

## WaterBetter® Filter Housings

Single Cartridge Design

### Lower Operation Cost

- Harmsco® WB WaterBetter® single-cartridge filters deliver high flow, extended filter life, increased dirt holding capacity and ease of operation.



Certified to  
ANSI-NSF 61

Excluding High Temp

### Features

- ▶ Patented Up-flow design
- ▶ Electropolished 304 stainless steel housing
- ▶ Fail Safe closure system
- ▶ Three sizes for greater media surface area
- ▶ CPVC standpipe (standard) - stainless steel optional
- ▶ Simple alternative to complex multiple cartridge housings
- ▶ Extensive choice of cartridge micron ratings and media, including carbon block
- ▶ Reduced installation cost



### Applications

- ▶ Commercial/Residential Drinking Water
- ▶ Cooling Tower Filtration
- ▶ Desalination Pre-filtration (coated option)
- ▶ Surface Water Treatment Rule (SWTR) LT2
- ▶ P.O.E. for household
- ▶ Industrial Waste Water Treatment
- ▶ Reverse Osmosis Pre-filtration
- ▶ Ground Water Remediation
- ▶ Utility Water
- ▶ Ground Water Under Direct Influence (GUDI)



# Cartridge Selection

Sediment Removal  
 Turbidity Reduction  
 Chlorine Removal  
 Taste & Odor Reduction  
 Cyst Removal  
 Pre-Filtration  
 Post-Filtration  
 Antimicrobial  
 Absolute Rated  
 Nominal Rated  
 100% Synthetic  
 Non Potable Use Only  
 Course Filtration  
 High Temperature  
 All Polypropylene  
 NSF Listed  
 Cleanable/ Reusable

**Polyester-Plus™** - engineered for high efficiency, low pressure drops; **NSF 61 Listed**

Model	Description	Sediment Removal	Turbidity Reduction	Chlorine Removal	Taste & Odor Reduction	Cyst Removal	Pre-Filtration	Post-Filtration	Antimicrobial	Absolute Rated	Nominal Rated	100% Synthetic	Non Potable Use Only	Course Filtration	High Temperature	All Polypropylene	NSF Listed	Cleanable/ Reusable
HC/40-0.35	Hur 40 Cartridge - 0.35 Micron	•	•				•			•							•	
HC/40-1	Hur 40 Cartridge - 1 Micron	•	•				•			•							•	
HC/40-5	Hur 40 Cartridge - 5 Micron	•	•				•	•		•							•	•
HC/40-10	Hur 40 Cartridge - 10 Micron	•	•				•	•		•							•	•
HC/40-20	Hur 40 Cartridge - 20 Micron	•	•				•	•		•			•				•	•
HC/40-50	Hur 40 Cartridge - 50 Micron	•	•				•	•		•			•				•	•
HC/40-100	Hur 40 Cartridge - 100 Micron	•	•				•	•		•			•				•	•
HC/40-150	Hur 40 Cartridge - 150 Micron	•	•				•	•		•			•				•	•
HC/90-0.35	Hur 90 Cartridge - 0.35 Micron	•	•				•	•		•							•	
HC/90-1	Hur 90 Cartridge - 1 Micron	•	•				•	•		•							•	
HC/90-5	Hur 90 Cartridge - 5 Micron	•	•				•	•		•							•	•
HC/90-10	Hur 90 Cartridge - 10 Micron	•	•				•	•		•							•	•
HC/90-20	Hur 90 Cartridge - 20 Micron	•	•				•	•		•			•				•	•
HC/90-50	Hur 90 Cartridge - 50 Micron	•	•				•	•		•			•				•	•
HC/90-100	Hur 90 Cartridge - 100 Micron	•	•				•	•		•			•				•	•
HC/90-150	Hur 90 Cartridge - 150 Micron	•	•				•	•		•			•				•	•
HC/170-0.35	Hur 170 Cartridge - 0.35 Micron	•	•				•	•		•							•	
HC/170-1	Hur 170 Cartridge - 1 Micron	•	•				•	•		•							•	
HC/170-5	Hur 170 Cartridge - 5 Micron	•	•				•	•		•							•	•
HC/170-10	Hur 170 Cartridge - 10 Micron	•	•				•	•		•							•	•
HC/170-20	Hur 170 Cartridge - 20 Micron	•	•				•	•		•			•				•	•
HC/170-50	Hur 170 Cartridge - 50 Micron	•	•				•	•		•			•				•	•
HC/170-100	Hur 170 Cartridge - 100 Micron	•	•				•	•		•			•				•	•
HC/170-150	Hur 170 Cartridge - 150 Micron	•	•				•	•		•			•				•	•

**High Temperature** - up to 200°F (93°C)\* \*250°F (121°C) with metal end caps, using suffix "HTM"

Model	Description	Sediment Removal	Turbidity Reduction	Chlorine Removal	Taste & Odor Reduction	Cyst Removal	Pre-Filtration	Post-Filtration	Antimicrobial	Absolute Rated	Nominal Rated	100% Synthetic	Non Potable Use Only	Course Filtration	High Temperature	All Polypropylene	NSF Listed	Cleanable/ Reusable
HC/40-20HT	Hur 40 Cartridge - 20 Micron High Temp	•	•				•			•				•	•			•
HC/40-50HT	Hur 40 Cartridge - 50 Micron High Temp	•	•				•			•				•	•			•
HC/90-5CPHT	Hur 90 Cartridge - 5 Micron High Temp	•	•				•	•		•			•		•			•
HC/90-5HT	Hur 90 Cartridge - 5 Micron High Temp	•	•				•	•		•				•	•			•
HC/90-10HT	Hur 90 Cartridge - 10 Micron High Temp	•	•				•	•		•				•	•			•
HC/90-20HT	Hur 90 Cartridge - 20 Micron High Temp	•	•				•	•		•				•	•			•
HC/90-50HT	Hur 90 Cartridge - 50 Micron High Temp	•	•				•	•		•				•	•			•
HC/170-5CPHT	Hur 170 Cartridge - 5 Micron High Temp	•	•				•	•		•			•		•			•
HC/170-5HT	Hur 170 Cartridge - 5 Micron High Temp	•	•				•	•		•				•	•			•
HC/170-10HT	Hur 170 Cartridge - 10 Micron High Temp	•	•				•	•		•				•	•			•
HC/170-20HT	Hur 170 Cartridge - 20 Micron High Temp	•	•				•	•		•				•	•			•
HC/170-50HT	Hur 170 Cartridge - 50 Micron High Temp	•	•				•	•		•				•	•			•

**Harmsco-Free** - 100% synthetic composite media; **NSF 61 Listed**

Model	Description	Sediment Removal	Turbidity Reduction	Chlorine Removal	Taste & Odor Reduction	Cyst Removal	Pre-Filtration	Post-Filtration	Antimicrobial	Absolute Rated	Nominal Rated	100% Synthetic	Non Potable Use Only	Course Filtration	High Temperature	All Polypropylene	NSF Listed	Cleanable/ Reusable
HC/40-1W-HF	Hur 40 Cartridge - 1 Micron	•	•					•		•	•						•	
HC/40-5W-HF	Hur 40 Cartridge - 5 Micron	•	•					•		•	•						•	•
HC/40-20W-HF	Hur 40 Cartridge - 20 Micron	•	•				•			•	•		•				•	•
HC/90-1W-HF	Hur 90 Cartridge - 1 Micron	•	•					•		•	•						•	
HC/90-5W-HF	Hur 90 Cartridge - 5 Micron	•	•					•		•	•						•	•
HC/90-20W-HF	Hur 90 Cartridge - 20 Micron	•	•				•			•	•		•				•	•
HC/170-1W-HF	Hur 170 Cartridge - 1 Micron	•	•					•		•	•						•	•
HC/170-5W-HF	Hur 170 Cartridge - 5 Micron	•	•					•		•	•						•	•
HC/170-20W-HF	Hur 170 Cartridge - 20 Micron	•	•				•			•	•		•				•	•

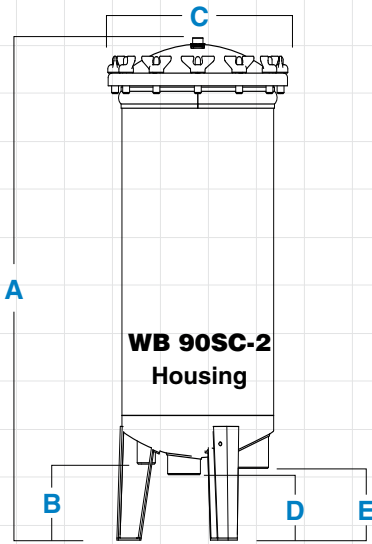
**Poly-Pleat™** - 1 micron absolute, multi-layered media; **NSF 61 Listed**

Model	Description	Sediment Removal	Turbidity Reduction	Chlorine Removal	Taste & Odor Reduction	Cyst Removal	Pre-Filtration	Post-Filtration	Antimicrobial	Absolute Rated	Nominal Rated	100% Synthetic	Non Potable Use Only	Course Filtration	High Temperature	All Polypropylene	NSF Listed	Cleanable/ Reusable
PP-HC-40-1	Poly Pleat Hur 40 Cartridge - 1 Micron	•	•			•		•		•	•						•	
PPFS-HC-40-1	PP-Fail Safe Hur 40 Cartridge - 1 Micron	•	•			•		•		•	•						•	
PP-HC-90-1	Poly Pleat Hur 90 Cartridge - 1 Micron	•	•			•		•		•	•						•	
PPFS-HC-90-1	PP-Fail Safe Hur 90 Cartridge - 1 Micron	•	•			•		•		•	•						•	
PP-HC-170-1	Poly Pleat Hur 170 Cartridge - 1 Micron	•	•			•		•		•	•						•	
PPFS-HC-170-1	PP-Fail Safe Hur 170 Cartridge - 1 Micron	•	•			•		•		•	•						•	

**All-Poly** - 100% polypropylene media with polypropylene end caps and components; also available in 10, 20 and 50 micron ratings

Model	Description	Sediment Removal	Turbidity Reduction	Chlorine Removal	Taste & Odor Reduction	Cyst Removal	Pre-Filtration	Post-Filtration	Antimicrobial	Absolute Rated	Nominal Rated	100% Synthetic	Non Potable Use Only	Course Filtration	High Temperature	All Polypropylene	NSF Listed	Cleanable/ Reusable
HC-PP-40-0.2	Hur 40 High Purity Pleated PP - 0.2 Mic	•	•			•		•		•							•	
HC-PP-40-0.45	Hur 40 High Purity Pleated PP - 0.45 Mic	•	•			•		•		•							•	
HC-PP-40-1	Hur 40 High Purity Pleated PP - 1 Mic	•	•			•		•		•							•	
HC-PP-40-5	Hur 40 High Purity Pleated PP - 5 Mic	•	•			•		•		•							•	
HC-PP-90-0.2	Hur 90 High Purity Pleated PP - 0.2 Mic	•	•			•		•		•							•	
HC-PP-90-0.45	Hur 90 High Purity Pleated PP - 0.45 Mic	•	•			•		•		•							•	
HC-PP-90-1	Hur 90 High Purity Pleated PP - 1 Mic	•	•			•		•		•							•	
HC-PP-90-5	Hur 90 High Purity Pleated PP - 5 Mic	•	•			•		•		•							•	
HC-PP-170-0.2	Hur 170 High Purity Pleated PP - 0.2 Mic	•	•			•		•		•							•	
HC-PP-170-0.45	Hur 170 High Purity Pleated PP - 0.45 Mic	•	•			•		•		•							•	
HC-PP-170-1	Hur 170 High Purity Pleated PP - 1 Mic	•	•			•		•		•							•	
HC-PP-170-5	Hur 170 High Purity Pleated PP - 5 Mic	•	•			•		•		•							•	





WB 40SC-2



WB 90SC-2



WB 170SC-2

## Ordering Information

Filter Model	A Filter Height	B Drain	C Diameter	D Outlet	E Inlet	Pipe Size NPT	Drain Size NPT	Floor Space	Service Ht.	Shipping Wt. Lbs.	Carton Size In.
WB 40SC-1*	19-1/4"	4-1/2"	13"	3-7/8"	4-1/4"	1"	1"	15"x15"	31"	40	14x16x21
WB 40SC-2	19-1/4"	4-1/2"	13"	3-7/8"	4-1/4"	2"	1"	15"x15"	31"	40	14x16x21
WB 90SC-1*	29-3/8"	4-1/2"	13"	3-7/8"	4-1/4"	1"	1"	15"x15"	51"	51	14x16x38
WB 90SC-2	29-3/8"	4-1/2"	13"	3-7/8"	4-1/4"	2"	1"	15"x15"	51"	51	14x16x38
WB 170SC-1*	39-1/8"	4-1/2"	13"	3-7/8"	4-1/4"	1"	1"	15"x15"	72"	64	14x16x42
WB 170SC-2	39-1/8"	4-1/2"	13"	3-7/8"	4-1/4"	2"	1"	15"x15"	72"	64	14x16x42

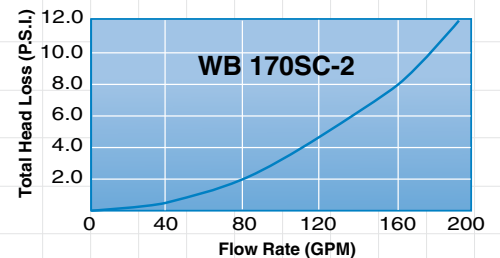
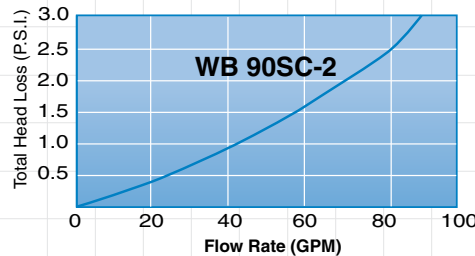
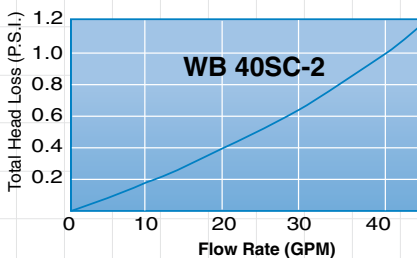
\*For 1" plumbing; not NSF Listed.

## Filter Specifications

- ▶ Electropolished 304 stainless steel
- ▶ Standpipe - CPVC
- ▶ Temperature - 140°F (60°C) max. Up to 200°F (93°C) with optional stainless steel standpipe and high temperature cartridges installed
- ▶ Pressure - 150 psi (10 bar) max.
- ▶ Wing nuts - brass
- ▶ Rim gaskets - EPDM (Buna-N, Viton available)
- ▶ BSTP optional

All stainless steel housings are 304; 316 available upon request. Stainless steel standpipe for high temperature also available.

## Pressure Drop



The total head loss data shown above was developed by NSF International and indicates pressure drop with WaterBetter® filter housings and 20 micron filter cartridges in clean water.

For additional information, please refer to the "Installation & Operation Manual" for WaterBetter® Filters.

**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**

P.O. Box 14066, North Palm Beach, FL 33408

(561) 848-9628 • Toll-free: (800) 327-3248 • Fax: (561) 845-2474 • E-mail: sales@harmsco.com

[www.harmsco.com](http://www.harmsco.com)



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