

Alternative Treatment Technology Units Meeting Challenge Study Criteria
CARTRIDGE & BAG FILTERS: Oregon Administrative Rule 333-061-0050(4)(c)(J)
Oregon Health Authority, Drinking Water Services (DWS)

*(Other units not on this list may meet the criteria.
 Contact DWS for details on verifications for units not listed.)*

Manufacturer	Model			Log ₁₀ Removal Credit			Maximum Flow/Module (gpm)	Maximum Pressure Drop (psi @ 20°C)
	Pre-Filter	Main Filter	Housing	Crypto.	Giardia	Virus		
Strainrite	HPM99-CC-2-SR	HPM99-CCX-2-SR	AQ2-2	2.0	2.0	0	20	25 ^b
Filtration Systems	500-P000-P2-DP	700-P001-P2-IP	NS-122	2.0	2.0	0	15	15 ^c
Harmsco	not applicable (pre-filter is recommended)	HC/170-LT2 HC/90-LT2 HC/40-LT2	MUNI-1-2FL-304	2.0	2.5	0	100	25 ^d
			MUNI-3-3FL-304*	2.0	2.5	0	300	25 ^d
			MUNI-5-4FL-304*	2.0	2.5	0	500	25 ^d
			MUNI-8-6FL-304*	2.0	2.5	0	800	25 ^d
			Hurricane™ MUNI 90 MP	2.0	2.5	0	65	30 ^d
			Hurricane™ MUNI 40 MP*	2.0	2.5	0	30	30 ^d
Rosedale	not applicable	PS 740 PPP 356	830-2P ^A	2.0	2.0	0	10	15 ^d
	not applicable	PS 740 PPP 356	18435-2F-1-150-SB700	2.0	2.0	0	80	31 ^d
	not applicable	PS 740 356	NCO8135-2P-1-150-S-700	2.0	2.0	0	80	31 ^d

* Not explicitly tested; listing based on design equivalence with the MUNI-1-2FL-304 and MUNI 90 MP.

^A Adapter basket required

^b Absolute pressure drop across both filters.

^c Pressure drop relative to new filters' startup pressure drop on the respective filters (pre- or final). For example, if the psid across both filters exceeds 15 psi, check the individual filter's psid. If either filter has psid >15 psi, change that filter. (This does not imply the total psid across both filters should be 30 psi before changing one of the filters.)

^d Absolute pressure drop across the final filter. If using a pre-filter, see that manufacturer's specifications for that device.



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ATS/Waterline	n/a	RC-CMF-4724-20	CMF-4724-20	2.5	2.5	0	20	35

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