	133	17.00	8	26.85	42.4	1.45	-9.08
PST E8-149	3442	149	18.98	8	29.37	47.5	-1.7	-12.8
Faber FX149DVB	3442	149	19.00	8.02	29.53	46.9	2.35	-9.41

NOTE: For Faber, there are only minimal differences between Hot-dip (XS Scuba) and Sp
NOTE: For OMS, the weights are listed **with** valve

Ref:	URL:
Z Factors	https://www.divegearexpress.com/library/articles/zfactors-for-scuba
Catalina	https://www.catalinacylinders.com/support/specifications/
Catalina S20	https://www.divegearexpress.com/catalina-all
Faber Cylinders	http://www.bluesteelscuba.com/cylinder-specifications.html
Faber HDG	https://www.xsscuba.com/faberhotdipgalvanizedcylinders/
	NOTE: The differences between Blue Steel (Spray/Epoxy) and XS
Luxfer L6X	http://www.luxfercylinders.com/products/l6x-aluminium-cylinder#technical-specifications
Luxfer S014 / S072	http://www.tek-side.com/public/doc_download/archive/Luxfer_Scuba_Cylinders
Metal Impact	https://metalimpact.com/products-capabilities/scuba-cylinders
PST Cylinders	http://www.cavediver.net/archives/Gear/tanks/PST-TANKS-ESERIES
Worthington	http://www.drexler.ca/diving/images/products/worthington_steel_specs
OMS	Paper Scan posted at https://www.scubaboard.com/community/attachment.php?attachmentid=100000
	NOTE: OMS Weights are listed as WITH valve

Removed from list:

Luxfer 72	Could not find a manufacturer's spec
Luxfer 92	Could not find a manufacturer's spec
All Heiser	No one should dive these dangerously heavy tanks. And could not find a manufacturer's spec
PST HP (3500)	Relatively close to the PST E7/E8 (3442), and could not find a manufacturer's spec
PST LP 95	Could not find a manufacturer's spec
PST LP 104	Could not find a manufacturer's spec
PST LP 120	Could not find a manufacturer's spec
Faber LP 80	Could not find a manufacturer's spec
Faber MP 80	Could not find a manufacturer's spec
Faber MP 120	Could not find a manufacturer's spec

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ray/Epoxy (Blue Steel). Only HDG is listed when they overlap.

uminum-20-3l-cylinder-for-ccr

Scuba (Hot Dip) are minimal.

1-spec

1_Tanks.pdf

S2.pdf

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spec