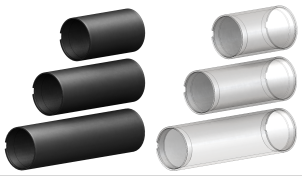
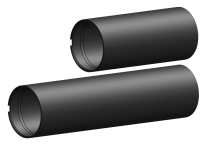
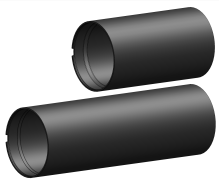
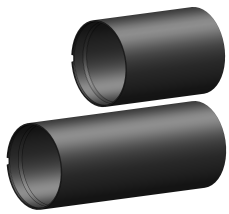
BlueRobotics

Watertight Enclosures (WTE) Technical Specifications

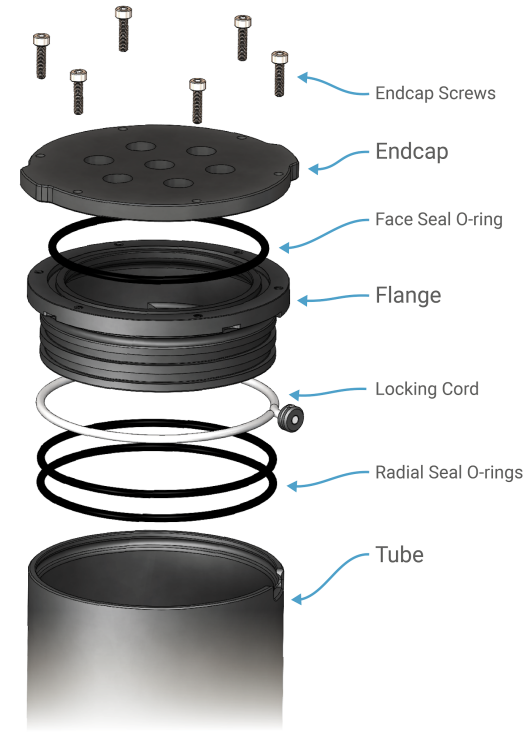
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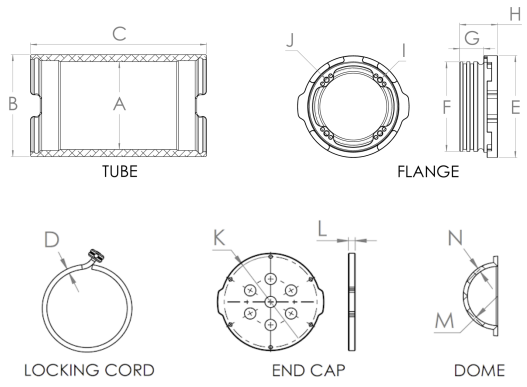
Tubes

Series Diameter [mm]		Tube Material / Finish	(A) Tube ID [mm]	(B) Tube OD [mm]	(C) Overall Length [1] [mm]	Weight [g]	Depth Rating [2] [msw]	Item Number
	**50** (2")	6061-T6 Aluminum, Anodized	Ø50.0 ± 0.5	Ø58.0 ± 0.2	100	169	1000	**BR-106277-100**
					150	261		**BR-106277-150**
					300	536		**BR-106277-300**
		Cast Acrylic	Ø49.5 ± 1.5	Ø58.0 ±1.0	100	75	225	**BR-100230-101**
					150	115	130	**BR-100230-151**
					300	238	100	**BR-100230-301**
	**75** (3")	6061-T6 Aluminum, Anodized	Ø79.0 ± 0.5	Ø86.5 ± 0.3	150	328	1000	**BR-106278-150**
					240	530		**BR-106278-240**
					300	665		**BR-106278-300**
					400	890		**BR-106278-400**
		Cast Acrylic	Ø76.2 ± 2.0	Ø88.9 ± 0.7	150	264	275	**BR-102649-150**
					240	442	150	**BR-102649-240**
					300	560	135	**BR-102649-300**
					400	758	120	**BR-102649-400**
	**100** (4")	6061-T6 Aluminum, Anodized	Ø103.0 ± 0.5	Ø112.0 ± 0.3	200	707	1000	**BR-106279-200**
					300	1066	1000	**BR-106279-300**
					400	1426	900	**BR-106279-400**
		Cast Acrylic	Ø101.6 ± 2.1	Ø114.3 ± 0.8	200	488	140	**BR-101052-200**
					300	746	100	**BR-101052-300**
					400	1004	60	**BR-101052-400**
	**130** (5")	6061-T6 Aluminum, Anodized	Ø130 ± 0.5	Ø138.7 ± 0.3	300	1450	1000	**BR-106280-300**
					500	2441	650	**BR-106280-500**
	**150** (6")	6061-T6 Aluminum, Anodized	Ø150 ± 0.5	Ø163.9 ± 0.3	300	2510	800	**BR-106281-300**
					500	4360	800	**BR-106281-500**
	**200** (8")	6061-T6 Aluminum, Anodized	Ø200 ± 0.5	Ø214.2 ± 0.3	300	3420	800	**BR-106282-300**
					500	5915	800	**BR-106282-500**

[1] *Overall tube length tolerance ± 0.5 mm*

[2] *The depth ratings for cast acrylic components are applicable only for short-term submersions of less than two weeks. For longer submersion, use aluminum components only.*





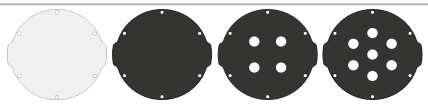
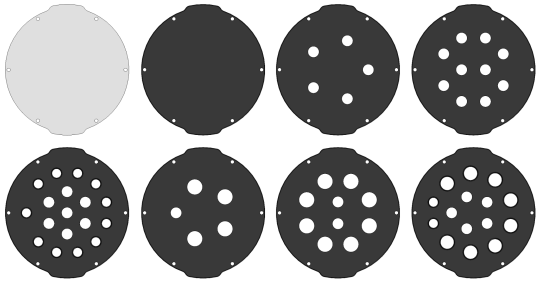
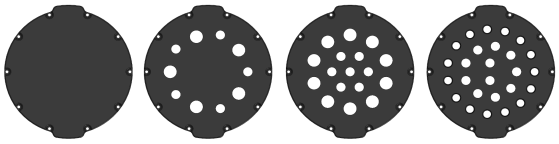
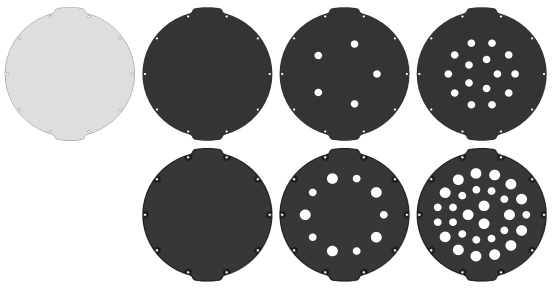
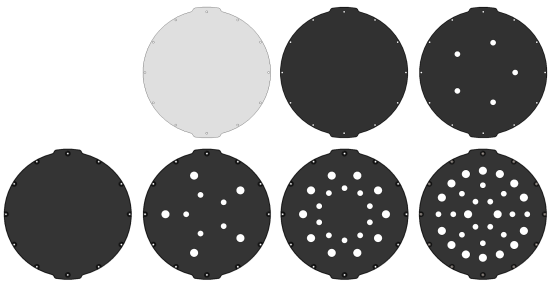
Flanges

Series Diameter [mm]		Face Seal O-ring	Radial Seal O-ring	Material / Finish	(D) Locking Cord Diameter [mm]	(E) Flange OD [mm]	(F) Piston Diameter [mm]	(G) Piston Length [mm]	(H) Overall Length [mm]	(I) Inner Mounting Holes	(J) Inner Mounting Hole Circle	Weight [g]	Item Number
	**50** (2")	-030 Buna-N 70A	-031 Buna-N 70A	6061-T6 Aluminum, Anodized	2.8 ± 0.2	Ø58.0 ± 0.1	Ø50.93 ± 0.05	15.5 ± 0.1	21.5 ± 0.1	4x M3x0.5	Ø43.0 ± 0.1	41	**BR-100276-998**
	**75** (3")	-148 Buna-N 70A	-150 Buna-N 70A			Ø88.9 ± 0.1	Ø79.93 ± 0.05	19.1 ± 0.1	27.0 ± 0.1		Ø68.6 ± 0.1	81	**BR-100647**
	**100** (4")	-154 Buna-N 70A	-154 Buna-N 70A			Ø114.3 ± 0.1	Ø103.91 ± 0.05				Ø94.0 ± 0.1	107	**BR-100665**
	**130** (5")	-157 Buna-N 70A	-248 Buna-N 70A			Ø137.7 ± 0.1	Ø130.89 ± 0.05	28.0 ± 0.1	34.0 ± 0.1	8x M3x0.5	Ø115.0 ± 0.1	238	**BR-102200**
	**150** (6")	-162 Buna-N 70A	-255 Buna-N 70A			Ø165.4 ± 0.1	Ø156.40 ± 0.06	30.0 ± 0.1	36.0 ± 0.1		Ø142.0 ± 0.1	308	**BR-102201**
	**200** (8")	-170 Buna-N 70A	-265 Buna-N 70A			Ø215.7 ± 0.1	Ø205.91 ± 0.07	30.0 ± 0.1	36.0 ± 0.1		Ø186.0 ± 0.1	540	**BR-102202**

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End Caps

Series Diameter [mm]		Material	Hole Configuration	Endcap Screws (SS316 Socket Head Cap Screws)	(K) Endcap Screw Hole Circle	(L) Thickness [mm]	Weight [g]	Depth Rating[2] [msw]	Item Number
Warning: Images not to scale		Cast Acrylic	Blank (No holes)	6x M2x0.4-10	Ø50.8 ± 0.1	6 (4.85 min, 6.63 max)	17	500	**BR-100094**
	**50** (2")	6061-T6 Aluminum, Anodized	Blank (No holes)	Note: Flange integral to endcap, does not require separate flange			63	1000	**BR-100276-999**
			2x M10 Hole				59		**BR-100276-002**
			4x M10x1.5 Threaded				58		**BR-100276-004**
			1x M10 Hole 8x M6x1 Threaded				60		**BR-100276-009**
	**75** (3")	Cast Acrylic	Blank (No holes)	6x M3x0.5-12	Ø82.6 ± 0.1	9 (7.47 min, 9.75 max)	58	400	**BR-100949-998**
		6061-T6 Aluminum, Anodized	Blank (No holes)			6 ± 0.1	102	1000	**BR-100949-999**
			4x M10 Hole				97		**BR-100949-004**
			7x M10 Hole				93		**BR-100949-007**
	**100** (4")	Cast Acrylic	Blank (No holes)	6x M3x0.5-16	Ø108.0 ± 0.1	12.7 (10.20 min, 12.75 max)	135	300	**BR-102993-998**
		6061-T6 Aluminum, Anodized	Blank (No holes)	6x M3x0.5-12		10 ± 0.1	234	1000	**BR-102993-999**
			5x M10 Hole				223		**BR-102993-005**
			10x M10 Hole				212		**BR-102993-002**
			7x M10 Hole 11x M10x1.5 Threaded				196		**BR-102993-003**
			4x M14 Hole 1x M10 Hole				215		**BR-102993-004**
			8x M14 Hole 2x M10 Hole				195		**BR-102993-006**
			8x M14x1.5 Threaded 5x M10 Hole 2x M10x1.5 Threaded				186		**BR-102993-007**
	**130** (5")	7075-T6 Aluminum, Anodized	Blank (No holes)	10x M3x0.5-12	Ø133.0 ± 0.1	10 ± 0.1	427	1000	**BR-102203-001**
			5x M14 Hole 5x M10 Hole				393		**BR-102203-002**
			10x M14 Hole 7x M10 Hole				367		**BR-102203-003**
			11x M10 Hole 15x M10x1.5 Threaded				369		**BR-102203-004**
	**150** (6")	Cast Acrylic	Blank (No holes)	10x M3x0.5-16	Ø158.7 ± 0.1	12.7 (10.20 min, 12.75 max)	331	150	**BR-100273-004**
		6061-T6 Aluminum, Anodized	Blank (No holes)	10x M3x0.5-12		6 ± 0.1	359	150	**BR-100273-003**
			5x M10 Hole				353		**BR-100273-002**
			15x M10 Hole				339		**BR-100273-001**
		7075-T6 Aluminum, Anodized	Blank (No holes)			12 ± 0.1	687	1000	**BR-102205-001**
			5x M10 Hole 5x M14 Hole				647	1000	**BR-102205-002**
			16x M14 Hole 13x M10 Hole				566	1000	**BR-102205-003**
	**200** (8")	Cast Acrylic	Blank (No holes)	12x M3x0.5-16	Ø209.1 ± 0.1	12.7 (10.20 min, 12.75 max)	564	75	**BR-101065-003**
		6061-T6 Aluminum, Anodized	Blank (No holes)	12x M3x0.5-12		6 ± 0.1	599	75	**BR-101065-002**
			5x M10 Hole				592		**BR-101065-001**
		7075-T6 Aluminum, Anodized	Blank (No holes)			16 ± 0.1	1458	1000	**BR-102206-001**
			5x M10 Hole 5x M14 Hole				1370		**BR-102206-002**
			10x M10 Hole 10x M14 Hole				1283		**BR-102206-003**
			16x M14 Hole 14x M10 Hole				1191		**BR-102206-004**

Domes

Series Diameter [mm]		Material	(M) Dome Internal Radius [mm]	(N) Dome Wall Thickness [mm]	Weight [g]	Depth Rating [msw]	Item Number
	**50** (2")	Hardened PC Dome PC Retaining Ring	18.0 ± 0.1	2.50 ± 0.10	15	1000	**BR-100859**
	**75** (3")	Hardened PC Dome PC Retaining Ring	31.25 ± 0.10	3.1 ± 0.1	39	750	**BR-101059**
	**100** (4")	Hardened PC Dome PC Retaining Ring	43.5 ± 0.1	3.75 ± 0.10	81	500	**BR-100495**
		Hardened PC Dome Alum. Retaining Ring	44.0 ± 0.1	5.8 ± 0.10	160	1000	**BR-107201**
	**130** (5")	Hardened PC Dome PC Retaining Ring	53.5 ± 0.05	7.00 ± 0.05	195	600	**BR-102597**

