

# Harmsco® Filtration Products

## Surface Water Filtration

### SOLIDS CONTENT

“High”	Very turbid water in the 20 NTU range or more. For high solids a backwashing, multi media filter may be required, plus two Harmsco filters down stream for final filtration. (One with five micron cartridges and one with Poly-Pleat absolute rated one micron cartridges.)
“Average”	Typical lake, river, stream or reservoir water. Here, what has worked best is a three-train system. One filter with 20 micron cartridges, one with five micron cartridges and a final filter with Poly-Pleat cartridges.
“Low”	Water in the 1 NTU range or below. Here, use a two train system. One filter with five micron cartridges and one with Poly-Pleat cartridges.
“Very Low”	Spring, ground or even municipal water in the 0.5 NTU range or below. Use one filter with Poly-Pleat cartridges (unless a pre-filter is needed for surface water with higher turbidity during spring time run off.)

#### Harmsco Cartridges – Life Span

Harmsco cartridges are pleated for more surface area so they provide long life. Also, the polyester media is cleanable so Harmsco cartridges are reusable to further reduce costs.

#### Harmsco Poly-Pleat Cartridges – Life Span

Based on filtration tests, the following throughput is typical:

<u>Filter Housing</u>	<u>Filter Cartridge</u>	<u>Gallons to 30 psid</u>
HUR-90-HP	PP-HC-90-1	1,000,000
HUR-170-HP	PP-HC-170-1	1,800,000

#### Other Guidelines and suggestions:

To select the pipe sizes that meet the customer’s requirements contact us at Harmsco or visit our website at [www.Harmsco.com](http://www.Harmsco.com).