

# HARMSCO®

## Premium Hurricane® Harmsco-Free Cartridges

Cellulose Free Media

Designed for Hurricane® and WaterBetter® Filter Housings

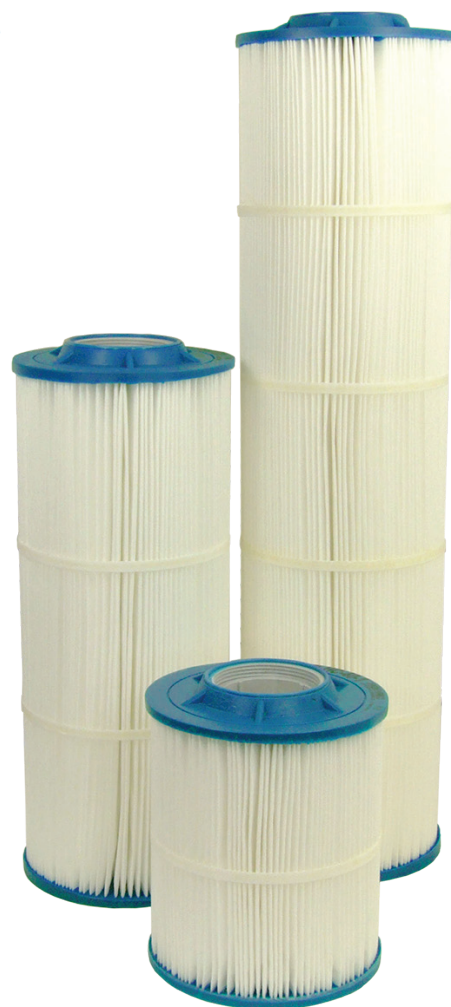
High Flow Performance

Lower Operation Cost with Hurricane® Cartridges

- High flow capability
- Lower overall operating cost
- Reduced waste disposal
- Longer filter runs for fewer change-outs
- Increased contaminant removal
- Operator friendly



Certified to  
ANSI-NSF 61



Premium Hurricane®  
Harmsco-Free Cartridges

### Features

- ▶ Fewer cartridges for fewer change-outs and lower maintenance cost
- ▶ Pleated synthetic composite filter media provides higher flow rates and lower initial pressure drop
- ▶ Pleated surface area provides higher loading capacity for longer filter life and increased particle removal
- ▶ End cap, center tube and media are thermally bonded as one integral component for added strength
- ▶ Offered in three sizes (40, 90 and 170) and three micron ratings (1, 5, 20) to meet all your high flow requirements

### Applications

- ▶ Reverse Osmosis Pre-filtration
- ▶ Municipal Drinking Water Filtration
- ▶ Commercial/Residential Drinking Water Filtration
- ▶ Desalination Pre-filtration
- ▶ Industrial Water Filtration
- ▶ Cooling Tower Filtration
- ▶ Chill Water Loop Filtration
- ▶ Food & Beverage Filtration
- ▶ Marine/Aquatic Filtration
- ▶ Water Bottlers



**HARMSCO® Filtration Products**



Made in USA

# Premium Hurricane® Harmsco-Free Cartridges

## Specifications

- ▶ **Micron Ratings:** Nominal micron ratings of 1, 5 and 20
- ▶ **Center Tubes:** ABS or PVC
- ▶ **End Caps:** Pliable PVC with sealing surface built-in
- ▶ **Filter Media:** 100% cellulose-free synthetic composite media
- ▶ **Temperature:** 140°F (60°C) temperature limit\*  
\* Temperature limits vary and depend on pressure and time under load.

**Cleanable/Reusable** in most filtration applications and micron ratings.



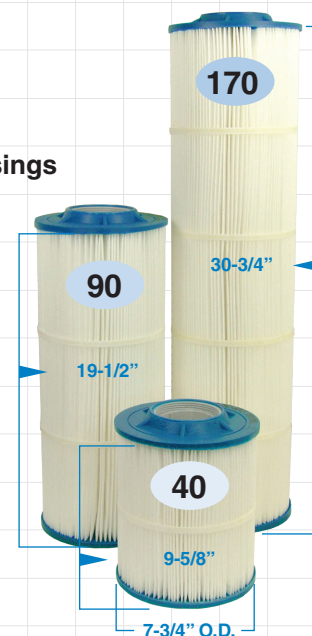
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## Cartridge Selection/Sizing Guide

**7-3/4" O.D.** For Harmsco® Hurricane® and WaterBetter® Single-cartridge Filter Housings

Cartridge Length	Product Code	Nominal Micron Rating	Media (sq ft)	Recommended Flow Rate* (GPM)	Max Flow Rate* (GPM)	Max Flow Rate* (LPM)	Max Flow Rate* (M <sup>3</sup> /HR)	No./Carton	Carton Size
	<b>Harmsco-Free</b> - 100% cellulose-free synthetic composite media.								
9-5/8"	HC/40-1W-HF	1	30	35	50	189	12	1	9x9x11
	HC/40-5W-HF	5	30	35	50	189	12	1	9x9x11
	HC/40-20W-HF	20	30	35	50	189	12	1	9x9x11
19-1/2"	HC/90-1W-HF	1	70	70	100	378	24	1	9x9x21
	HC/90-5W-HF	5	70	70	100	378	24	1	9x9x21
	HC/90-20W-HF	20	70	70	100	378	24	1	9x9x21
30-3/4"	HC/170-1W-HF	1	120	105	150	568	36	1	9x9x32
	HC/170-5W-HF	5	120	105	150	568	36	1	9x9x32
	HC/170-20W-HF	20	120	105	150	568	36	1	9x9x32

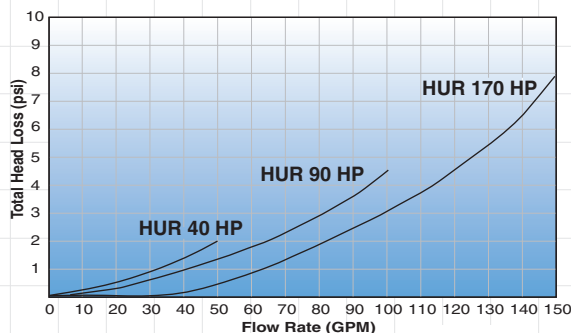
\*Harmsco® recommends operation at 70% of maximum flow rate for optimum performance.



**Premium Hurricane® Harmsco-Free Cartridges**  
Length and O.D.

## Pressure Drop

Pressure drop shown at right is for filter housing and 20 micron filter cartridge in clean water.



**Note:** This publication is to be used as a guide. The data within has been obtained from many sources and is considered to be accurate. Harmsco does not assume liability for the accuracy and/or completeness of this data. Changes to the data can be made without notification. Temperature, Pressure, Flow Rates, Differential Pressures, Chemical Combinations and other unknown factors can affect performance in unknown ways. **Limited Warranty:** Harmsco warrants their products to be free of material and workmanship defects. Determination of suitability of Harmsco products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. The end user/installer/buyer shall be liable for the product's performance and suitability regarding their specific intended applications. End users should perform their own tests to determine suitability for each application.



**HARMSCO® Filtration Products**

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