

# HARMSCO®

## WaterBetter® Filter Housings

Single Cartridge Design

### Lower Operation Cost

- Harmsco® 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 Cartridges

### 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



### Applications

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



**HARMSCO® Filtration Products**



Made in USA

# Cartridge Selection

Hurricane® Cartridge Family

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  
Course Filtration  
High Temperature  
All Polypropylene  
NSF Listed  
Cleanable/ Reuseable

**Polyester** - engineered for high efficiency, low pressure drops

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

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

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	●	●			●													●	

\*WaterBetter® Single Cartridge Filters Use Hurricane® Cartridges

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  
Course Filtration  
High Temperature  
All Polypropylene  
NSF Listed  
Cleanable/ Reusable

**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	●	●							●	●							●
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**Nano Fiber** - 1 micron absolute, multi-layered media, low initial pressure drop, high flow rates

Nano-HC-40-1	Hur 40 Cartridge - 1 Micron	●	●							●	●							●
Nano-HC-90-1	Hur 90 Cartridge - 1 Micron	●	●							●	●							●
Nano-HC-170-1	Hur 170 Cartridge - 1 Micron	●	●							●	●							●

**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, High Temperature, 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 (M³/HR)	No./ Case	Carton Size
HUR 40 HP	40	9-5/8	7-3/4	Up to 50	35	Up to 189	Up to 12	1	9x9x11
HUR 90 HP	90	19-1/2	7-3/4	Up to 100	70	Up to 378	Up to 24	1	9x9x21
HUR 170 HP	170	30-3/4	7-3/4	Up to 150	105	Up to 568	Up to 36	1	9x9x32

**Poly-Pleat**

HUR 40 HP	25	9-5/8	7-3/4	-	15	-	-	1	9x9x11
HUR 90 HP	50	19-1/2	7-3/4	-	25	-	-	1	9x9x21
HUR 170 HP	100	30-3/4	7-3/4	-	50	-	-	1	9x9x32

**Nano Fiber**

HUR 40 HP	25	9-5/8	7-3/4	Up to 50	25	Up to 189	Up to 12	1	9x9x11
HUR 90 HP	50	19-1/2	7-3/4	Up to 100	50	Up to 378	Up to 24	1	9x9x21
HUR 170 HP	100	30-3/4	7-3/4	Up to 150	100	Up to 568	Up to 36	1	9x9x32

**All-Poly**

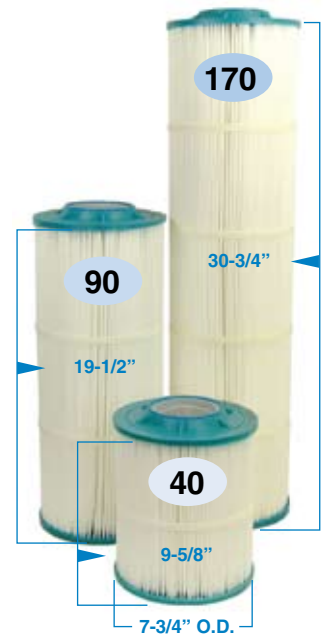
HUR 40 HP	25	9-5/8	7-3/4	25	17	19	Up to 12	1	9x9x11
HUR 90 HP	50	19-1/2	7-3/4	50	35	38	Up to 24	1	9x9x21
HUR 170 HP	75	30-3/4	7-3/4	100	60*	76	Up to 36	1	9x9x32

**Carbon Block**

\*based on 1, 5, 10, 20 and 50 micron ratings

HUR 40 HP	25	9-5/8	7-3/4	-	5*	-	-	1	9x9x11
HUR 90 HP	55	19-1/2	7-3/4	-	10*	-	-	1	9x9x21
HUR 170 HP	90	30-3/4	7-3/4	-	15*	-	-	1	9x9x32

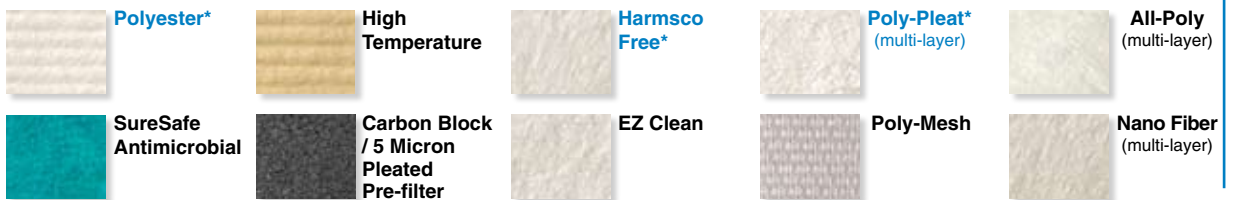
\*recommended flow for maximum chlorine removal



**Hurricane® Cartridges**  
Length and O.D.

Cartridge Sizing Guide

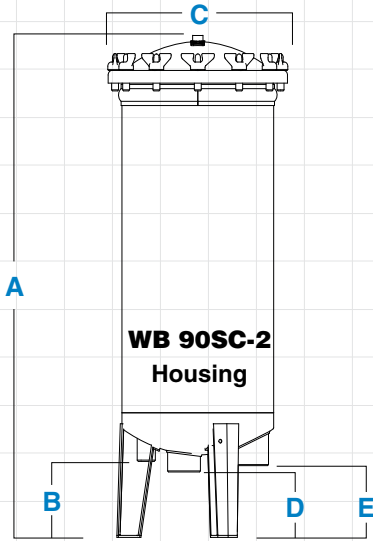
**Media Options**



\*Polyester, Harmsco Free and Poly-Pleat cartridges are NSF-61 listed.

Cartridges in the industry for all your filtration needs.

# Harmsco® WaterBetter® Filter Housings



WB 40SC-2



WB 90SC-2



WB 170SC-2

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

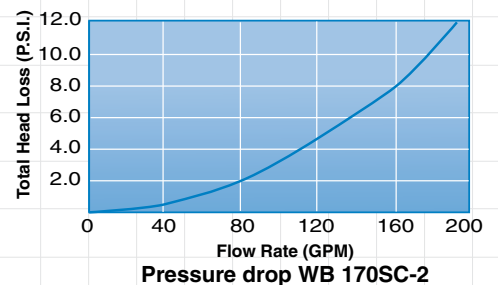
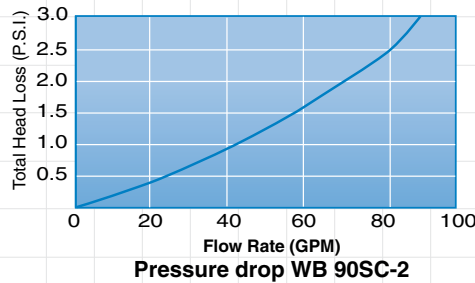
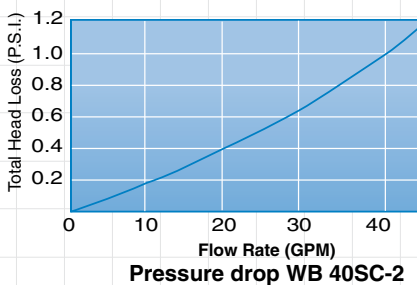
\*For 1" plumbing; not NSF Listed.

## 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.



**HARMSCO® Europe Srl**

Via Salvo D'Acquisto 10a-12 46040 Guidizzolo (MN) Italia

Tel: (0039) 0376 818782 • Fax: (0039) 0376 818399 • E-mail: info@harmSCOeurope.com

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



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