



VFD TANK SIZING



Model	Tank Gallon	Connection Inches	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70GPM	80 GPM	90 GPM	100 GPM
			20% RATED FLOW GPM									
			2 GPM	4 GPM	6 GPM	8 GPM	10 GPM	12 GPM	14 GPM	16 GPM	18 GPM	20 GPM
FT8	2.1	1	X									
FT18	4.5	1	X	X								
FT18S	4.5	1	X	X								
FT35	9	1	X	X	X	X						
FT35S	9	1	X	X	X	X						
FTC15	15	1.25	X	X	X	X	X	X	X			
FT66	20	1.25	X	X	X	X	X	X	X	X	X	X
FTC22	22	1.25	X	X	X	X	X	X	X	X	X	X
FTC38SQ	38	1.25	X	X	X	X	X	X	X	X	X	X
FT144	44	1.25	X	X	X	X	X	X	X	X	X	X
FTC50	50	1.25	X	X	X	X	X	X	X	X	X	X
FT266	85	2	X	X	X	X	X	X	X	X	X	X

Pre Charge Calculator

Cut-In PSI	20	30	40	50	60	70	80	90	100
Set Precharge 70%	14	21	28	35	42	49	56	63	70
Set Precharge 80%	16	24	32	40	48	56	64	72	80
Set Precharge 90%	18	27	36	45	54	63	72	81	90



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			2 GPM	4 GPM	6 GPM	8 GPM	10 GPM	12 GPM	14 GPM	16 GPM	18 GPM	20 GPM
FT8	2.1	1	X									
FT18	4.5	1	X	X								
FT18S	4.5	1	X	X								
FT35	9	1	X	X	X	X						
FT35S	9	1	X	X	X	X						
FTC15	15	1.25	X	X	X	X	X	X	X			
FT66	20	1.25	X	X	X	X	X	X	X	X	X	X
FTC22	22	1.25	X	X	X	X	X	X	X	X	X	X
FTC38SQ	38	1.25	X	X	X	X	X	X	X	X	X	X
FT144	44	1.25	X	X	X	X	X	X	X	X	X	X
FTC50	50	1.25	X	X	X	X	X	X	X	X	X	X
FT266	85	2	X	X	X	X	X	X	X	X	X	X

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Set Precharge 70%	14	21	28	35	42	49	56	63	70
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Model	Tank Gallon	Connection Inches	10 GPM	20 GPM	30 GPM	40 GPM	50 GPM	60 GPM	70GPM	80 GPM	90 GPM	100 GPM
			PSI Loss, 3' pipe run , 1ea Tee									
FT8	2.1	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT18	4.5	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT18S	4.5	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT35	9	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT35S	9	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FTC15	15	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FT66	20	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FTC22	22	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FTC38SQ	38	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FT144	44	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FTC50	50	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FT266	85	2	0.01	0.02	0.05	0.09	0.13	0.19	0.26	0.33	0.42	0.52

 Recommended



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FT18S	4.5	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT35	9	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FT35S	9	1	0.15	0.59	1.32	2.33	3.63	5.21	7.09	9.25	11.69	14.2
FTC15	15	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FT66	20	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
FTC22	22	1.25	0.05	0.17	0.37	0.66	1.01	1.46	1.98	2.58	3.26	4.02
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