

**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 <sub>10</sub> 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 <sup>b</sup>
Filtration Systems	500-P000-P2-DP	700-P001-P2-IP	NS-122	2.0	2.0	0	15	15 <sup>c</sup>
Harmsco	not applicable (pre-filter is recommended)	HC/170-LT2	MUNI-1-2FL-304	2.0	2.5	0	100	25 <sup>d</sup>
			MUNI-3-3FL-304*	2.0	2.5	0	300	25 <sup>d</sup>
			MUNI-5-4FL-304*	2.0	2.5	0	500	25 <sup>d</sup>
			MUNI-8-6FL-304*	2.0	2.5	0	800	25 <sup>d</sup>
			Hurricane™ MUNI 90 MP	2.0	2.5	0	65	30 <sup>d</sup>
Rosedale	not applicable	PS 740 PPP 356	830-2P <sup>A</sup>	2.0	2.0	0	10	15 <sup>d</sup>
	not applicable	PS 740 PPP 356	18435-2F-1-150-SB700	2.0	2.0	0	80	31 <sup>d</sup>
	not applicable	PS 740 356	NCO8135-2P-1-150-S-700	2.0	2.0	0	80	31 <sup>d</sup>

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

<sup>A</sup> Adapter basket required

<sup>b</sup> Absolute pressure drop across both filters.

<sup>c</sup> 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.)

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

