

FLUID DYNAMICS PRODUCT SPECIFICATIONS																			
	STEELHEAD COMPOSITES			COORSTEK						FLOWGUARD									
	POWERMAX 6000	ACCULITE 300	GAS BOTTLE	PE	CT	ZM	RD	NIX	DC	DS	DP	FG	HG	FB	FD	RD	FP	TD	
Physical Characteristics																			
Pressure rating MAWP	6000 (414 Bar)	300 (21 Bar)	6000 (414 Bar)	6170 (425 Bar)	6170 (425 Bar)	12000 (827 Bar)	3705 (255 Bar)	3000 (206 Bar)	6170 (425 Bar)	7000 (475 Bar)	150 (10 Bar)	7000 (475 Bar)	14993 (1034 Bar)	217 (475 Bar)	6235 (430 Bar)	2175 (150 Bar)	14993 (1034 Bar)	2900 (200 Bar)	
Temp Rating MAWT (special materials may apply)	-20° to 185°F (-30° to 85°C)	-20° to 185°F (-30° to 85°C)		-50° to 300°F (-45° to 149°C)	-20° to 300°F (-29° to 149°C)	-50° to 500°F (-45° to 260°C)	-20° to 300°F (-29° to 149°C)	-20° to 350°F (-29° to 176°C)	-20° to 300°F (-29° to 149°C)	-32° to 122°F (0° to 100°C)	-41° to 86°F (5° to 30°C)	-58° to 122°F (-50° to 100°C)	-58° to 122°F (-50° to 100°C)	-32° to 392°F (0° to 200°C)	-32° to 392°F (0° to 200°C)	-58° to 122°F (-50° to 100°C)	-58° to 122°F (-50° to 100°C)	-58° to 122°F (-50° to 100°C)	
Nominal Volume gal. (L) (special sizing available)	1 - 30 (19-113)	11.5 - 40 (44 - 151)	1.33 - 9.49 cu ft (38 - 270)	0.15 - 9.1 (.6 - 34.5)	1.0 - 10 (3.79 - 37.9)	.06 - 151 (.23 - 571)	0.15 - 9.1 (.6 - 34.5)	.4 - 8.19 (1.6 - 31)	1.0 - 10 (3.79 - 37.9)	0.026 - 2.64 (0.1 - 10)	0.026 - 2.64 (0.1 - 10)	0.026 - 53.0 (0.1 to 200)	0.026 - 4.0 (0.1 - 15)	0.013 - 53.0 (0.05 - 200)	0.013 - 4.0 (0.05 - 15)	0.002 - 0.032 (0.08 - 0.12)	1.0 - 100 (1.0 - 50)	0.026 - 7.4 (0.1 - 30)	
Weight Range lbs. (KG)	72 - 242 (33 - 110)	51 - 107 (23 - 49)	128 - 400 (58 - 178)	66 - 750 (30 - 340)	250 - 1237 (113 - 567)	Varies by size/ pressure	Varies by size/ pressure	66 - 750 (30 - 340)	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	Varies by size/ pressure	
Height Range Inch (mm)	26 - 96 (66 - 2438)	46 - 100 (1168 - 2540)	21 - 108 (533 - 2743)	21 - 63 (533 - 1600)	23 - 26 (584 - 660)	6 - 120Ø (152 - 3048)	12 - 96 (304 - 2438)	4 - 10Ø (101 - 254)	6 - 120Ø (152 - 3048)	5.7" - 8.7" (145 - 700)	6.1" - 27.0" (155 - 685)	2.6" - 65" (65 - 1650)	6.7" - 33.3" (170 - 845)	4.5" - 30.7" (115 - 780)	2.8" - 8.7" (73 - 220)	3.5" (90)	7.8" - 118" (200 - 3000)	15.7" - 51" (400 - 1300)	
Max Diameter Inch (mm)	12.0 (305)	10.5 - 12.0 (267 - 305)	12.0 - 17.13 (305 - 435)	10.5 (267)	13 - 23.5 (330 - 596)	120Ø (3048)	51 (1295)	8.5 (216)	120Ø (3048)	2.6" - 8.7" (65 - 220)	3.2" - 9.8" (80 - 250)	2.6" - 12.8" (65 - 325)	3.0" - 11.8" (76 - 300)	4.5" - 23.6" (115 - 600)	5.5" - 23.6" (139 - 600)	3.2" (80)	2.0" - 10.2" (50 - 260)	4" - 11.8" (100 - 300)	
Abrasive Applications	4	4	4	1	1	3	3	4	3	4	4	4	4	4	4	4	NR	1	
Bottom Repairable	✓	✓				NA		✓											
Top Repairable	✓	✓		✓	✓	NA	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ease of Maintenance	2	2	2	2	2	1	2	3	2	2	2	2	2	2	2	2	2	3	
Chemical Resistance (Shell)	3	3	3	1	2	1	1.5	2	1.5	1	1	1	1	1	1	1	1	1	
Chemical Resistance (Elastomer)	3	3	3	2	2	NA	2	2	2	1	1	1	1	1	1	2	1	1	
Applications																			
Food Grade (CIP)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1
Hydraulics	1	1	1	3	3	2	2	4	2	1	NR	1	1	NR	NR	NR	1	NR	
Storage Containment			1	NR	NR	NR	NR	NR	NR									1	
Water Hammer				2	3	NR	1	3	2	1	1	1	1	1	1	1	NR	1	
Chemical Injection	3	3	3	1	2	1	NR	2	NR	1	1	1	1	1	1	1	NR	NR	
Thermal Expansion	1	1	1	1	2	NR	4	2	2	1	NR	1	1	1	1	NR	1	NR	
Midstream Oil & Gas	2	2	2	1	1	1	1	2	2	1	NR	1	1	1	1	1	1	NR	
Downstream Oil & Gas	2	2	1	1	1	1	1	1	1	1	NR	1	1	1	1	1	1	NR	
Upstream Oil & Gas	2	2	1	1	1	1	1	1	1	1	NR	1	1	1	1	1	1	1	
Machinery	1	1	1	4	4	1	4	2	NR	2	NR	2	2	NR	NR	NR	1	NR	
Certification																			
ASME (Design Only)				✓	✓	✓	✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓	✓	
ASME (Code Stamped)				✓	✓	✓	✓	✓	✓	NA	NA	✓	✓	✓	✓	✓	✓	✓	
CE	✓	Working Towards		NA	NA				NA	✓	NA	✓	✓	✓	✓	✓	✓	✓	
CRN				✓	✓	✓	✓	NA	✓	NA	NA	✓	✓	✓	✓	✓	✓	✓	
NR13				✓		✓			✓	NA	NA	✓	✓	✓	✓	✓	✓	✓	
PD5500				NA						✓	NA	✓	✓	✓	✓	✓	✓	✓	
PED				NA						NA	NA	✓	✓	✓	✓	✓	✓	✓	
ATEX				NA						NA	NA	✓	✓	✓	✓	✓	✓	✓	
CIP	ISO1119 Surrogate			NA						NA	NA	NA	NA	NA	NA	✓	NA	✓	
DNV										NA	NA	NA	NA	NA	NA	✓	NA	✓	

KEY					
1 - Excellent	2 - Good	3 - Fair	4 - Poor	NR - Not Recommended	NA - Not Available

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*The chart is intended to illustrate typical properties. Property values vary with method of manufacture, size, and shape of part. Data contained herein is not to be construed as absolute and does not constitute a representation or warranty for which CoorsTek assumes legal responsibility. Close control of values of most properties can be maintained if specified.