



# Filter Sizing Information

## FOS Series Synthetic Media Cartridges

### Cartridge Flow Rate (US GPM) vs. Viscosity Data for 2 PSI and 5 PSI Initial Pressure Drops

Cartridge	33 SUS 2 cSt		46 SUS 6 cSt		59 SUS 10 cSt		98 SUS 20 cSt		142 SUS 30 cSt		187 SUS 40 cSt		233 SUS 50 cSt	
	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI
FOS-512PL25	80	80	80	80	80	80	80	80	80	80	69	80	55	80
FOS-718PL25	100	100	100	100	100	100	100	100	100	100	100	100	92	100
FOS-614PL05	95	100	91	100	87	100	75	100	62	100	49	100	36	90
FOS-618PL05	100	100	100	100	100	100	100	100	100	100	80	100	64	100
FOS-618PLP8	100	100	100	100	100	100	52	100	34	85	26	65	20	51
FOS-618PL1/2	100	100	100	100	68	100	34	185	22	55	17	43	13	34
FOS-636PL05	200	200	200	200	200	200	200	200	200	200	184	200	160	200
FOS-636PLP8	200	200	200	200	200	200	104	200	68	170	52	130	41	102
FOS-636PL1/2	200	200	200	200	136	200	68	170	44	110	34	86	27	68

Cartridge	348 SUS 75 cSt		463 SUS 100 cSt		927 SUS 200 cSt		1390 SUS 300 cSt		1853 SUS 400 cSt		2316 SUS 500 cSt		4632 SUS 1000 cSt	
	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI	2 PSI	5 PSI
FOS-512PL25	36	80	27	68	13	33	9	23	6	16	5	13	3	7
FOS-718PL25	62	100	46	100	23	58	15	38	11	29	9	23	5	11
FOS-614PL05	30	70	23	56	11	28	7	17	6	14	4	11	2	6
FOS-618PL05	42	100	32	80	16	40	10	25	8	20	6	15	3	8
FOS-618PLP8	14	35	10	25	5	13	3	8	3	8	2	5	1	3
FOS-618PL1/2	9	23	7	18	3	8	2	5	2	5	1	3	1	2
FOS-636PL05	84	200	64	160	32	80	21	53	16	40	12	30	6	15
FOS-636PLP8	28	70	21	53	10	25	7	18	5	13	4	10	2	5
FOS-636PL1/2	18	45	14	35	7	18	4	10	3	8	3	8	1	3

**Notes:** 1. Figures in table are flow rates (US GPM) that will cause a pressure drop of 2 or 5 psi across the cartridge.  
 2. These flow curves are for the cartridges only. To determine additional pressure losses caused by vessel components, see Velcon Form #1711.



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