

HARMSCO®

Surface Water

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 5 micron cartridges and one with absolute rated 1 micron Poly-Pleat™ 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 5 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 5 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).

Cartridge Life Span

Harmsco® Polyester Cartridges

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

Based on filtration tests, the following throughput is typical:

Filter Housing	Filter Cartridge	Gallons To 30 PSID
HUR 90 HP	PP-HC-90-1	1,000,000
HUR 90 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.