HARMSCO® WB

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.**

NSF
Certified to NSF/ANSI Standard 61



Features

- Patented Up-flow design
- Electropolished 304SS housing, optional 316L
- Fail Safe closure system
- Three sizes for greater media surface area CPVC
- standpipe (standard) - stainless steel optional
- Simple alternative to complex multiple cartridge housings
- Largest selection available 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)
- P.O.E. for household
- Industrial Waste Water Treatment
- Reverse Osmosis Pre-filtration
- Ground Water Remediation
- Utility Water

Cartridge Selection

Hurricane® Cartridge Family

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

		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/ Reuseable
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"

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

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-layed media; NSF 61 Listed

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

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	●	●					●		●					●			

Harmsco® manufacturers the largest selection of

40 90 170

		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/ Reuseable
SureSafe™ Antimicrobial - reduces growth of bacteria and mold on media																		
HC/40-20-AM	Hur 40 Cartridge - 20 Micron	●	●				●		●		●	●		●				●
HC/40-50-AM	Hur 40 Cartridge - 50 Micron	●	●				●		●		●	●		●				●
HC/90-20-AM	Hur 90 Cartridge - 20 Micron	●	●				●		●		●	●		●				●
HC/90-50-AM	Hur 90 Cartridge - 50 Micron	●	●				●		●		●	●		●				●
HC/170-20-AM	Hur 170 Cartridge - 20 Micron	●	●				●		●		●	●		●				●
HC/170-50-AM	Hur 170 Cartridge - 50 Micron	●	●				●		●		●	●		●				●
Carbon Block - includes pleated 5 micron nominal pre-filtration																		
HC/40-AC-5	Hur 40 Cart. Carbon + 5 Mic Pre-filt	●	●	●	●			●			●							●
HC/90-AC-5	Hur 90 Cart. Carbon + 5 Mic Pre-filt	●	●	●	●			●			●							●
HC/170-AC-5	Hur 170 Cart. Carbon + 5 Mic Pre-filt	●	●	●	●			●			●							●
EZ Clean - 100% synthetic composite 50 micron media																		
HC/40-EZ-CLEAN	Hur Cartridge - EZ CLEAN - 50 Micron	●	●				●				●	●		●				●
HC/90-EZ-CLEAN	Hur Cartridge - EZ CLEAN - 50 Micron	●	●				●				●	●		●				●
HC/170-EZ-CLEAN	Hur Cartridge - EZ CLEAN - 50 Micron	●	●				●				●	●		●				●
Poly-Mesh - 100% synthetic composite 250 micron media																		
HC/170-PM	Hur 170 Cartridge Poly Mesh - 250 Micron	●	●				●				●	●		●				●

Note: WaterBetter® Single Cartridge Filters Use Hurricane® Cartridges

Cartridge Sizing Guide

Cleanable/ Reusable Hurricane® cartridges are cleanable and reusable in most applications and micron ratings (5 micron and up).

For Harmsco® Hurricane® and WaterBetter® Single-cartridge Filter Housings

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

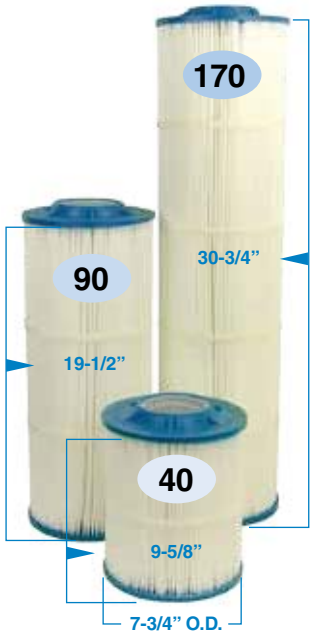
Polyester-Plus™, High Temp, Harmsco-Free, SureSafe™, EZ Clean, Poly-Mesh

Filter Model	Pleated Media Area (sq.ft.)	Length (in.)	O.D. (in.)	Max Flow Rate (GPM)	Recommended Flow Rate (GPM)	Max Flow Rate (LPM)	Max Flow Rate (M^3/HR)	No./ Case	Carton Size
WB 40SC-2*	40	9-5/8	7-3/4	Up to 50	35	Up to 189	Up to 12	1	9x9x11
WB 90SC-2*	90	19-1/2	7-3/4	Up to 100	70	Up to 378	Up to 24	1	9x9x21
WB 170SC-2*	170	30-3/4	7-3/4	Up to 150	105	Up to 568	Up to 36	1	9x9x32
Poly-Pleat™									
WB 40SC-2*	25	9-5/8	7-3/4	–	15	–	–	1	9x9x11
WB 90SC-2*	50	19-1/2	7-3/4	–	25	–	–	1	9x9x21
WB 170SC-2*	100	30-3/4	7-3/4	–	50	–	–	1	9x9x32
All-Poly									
WB 40SC-2*	25	9-5/8	7-3/4	25	17	19	Up to 12	1	9x9x11
WB 90SC-2*	50	19-1/2	7-3/4	50	35	38	Up to 24	1	9x9x21
WB 170SC-2*	75	30-3/4	7-3/4	100	60[a]	76	Up to 36	1	9x9x32
Carbon Block									
WB 40SC-2*	25	9-5/8	7-3/4	–	5[b]	–	–	1	9x9x11
WB 90SC-2*	55	19-1/2	7-3/4	–	10[b]	–	–	1	9x9x21
WB 170SC-2*	90	30-3/4	7-3/4	–	15[b]	–	–	1	9x9x32

[a] based on 1, 5, 10, 20 and 50 micron ratings

* "2" represents 2 inch inlet/outlet pipe size; use "1" for 1 inch (not NSF Listed)

[b] recommended flow for maximum chlorine removal



Hurricane® Cartridges
Length and O.D.

Media Options

Polyester-Plus™ — NSF 61 Listed

High Temperature



Harmsco-Free — NSF 61 Listed



Poly-Pleat™ (multi-layer) — NSF 61 Listed

All-Poly (multi-layer)

SureSafe™ (antimicrobial)

Carbon Block (5 Micron Pleated Pre-filter)



EZ Clean

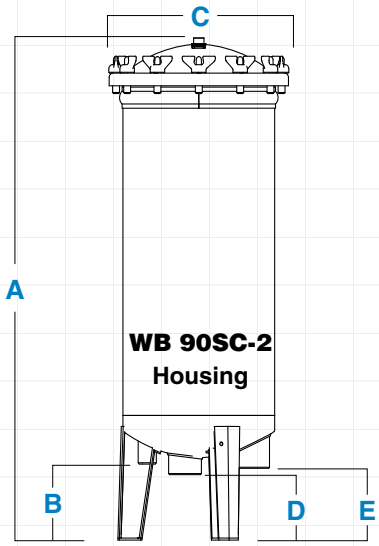


Poly-Mesh



cartridges in the industry for all your filtration needs.

Harmsco® WaterBetter® Filter Housings WB



Certified to NSF/ANSI Standard 61



WB 40SC-2



WB 90SC-2



WB 170SC-2

Ordering Information

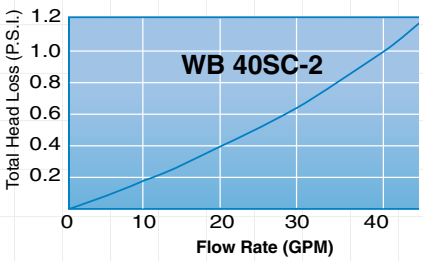
Filter Model	A Filter Height	B Drain	C Diameter	D Outlet	E Inlet	Pipe Size NPT	Drain Size NPT	Floor Space	Service Ht.	Shipping Wt. Lbs.	Carton Size In.
WB 40SC-1*	19-1/4"	4-1/2"	13"	3-7/8"	4-1/4"	1"	1"	15"x15"	31"	40	14x16x21
WB 40SC-2	19-1/4"	4-1/2"	13"	3-7/8"	4-1/4"	2"	1"	15"x15"	31"	40	14x16x21
WB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

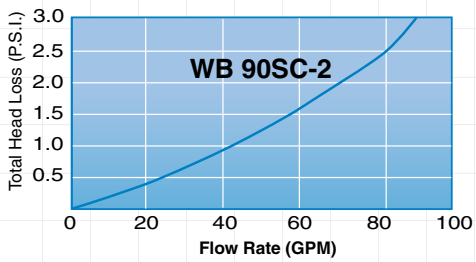
**For 1" plumbing; not NSF Listed.*

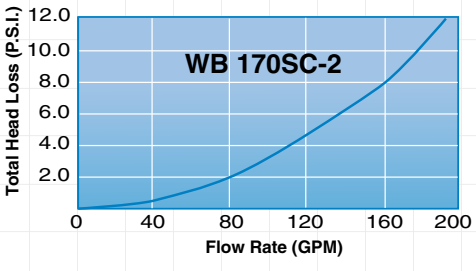
Filter Specifications

- Electropolished 304SS, optional 316L
- 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

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.

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01/19