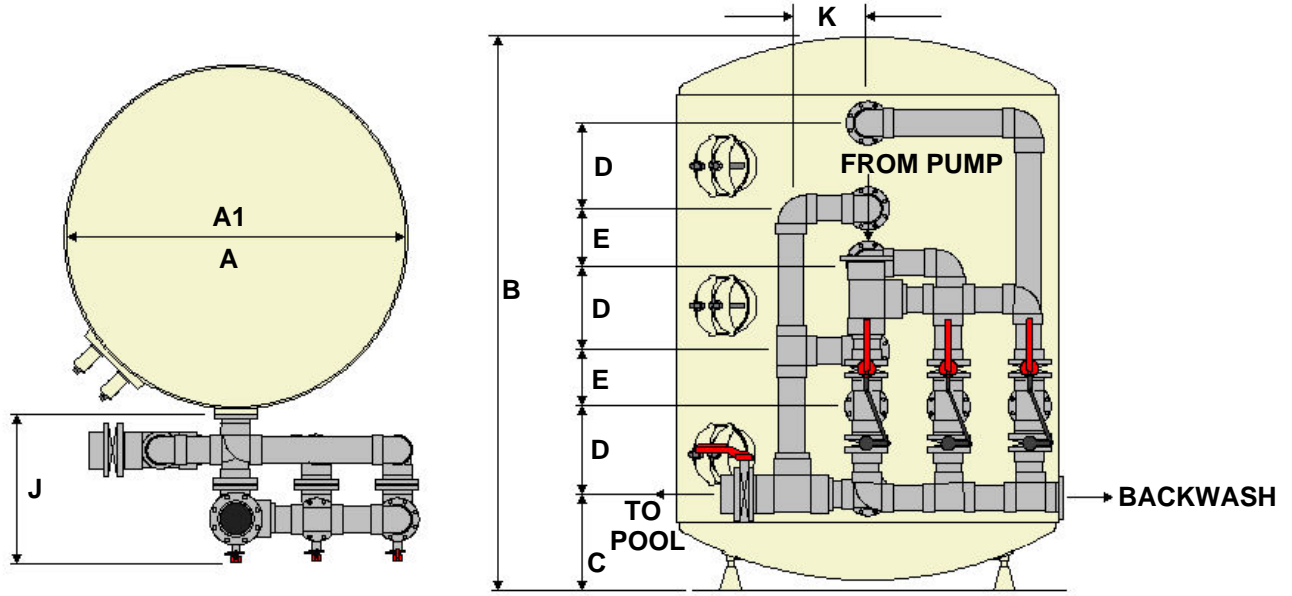


# Model STC/DTC Triple Cell Sand Filters

## Face Piping Configurations



**Model STC**

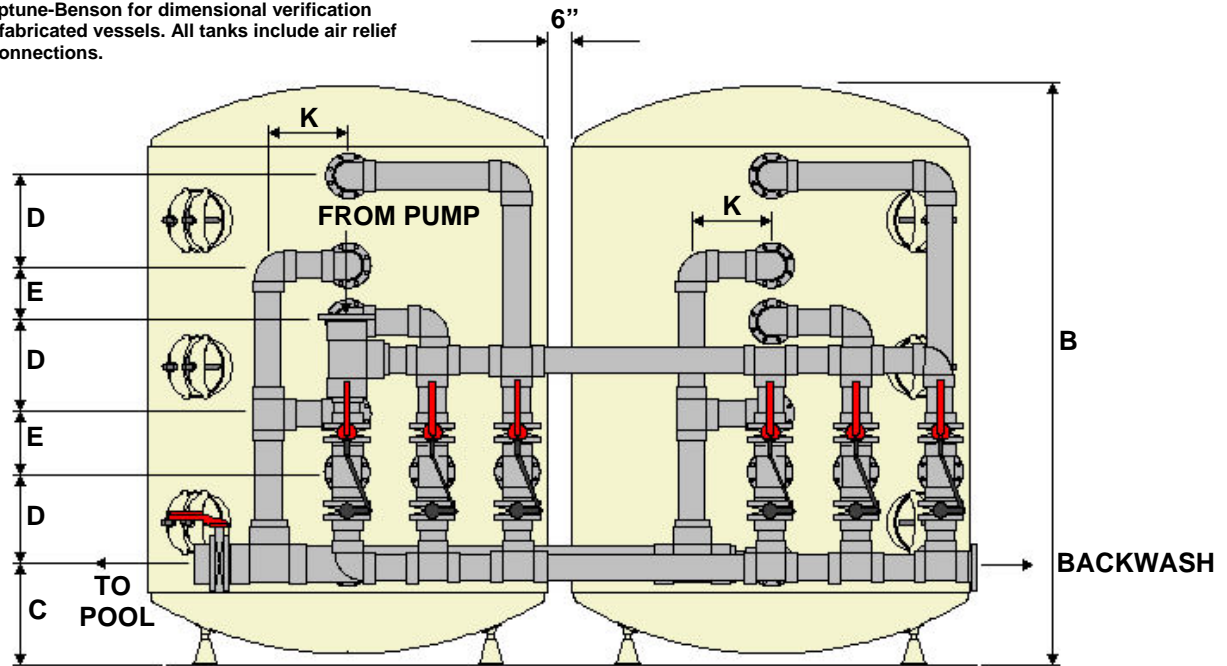
**Tank Lining Definition:**  
 Standard Epoxy  
 Flexsol 3000™

**Tank Options:**  
 Carbon Steel  
 Stainless Steel  
 A.S.M.E.

All dimensions are in inches  
**Face Piping Dimensions**

Dimensions	Face Piping Size									
	Single Tank				Dual Tank					
	3	4	6	8	4x3	6x4	6x6	8x6	10x6	10x8
J	-	-	-	-	26	31	41	41	41	54
K	19	22	28	37	21	26	30	33	39	42

**Note:** All dimensions are based on steel construction, 50 psi operating pressure and 75 psi hydrostatic test. Consult Neptune-Benson for dimensional verification on custom fabricated vessels. All tanks include air relief and drain connections.

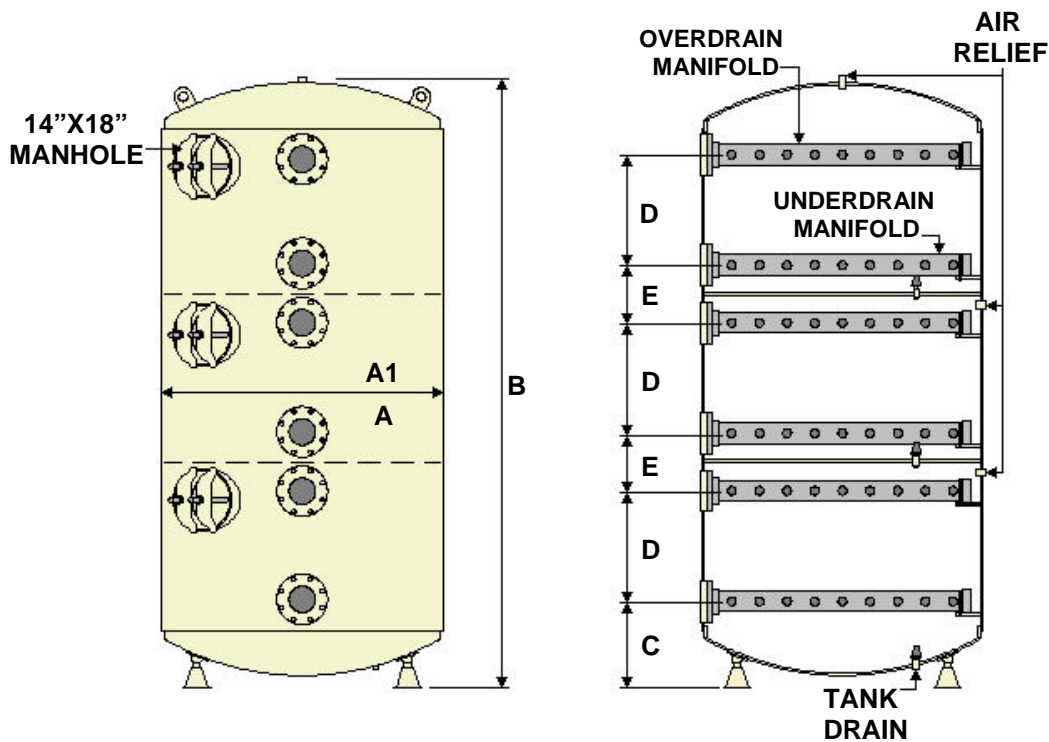


**Model DTC**



# Model STC/DTC Triple Cell Sand Filters

## Physical Capacity and Dimensional Information



Filter Model Number	Tank Conn	Filter Area (SF)	Flow Capacity (GPM)	Filter Rate (GPM/SF)	All dimensions are in inches								Tank Shipping Weight (LBS)	Operating Weight (LBS)
					A*	A1*	B	C	D	E	G*	H*		
42 STC-3	3	28.8	144-576	5-20	42	42 3/8	127	16 1/16	24 3/4	11 1/2	3/16	3/16	1600	11327
48 STC-3	3	37.7	188-603	5-16	48	48 3/8	128 3/8	16 13/16	24 3/4	11 1/2	3/16	3/16	1900	14170
48 STC-4	4	37.7	604-754	17-20	48	48 3/8	128 3/8	17 13/16	23 3/4	12 1/2	3/16	3/16	2000	14170
54 STC-3	3	47.7	238-572	5-12	54	54 3/8	130 3/8	17 13/16	24 3/4	11 1/2	1/4	3/16	2300	18499
54 STC-4	4	47.7	573-954	13-20	54	54 3/8	130 3/8	18 13/16	23 3/4	12 1/2	1/4	3/16	2400	18499
60 STC-4	4	58.9	294-1178	5-20	60	60 3/8	131	18 5/8	23 3/4	12 1/2	1/4	3/16	2750	22642
66 STC-4	4	71.3	356-1069	5-15	66	66 1/2	132 1/2	19 3/8	23 3/4	12 1/2	1/4	1/4	3550	28128
66 STC-6	6	71.3	1070-1426	16-20	66	66 1/2	132 1/2	30 3/8	21 3/4	14 1/2	1/4	1/4	3700	28128
72 STC-4	4	84.8	424-1017	5-12	72	72 1/2	134 1/8	20 3/16	23 3/4	12 1/2	1/4	1/4	4000	33132
72 STC-6	6	84.8	1018-1696	13-20	72	72 1/2	134 1/8	21 3/16	21 3/4	14 1/2	1/4	1/4	4150	33132
78 STC-6	6	99.5	497-1990	5-20	78	78 1/2	136	22 1/8	21 3/4	14 1/2	5/16	1/4	4800	38958
84 STC-6	6	115.5	557-2310	5-20	84	84 1/2	137 1/2	22 15/16	21 3/4	14 1/2	5/16	1/4	5350	44844
90 STC-6	6	132.5	662-2650	5-20	90	90 1/2	139 1/8	23 3/4	21 3/4	14 1/2	5/16	1/4	5900	52049
96 STC-6	6	150.8	754-2412	5-16	96	96 1/2	140 3/4	24 9/16	21 3/4	14 1/2	5/16	1/4	6500	61955
96 STC-8	8	150.8	2413-3016	17-20	96	96 1/2	146 3/4	25 9/16	19 3/4	16 1/2	5/16	1/4	6900	61955
102 STC-6	6	170.2	851-2382	5-14	102	102 5/8	142 5/8	25 1/2	21 3/4	14 1/2	3/8	5/16	8000	67743
102 STC-8	8	170.2	2383-3404	15-20	102	102 5/8	148 5/8	26 1/2	19 3/4	16 1/2	3/8	5/16	8450	67743
108 STC-6	6	190.9	954-2481	5-13	108	108 5/8	144 1/8	26 1/4	21 3/4	14 1/2	3/8	5/16	8750	80400
108 STC-8	8	190.9	2482-3818	14-20	108	108 5/8	150 1/8	27 1/4	19 3/4	16 1/2	3/8	5/16	9200	80400
114 STC-6	6	212.6	1063-2551	5-12	114	114 5/8	145 3/4	27 1/16	21 3/4	14 1/2	3/8	5/16	9500	88663
114 STC-8	8	212.6	2552-4252	13-20	114	114 5/8	151 3/4	28 1/16	19 3/4	16 1/2	3/8	5/16	10000	88663
120 STC-6	6	235.6	1178-2827	5-12	120	120 5/8	148 3/8	28 7/8	21 3/4	14 1/2	3/8	5/16	10000	98882
120 STC-8	8	235.6	2828-4712	13-20	120	120 5/8	154 3/8	29 7/8	19 3/4	16 1/2	3/8	5/16	10850	98882

Note: Tabulated data represents standard non-ASME construction. Consult Neptune-Benson for verification on ASME certified and custom fabricated vessels.

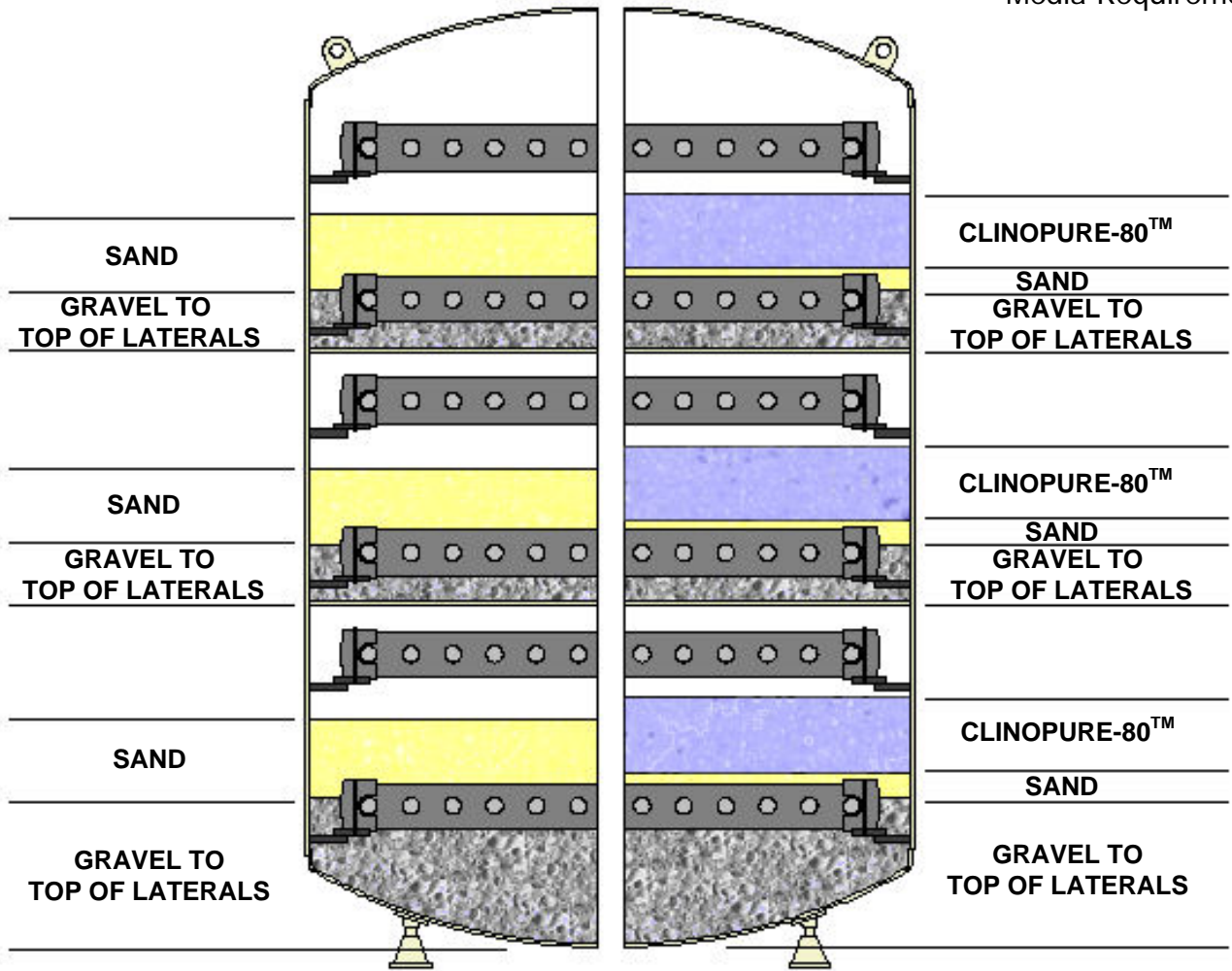
G\* = Head Thickness; H\* = Shell Thickness  
 A\* = Inside Diameter  
 A1\* = Outside Diameter

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# Model STC/DTC Triple Cell Sand Filters

## Media Requirements



**STANDARD MEDIA CHART**

**CLINOPURE-80™ HYBRID MIX CHART**

All dimensions are in inches

Filter Model Number	Tank Conn	Gravel (CF)	Filter Sand (CF)	Gravel Depth	Sand
42 STC-3	3	18	31	6	13
48 STC-3	3	24	41	6	13
48 STC-4	4	27	38	7	12
54 STC-3	3	31	52	6	13
54 STC-4	4	35	48	7	12
60 STC-4	4	43	59	7	12
66 STC-4	4	53	71	7	12
66 STC-6	6	59	71	8	12
72 STC-4	4	65	85	7	12
72 STC-6	6	72	85	8	12
78 STC-6	6	85	100	8	12
84 STC-6	6	100	115	8	12
90 STC-6	6	116	133	8	12
96 STC-6	6	133	151	8	12
96 STC-8	8	146	151	9	12
102 STC-6	6	153	170	8	12
102 STC-8	8	167	170	9	12
108 STC-6	6	174	191	8	12
108 STC-8	8	190	191	9	12
114 STC-6	6	196	213	8	12
114 STC-8	8	214	213	9	12
120 STC-6	6	221	236	8	12
120 STC-8	8	240	236	9	12

All dimensions are in inches

Filter Model Number	Tank Conn	Gravel (CF)	Filter Sand (CF)	Clino-Pure80 (CF)	Gravel Depth	Sand	Clino Depth
42 STC-3	3	18	7	29	6	3	12
48 STC-3	3	24	9	38	6	3	12
48 STC-4	4	27	9	35	7	3	11
54 STC-3	3	31	12	48	6	3	12
54 STC-4	4	35	12	44	7	3	11
60 STC-4	4	43	15	54	7	3	11
66 STC-4	4	53	18	65	7	3	11
66 STC-6	6	59	18	65	8	3	11
72 STC-4	4	65	21	78	7	3	11
72 STC-6	6	72	21	78	8	3	11
78 STC-6	6	85	25	91	8	3	11
84 STC-6	6	100	29	106	8	3	11
90 STC-6	6	116	33	121	8	3	11
96 STC-6	6	133	38	138	8	3	11
96 STC-8	8	146	38	138	9	3	11
102 STC-6	6	153	43	156	8	3	11
102 STC-8	8	167	43	156	9	3	11
108 STC-6	6	174	48	175	8	3	11
108 STC-8	8	190	48	175	9	3	11
114 STC-6	6	196	53	195	8	3	11
114 STC-8	8	214	53	195	9	3	11
120 STC-6	6	221	59	216	8	3	11
120 STC-8	8	240	59	216	9	3	11

NOTE: Gravel depth for upper cell only, bottom cell gravel depth varies from tank to tank.

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