

TERTIARY FILTER DIMENSIONAL DATA

Filter Drawing Number	Filter Model Number	Design Flow Gal / Day See Note 1	Filter Cell Length Dim. -A- See Note 2	Clearwell Tank Length Dim. -B-	Chlorine Tank Length Dim. -C-	Chlorine Tank Water Level Dim. -D-	Tank Width Dim. -E-	Filter Cell Width Dim. -F-	Surge Tank Width Dim. -G-	Surge Tank Length Dim. -H-
PF-1-C	TF-2-2-C	5,000	2'-0"	7'-3"	1'-6"	2'-7"	6'-0"	2'-0"	2'-0"	7'-3"
PF-2-C	TF-2-6-C	17,000	3'-0"	2'-0"	2'-0"	3'-0"	10'-0"	4'-0"	6'-0"	= Dim -A-
PF-2-C	TF-2-7-C	20,000	4'-0"	2'-0"	2'-0"	3'-6"	10'-0"	3'-6"	6'-6"	= Dim -A-
PF-3-C	TF-2-11-C	31,000	5'-6"	4'-6"	2'-0"	6'-2"	10'-0"	4'-0"	6'-0"	= Dim -A-
PF-3-C	TF-2-14-C	40,000	7'-0"	4'-6"	2'-6"	6'-2"	10'-0"	4'-0"	6'-0"	= Dim -A-
PF-4-C	TF-2-18-C	51,000	3'-0"	4'-3"	2'-6"	6'-2"	12'-0"	6'-0"	= Dim -E-	4'-6"
PF-4-C	TF-2-21-C	60,000	3'-6"	5'-0"	3'-0"	6'-2"	12'-0"	6'-0"	= Dim -E-	5'-3"
PF-4-C	TF-2-25-C	72,000	4'-3"	6'-0"	3'-6"	6'-2"	12'-0"	6'-0"	= Dim -E-	6'-3"
PF-5-C	TF-2-28-C	80,000	4'-6"	6'-7"	4'-0"	6'-2"	12'-0"	6'-0"	= Dim -E-	7'-0"
PF-5-C	TF-2-32-C	92,000	5'-4"	7'-8"	4'-6"	6'-2"	12'-0"	6'-0"	= Dim -E-	8'-0"
PF-5-C	TF-2-35-C	100,800	5'-10"	8'-3"	4'-9"	6'-2"	12'-0"	6'-0"	= Dim -E-	8'-8"
PF-6-C	TF-2-39-C	112,300	6'-6"	9'-3"	5'-6"	6'-2"	12'-0"	6'-0"	= Dim -E-	9'-9"
PF-6-C	TF-2-42-C	120,900	7'-0"	10'-0"	5'-9"	6'-2"	12'-0"	6'-0"	= Dim -E-	10'-6"
PF-6-C	TF-2-46-C	132,400	7'-8"	10'-10"	6'-3"	6'-2"	12'-0"	6'-0"	= Dim -E-	11'-3"
PF-6-C	TF-2-49-C	141,100	8'-2"	11'-7"	6'-9"	6'-2"	12'-0"	6'-0"	= Dim -E-	12'-0"
PF-6-C	TF-2-53-C	152,600	8'-10"	12'-8"	7'-3"	6'-2"	12'-0"	6'-0"	= Dim -E-	13'-0"

Note 1: Design flow based on filtration flow rate of 1 gpm /sq ft. filter area

Note 2: Each Filter Cell Length is 1/2 of Dim -A- on Dwg's PF-1-C, PF-2-C & PF-3-C

TERTIARY FILTER VOLUME DATA

Filter Drawing Number	Filter Model Number	Design Flow Gal / Day See Note 1	Filter Cell Area Sq. Ft. Each Cell	Backwash Surge Tank Gallons	Backwash Clearwell Gallons	Chlorine Tank Gallons	Backwash Pump			Surge Pump			Air Scour Blower		
							GPM	HP	Model	GPM	HP	Model	CFM	HP	Model
							See Note 2 & 3			See Note 3			See Note 3		
PF-1-C	TF-2-2-C	5,000	2	307	309	103	30	0.5	WS0532B	0.5	.50	WS0532B	No Air Scour on this small unit		
PF-2-C	TF-2-6-C	17,000	6	960	1040	445	90	0.75	WS0738BF	1.7	.50	WS0532B	15	1.0	2BH7210OAK12
PF-2-C	TF-2-7-C	20,000	7	1390	1060	520	105	0.75	WS0738BF	2	.50	WS0532B	15	1.0	2BH7210OAK12
PF-3-C	TF-2-11-C	31,000	11	1765	1945	920	165	1.5	WS1532D3	3	.50	WS0532B	15	1.0	2BH7210OAK12
PF-3-C	TF-2-14-C	40,000	14	2250	2120	1150	210	1.5	WS1532D3	4	.50	WS0532B	15	1.0	2BH7210OAK12
PF-4-C	TF-2-18-C	51,000	18	2890	2710	1380	270	2.0	WS2032D3	5	.50	WS0532B	25	1.5	2BH7310OAK22
PF-4-C	TF-2-21-C	60,000	21	3375	3185	1660	315	3.0	WS3032D3	6	.50	WS0532B	25	1.5	2BH7310OAK22
PF-4-C	TF-2-25-C	72,000	25	4020	3825	1935	375	5.0	WS5032D3	7	.50	WS0532B	32	2.0	2BH7410OAK12
PF-5-C	TF-2-28-C	80,000	28	4500	4200	2210	420	5.0	WS5032D3	8	.50	WS0532B	32	2.0	2BH7410OAK12
PF-5-C	TF-2-32-C	92,000	32	5145	4880	2485	480	7.5	WS7532D4	9	.50	WS0532B	32	2.0	2BH7410OAK12
PF-5-C	TF-2-35-C	100,800	35	5570	5260	2625	525	7.5	WS7532D4	10	.50	WS0532B	42	2.0	2BH14101HK33
PF-6-C	TF-2-39-C	112,300	39	6270	5895	3040	585	5.0	10ECL	11	.50	WS0532B	42	2.0	2BH14101HK33
PF-6-C	TF-2-42-C	120,900	42	6750	6370	3180	630	5.0	10ECL	12	.50	WS0532B	42	2.0	2BH14101HK33
PF-6-C	TF-2-46-C	132,400	46	7235	6910	3455	690	10.0	10ECL	13	.50	WS0532B	52	2.0	2BH14101HK33
PF-6-C	TF-2-49-C	141,100	49	7715	7385	3735	735	10.0	10ECL	14	.50	WS0532B	52	2.0	2BH14101HK33
PF-6-C	TF-2-53-C	152,600	53	8360	8065	4010	795	10.0	10ECL	15	.50	WS0532B	52	2.0	2BH14101HK33

Note 1: Flow rate design based on 1 gpm / sq. ft.

Note 2: Backwash flow rate based on 15 gpm / sq. ft.

Note 3: Models shown are for 230v, 3 phase. Blowers are Siemens Regenerative