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HARMSCO[®] Filtration Products

Liquid Filtration Solutions

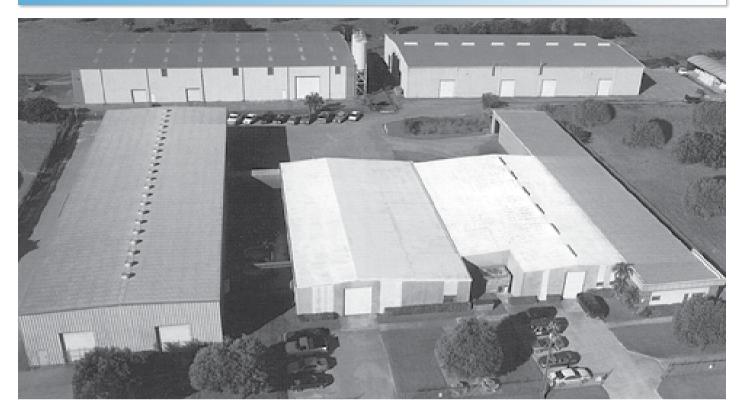


PRODUCT CATALOG

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Harmsco[®] Filtration Products



An American Family Business Success . . .

Harmsco[®] was founded in 1958 by John Harms soon after he and his family relocated to Florida from the state of Ohio. At the time the company's primary assets were John's experience in the liquid filtration industry, his unique **Up-Flow Filter Design**, wife Laura's trustworthy assistance and John's resolve to manufacture high quality filtration equipment and market them worldwide.

Harmsco[®] Up-Flow Cartridge Filters were patented and introduced to the market in 1968. Almost immediately, people in the filtration industry took note of the many advantages Harmsco[®] Filters provide. As a result, sales began to accelerate.

In 1972 we developed a complete line of filter cartridges to market with Harmsco[®] filter housings. John Harms wasn't satisfied, however, with conventional filter cartridges that provide marginal performance. John pioneered *Pleated Polyester Filter Cartridges*, which outperform conventional cartridges by lowering filtration costs.

In 1991, Harold (Hank) Harms II was elected President of Harmsco[®], Inc. During Hank's tenure as president and owner, there have been significant developments; *Hurricane Filters* were introduced in 1992 and became an overnight success; marketing activities have been accelerated; expansion has been made to plant and facilities; as well as the addition of 90,000 square feet in Lake Wales, Fl.

Today, we are a market leader in the water filtering industry. Our products are marketed through an extensive network of distributors located worldwide; and our dedication to research and development is ongoing, so our growth will continue into the 21st century.

Dedicated to Quality and Value

We provide economical solutions to liquid filtration challenges because we are dedicated to offering both *quality* and *value*. We control overhead expenses and produce in volume to lower production costs. Our designs are efficient. The *cornerstone* of our corporate philosophy is our dedication to quality. For these reasons, Harmsco[®] filter housings and cartridges are your best buy for price and performance.



MADE IN U.S.A.



Pure Aqua, Inc[®] Reverse Osmosis & Water Treatment Systems sales@pureaqua.com +1(714) 432-9996 <u>+1 (8</u>44) 309-7501





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and	KX [®] MATRIKX [®] (All-Poly Cartridge
custom products available.	Harmsco [®] Activa
	Harmsco [®] Poly-F
	Harmsco [®] Up-Flo
	Harmsco [®] Hurric
	Harmsco® High 7
	Hormooo® Stoiple



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Harmsco® Genuine Spare Parts
Harmsco® Terms & Conditions



Band Clamp

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Harmsco[®] Hurricane[®] High Performance Swing Bolt Housings See Page 18

Let us quote your Private Label Cartridge and Custom Product needs.

NOTICE

Some of the information contained in this publication has been obtained from outside sources and is considered accurate. Temperature ratings, flow rates and chemical resistance can be affected by a number of unknown factors. For this reason, we do not assume any liability for the accuracy or completeness of the data in this publication. End users should perform their own tests to determine suitability for each application.

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CARTRIDGE ACCEPTABILITY CROSS-REFERENCE

New for 2008 - Non-Cellulose Cartridges

See page 22



801 Series

Harmsco[®] SureSafe[™]

CALYPSO BLUE

HURRICA

HARMSCO®



801 Cartridges See Page 9





Let us quote your Private Label Cartridge and Custom Product needs.



Cartridge Acceptability

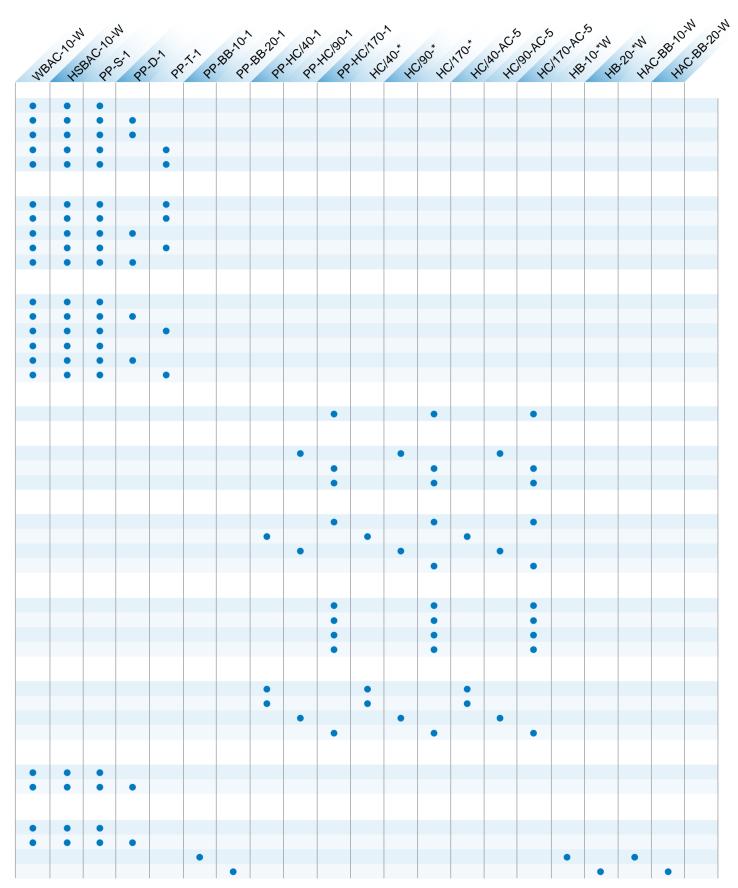
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	80	°°°	1000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	* 140	* 	N NR	5 NR	of we		012 pB1	· HA	C' HAC
Harmsco Up-Flow Cluster Filters													
HIF 7	•									•		•	
HIF 14 HIF 16					•		•				•		
HIF 10 HIF 21									•			•	
HIF 24													
												•	
Harmsco Up-Flow High-Capacity Filter	'S												
HIF 42	•					•	•		•	•	•	•	
HIF 75	•					•	•		•	•	•	•	
HIF 100	•				•		•			•	•	•	
HIF 150FL	•					•	•		•	•	•	•	
HIF 200FL	•							•		•	•	•	
Harmsco Band Clamp Filters													
BC4-1-T-EP							•			•	•	•	
BC4-2-T-EP	•	•			•		•	•		•	•	•	•
BC4-3-T-EP	•		•			•	•		•	•	•	•	
BC6-1-T-EP	•						•			٠	•	•	
BC6-2-T-EP	•	•			•		•	•		•	•	•	•
BC6-3-T-EP	•		•			•	•		•	•	•	•	
Harmsco Up-Flow Filter HIF 5x170FL													
HIF 5x170FL													
Harmsco Hurricane Filters (ASME "U"	Stamp))											
HUR 90 ASME U STAMP													
HUR 170 ASME U STAMP													
HUR 850 ASME U STAMP													
Harmsco Hurricane													
HUR 850 HP													
HUR 40 HP													
HUR 90 HP													
HUR 170 HP													
Harmsco Hurricane ASME Design Swin	g Bolt	Closur	es										
HUR 1x170FL													
HUR 3x170FL													
HUR 5x170FL													
HUR 8x170FL													
Harmsco WaterBetter Single Cartridge	Filter	Housi	ngs										
WB 40SC-1													
WB 40SC-2													
WB 90SC-2													
WB 170SC-2													
316 Stainless Steel Slimline													
FSSS-1A	•									•			
FSSS-1A FSSS-2A								•		•			
												-	
Single Cartridge Plastic Filter Housing	s and	Drinki	ng Wa	t <mark>er Sy</mark> s	stems								
HSL-10-0.75-WPR	•						•			•	•	•	
HSL-20-0.75-WPR	•	•			•		•	•		•	•	•	
HBB-10-1-WPR													
HBB-20-1-WPR													

Let us quote your Private Label Cartridge and Custom Product needs.



Cross-Reference

* Micron sizes vary: 0.35, 1, 5, 10, 20, 50, 100



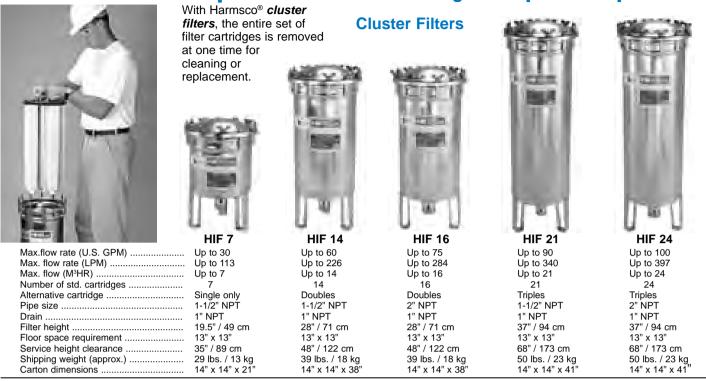
Let us quote your Private Label Cartridge and Custom Product needs.

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Corresponding Cartridges On Next Page

Harmsco® Industrial Up-Flow Filters . . . a design so superior it's patented!



Harmsco[®] High Temperature Filter Housings

Filters come with stainless steel holding rods and standpipes for high temperatures and aggressive chemicals. O-rings are Buna-N; rim gaskets are EPDM; other options, including viton, available. **Note:** Model HIF 7-SS-222 accepts seven cartridges with 222 adapters, eliminating the need for holding rods.

For cartridges with 222 adapters please see All-Poly cartridges listed on page 13.

For caringles with 222 adapters please see All-Poly caringles listed on page 1							
	Model	Max flow Rate	Pipe Size	Ship Wt.			
	HIF 7SS	To 30 GPM	1-1/2"	30 lbs.			
	HIF 7SS-222	To 30 GPM	1-1/2"	35 lbs.			
	HIF 14SS	To 60 GPM	1-1/2"	40 lbs.			
	HIF 16SS	To 75 GPM	2"	42 lbs.			
	HIF 21SS	To 90 GPM	1-1/2"	51 lbs.			
	HIF 24SS	To 100 GPM	2"	52 lbs.			

High-Capacity Filters Ballet High capacity filters have lifting rods to remove a single stack of cartridges at one time. HIF 150FL HIF 200FL **HIF 42 HIF 75 HIF 100** Max. flow rate (U.S. GPM) Up to 175 Up to 300 Up to 400 Up to 600 Up to 800 Max. flow rate (LPM) Up to 662 Up to 1,135 Up to 1,514 Up to 2,271 Up to 3,028 Up to 100 100 Max. flow rate (M³HR) Up to 42 Up to 75 75 Up to 150 150 Up to 200 Number of std. cartridges 200 42 Alternative cartridge Triples Triples Doubles Triples Doubles 4" flanged 1-1/2" NPT 4" flanged 1-1/2" NPT Pipe size 2" NPT 3" NPT 3" NPT 1" NPT 1-1/2" NPT 1-1/2" NPT Drain 58" / 147 cm 42 " / 107 cm 52" / 132 cm 48" / 122 cm Filter height 40" / 102 cm 18" x 18" 68" / 173 cm 20" x 20" 70" / 178 cm 20" x 20" 87" / 221 cm 28" x 28" 76" / 193 cm 28" x 28" 93" / 236 cm Floor space requirement Service height clearance 100 lbs. Shipping weight (approx.) 129 lbs. 188 lbs. 274 lbs. 321 lbs.

86 kg

86 kg

with BSP threads as special order.

Note: All stainless steel housings are 304; 316 available upon request

45 kg

Shipping weight (kg)

156 kg

124 kg



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ANSI-NSE

Corresponding Housings On Previous Page

Genuine Harmsco[®] Filter Cartridges

These top-of-the-line cartridges have extended surface area that can be cleaned & re-used making them much more cost effective.

			Specifi	cations	Exclud	ding High Temp Cartridges
Filter media	Polyester-Plus [™]		•	pH	3 to 11 (see compatibility charts)**	
End caps	Plastisol (pliable P\	/C)		Flow rate	3-6 GPM (11-22 LPM; One M ³ /hr.)p	
Temperature*	Up to 140°F (60°C)	for standard cartridges		Dimensions	2-3/4" (70 mm) 0D; 1-1/16" (27 m	m) ID
	Up to 200°F (93°C)	for high-temp cartridges	5	Shrink wrap	Available in single length 9-3/4" car	tridges
*Temperature limits vary	y and depend on pressure and tim	ie under load.		**For housings and cartridges.	Add "W" to product code when ord	ering
			and most othe		housings, annex 6 og ft surfass a	
9-3/4 (240 mm) Micron	Product Code	Color End Cap	No./Case	Ship/Wt. (lbs)	<i>housings; approx. 6 sq. ft. surface a</i> Ship/Wt. (Kg)	Ctn. Size (in.)
0.35	801-0.35	Brown	24	11	5	12x17x11
1	801-1	Tan	24	11	5	12x17x11
5	801-5	White	24	11	5	12x17x11
10	801-10	Red	24 24	11	5 5	12x17x11
20 50	801-20 801-50	Blue Yellow	24 24	11 11	5	12x17x11 12x17x11
100	801-100	Green	24	11	5	12x17x11
Harmsco [®] 9-3/4"	(248 mm) wrapped carti	ridnes (Individually shri	nk wranned: ar	nrox 6 so ft surface a	irea)	
0.35	801-0.35W	Brown	24	11	5	12x17x11
1	801-1W	Tan	24	11	5	12x17x11
5	801-5W	White	24	11	5	12x17x11
10 20	801-10W 801-20W	Red Blue	24 24	11 11	5 5	12x17x11 12x17x11
50	801-20W	Yellow	24 24	11	5	12x17x11
100	801-100W	Green	24	11	5	12x17x11
Harmsco® 9-3/4"	(248 mm) High-Temp ca	rtridaes for temnerature	s to 200°F. (Ter	nperature limits hased on	pressure and time under load; approx. (6 sg. ft. surface area.)
1	801-1HT	Tan	24	11	5	12x17x11
5	801-5HT	White	24	11	5	12x17x11
20	801-20HT	Blue	24	11	5	12x17x11
50	801-50HT	Yellow	24	11	5	12x17x11
					les; approx. 12 sq. ft. surface area.)	
0.35 1	921-0.35 921-1	Brown Tan	24 24	19 19	9 9	12x17x21 12x17x21
5	921-5	White	24	19	9	12x17x21
10	921-10	Red	24	19	9	12x17x21
20	921-20	Blue	24	19	9	12x17x21
50	921-50	Yellow	24	19	9	12x17x21
					s; approx. 18 sq. ft. surface area.)	
0.35	931-0.35	Brown	24	28	13	12x17x31
1 5	931-1 931-5	Tan White	24 24	28 28	13 13	12x17x31 12x17x31
10	931-10	Red	24	28	13	12x17x31
20	931-20	Blue	24	28	13	12x17x31
50	931-50	Yellow	24	28	13	12x17x31
Harmsco® 9-3/4"	(248 mm) wrapped carti	ridges (individually shrin	nk wrapped; ap	prox. 4 sq. ft. surface ar	rea.)	
1	WB-1W	Tan	24	10	4.5	12x17x11
5	WB-5W	White	24	10	4.5	12x17x11
20 50	WB-20W WB-50W	Blue Yellow	24 24	10 10	4.5 4.5	12x17x11 12x17x11
						12/17/11
Harmsco® 19-1/2* 1	" (495 mm) cartriages (1 WB-921-1	<i>Tan Tan</i>	1 gs requiring "1 24	16 16 16 16 16 16 16 16 16 16 16 16 16 1	es; approx. 8 sq. ft. surface area.) 7.2	12x17x21
5	WB-921-5	White	24	16	7.2	12x17x21
20	WB-921-20	Blue	24	16	7.2	12x17x21
50	WB-921-50	Yellow	24	16	7.2	12x17x21
Harmsco® 29-1/4	" (743 mm) cartridges (H	For Harmsco filter housin	ngs requiring "i	riple length" cartridges	; approx. 12 sq. ft. surface area.)	
1	WB-931-1	Tan	24	22	10	12x17x31
5	WB-931-5	White	24	22 22	10	12x17x31
20 50	WB-931-20 WB-931-50	Blue Yellow	24 24	22	10 10	12x17x31 12x17x31
						12/11/101
5	(2-3/4" OD) Standard ca HAC-10-W	rtriuges.	24	14	6.3	12x17x11
· · · · · ·		when also load removal		17	0.0	12/17/11
Harmsco® 9-3/4 5	(2-3/4" OD) Activated ca HAC-10-LR-W	ardon pius iead removai	24	18	8	12x17x11
-				10	0	12/11//11
	(2-5/8" OD) Molded, pu WBAC-10-W	iverized activated carboi	n cartriages. 30	10	5.0	1 4 4 6 4 4 4
10				13	5.9	14x16x11
	(2-3/4" OD) Solid block	activated carbon cartrid		40	5.0	4446-44
10	HSBAC-10-W		20	13	5.9	14x16x11
Harmsco® 9-3/4"	(2-3/4" OD) POLY-PLEAT	filter cartridges.			_	
1	PP-S-1		24	11	5	12x17x11
Harmsco® 19-1/2	" (2-3/4" OD) POLY-PLEA	AT filter cartridges.				
1	PP-D-1		24	19	9	12x17x21
Harmsco® 29-1/4						
	" (2-3/4" OD) POLY-PLEA	AT filter cartridges.				
1	" (2-3/4" OD) POLY-PLEA PP-T-1	AT filter cartridges.	24	28	13	12x17x31

See Page 21 For Harmsco[®] Filter Cartridges For Competitive Housings (10", 20", 30", 40")

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Corresponding Cartridges On Next Page

Harmsco[®] Band Clamp Filters

Harmsco® Band Clamp Filters utilize patented Up-Flow Filtration while simplifying installation and maintenance.

- All Housings constructed with 304 Stainless Steel**
- Available in either Electropolish (EP) or Polycoat (PC) finishes

High Temperature Filters Available

BC4-1-T-EP BC4-1-T-PC	
Lin to 25	





BC6-2-T-EP





BC4-3-T-EP BC4-3-T-PC

Max flow rate (U.S. GPM)	Up to 25	Up to 50	Up to 75
Max flow rate (LPM)	Up to 95	Up to 190	Up to 285
Max. flow (M ³ HR)	Up to 5	Up to 12	Up to 17
Number of standard cartridges	4	8	12
Alternative cartridge	Single Only	Doubles	Triples
Pipe size	2" FPT	2" FPT	2" FPT
Drain	1/2" NPT	1/2" NPT	1/2" NPT
Filter height	19-1/2"	29-1/4"	39"
Floor space requirement	13" x 13"	13" x 13"	13" x 13"
Service height clearance	28"	47"	67"
Shipping weight	27 lbs.	32 lbs.	38 lbs.



BC6-3-T-EP

	BC6-1-T-PC	BC6-2-T-PC	BC6-3-T-PC
Max flow rate (U.S. GPM)	Up to 42	Up to 84	Up to 126
Max flow rate (LPM)	Up to 159	Up to 318	Up to 477
Max. flow (M ³ HR)	Up to 10	Up to 19	Up to 29
Number of standard cartridges	6	12	18
Alternative cartridge	Single Only	Doubles	Triples
Pipe size	2" FPT	2" FPT	2" FPT
Drain	1/2" NPT	1/2" NPT	1/2" NPT
Filter height	26-1/2"	36-1/4"	46"
Floor space requirement	15" x 15"	15" x 15"	15" x 15"
Service height clearance	28"	47"	67"
Shipping weight	32 lbs.	37 lbs.	42 lbs.

*Poly Coat

**T-316 Call for availability and quote

BC6-1-T-EP

Note: All units available in NPT or Victaulic Fittings

Harmsco recommends operation at 60-70% of maximum flow rate for optimum performance. Pressure rated to 150 psi (10 bar) max. Standard Harmsco® Up-Flow filter housings and filter cartridges rated for temperatures to 140°F (60°C); ratings based on pressure and time under load. All Stainless Filter housings and high temperature cartridges (see pages 9,11) recommended for temperatures to 200°F (93°C). Cartridges not included. For cartridge installation add \$55 service fee. Units also available

Note: All stainless steel housings are 304; 316 available upon request.

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Certified to

Corresponding Housings On Previous Page

Genuine Harmsco[®] Filter Cartridges

These top-of-the-line cartridges have extended surface area that can be cleaned & re-used making them much more cost effective.

Filter media End caps Temperature* Polyester-Plus" Filter metatores Plastisol (pliable PVC) Up to 140°F (60°C) for standard ca Up to 200°F (93°C) for high-temp of "Temperature limits vary and depend on pressure and time under load. 9-3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron Product Code Color End Cap 0.35 9.35 801-0.35 Brown 1 801-1 Tan 5 801-50 White 10 801-10 Red 20 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-50W White 10 801-10W Red 20 20 801-20W Blue 50 20 801-20W Blue 50 20 801-20W Blue 50 20 801-20HT Blue 50 20 801-20HT Blue 50 20 801-20HT Blue 50 21-10 Red 20 921-5 White	Snooifi Snooifi	a diara		ANSI-NSF 61
End caps Temperature* Plastisol (pliable PVC) Up to 140°F (60°C) for standard ca Up to 200°F (93°C) for high-temp of "emperature limits vary and depend on pressure and time under load. 9-3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 1 801-1 Tan 5 801-20 Blue 50 801-20 Blue 50 801-20 Blue 50 801-35W Brown 10 801-10 Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Red 20 801-50W Yellow 100 801-50W Yellow 100 801-50HT White 10 801-50HT White 20 801-50HT Yellow 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-5 White <th>Specifi</th> <th>ications</th> <th></th> <th>xcluding High Temp Cartridge</th>	Specifi	ications		xcluding High Temp Cartridge
Temperature * Up to 140°F (60°C) for standard ca Up to 200°F (93°C) for high-temp of *Temperature limits vary and depend on pressure and time under load. 9.3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron 9.3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron Frown 1 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 0.35 801-20W Blue 50 801-50W Yellow 10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 1 801-51HT White 20 921-1 Tan 5 921-1 Tan		pH	3 to 11 (see compatibility charts	
Up to 200°F (93°C) for high-temp of "Temperature limits vary and depend on pressure and time under load. 9-3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 Tan 5 801-0.35 White 10 801-10 Red 20 801-20 Blue 50 801-35W Brown 10 801-10W Red 20 801-0.35W Brown 10 801-10W Red 20 801-20W Blue 5 801-5W White 10 801-1W Tan 5 801-5W White 20 801-20W Blue 50 801-10W Red 20 801-11T Tan 5 801-5HT White 20 801-20W Blue 50 921-1 Tan 50 921-		Flow rate	3-6 GPM (11-22 LPM; One M ³ /	
Temperature limits vary and depend on pressure and time under load. 9-3/4" (248 mm) (For all Harmsco® multi-cartridge filter Wicron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-0.35W White 10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Red 20 801-20H Blue 50 801-50HT White 20 801-20HT Blue 50 921-0.35 Brown 1 921-1 Tan 5 931-0.35 Brown 1 921-5 White </td <td></td> <td>Dimensions</td> <td>2-3/4" (70 mm) 0D; 1-1/16" (2</td> <td></td>		Dimensions	2-3/4" (70 mm) 0D; 1-1/16" (2	
9-3/4" (248 mm) (For all Harmsco® multi-cartridge filter Micron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 0.35 801-0.35W Brown 1 801-10W Rad 20 801-20W Blue 20 801-20HT Tan 5 931-03E Brown 10 921-1 Tan 5 921-20 Blue 20 921-20 Blue 20 931-35 White <td< td=""><td>artridges</td><td>Shrink wrap</td><td>Available in single length 9-3/4"</td><td></td></td<>	artridges	Shrink wrap	Available in single length 9-3/4"	
Micron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-0.35W Brown 100 801-10W Red 20 801-0.35W Brown 11 801-10W Red 20 801-0.35W White 10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-50W Yellow 100 801-50HT White 20 801-20HT Blue 50 801-50HT Yellow 100 921-1 Tan 5 921-5 White 20 921-5 White 20 921-5 White 20 921-5 Welaw 4 9		**For housings and cartridges.	Add "W" to product code when	ordering
Micron Product Code Color End Cap 0.35 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 10 801-20 Blue 20 801-20 Blue 30 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 3.35 801-0.35W Brown 1 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-50W Yellow 100 801-50HT White 20 801-20HT Blue 50 801-50HT Yellow 100 921-1 Tan 5 921-5 White 20 921-5 White 20 921-5 Wohite 20 921-5 White 20 931-5 Wellow <t< td=""><td>have in ward word ath</td><td>en einele eestuidee filler</td><td></td><td></td></t<>	have in ward word ath	en einele eestuidee filler		
D.35 801-0.35 Brown 1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 20 801-20 Blue 20 801-20 Blue 20 801-20 Blue 20 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 20 801-20W Blue 20 801-20HT Blue 20 921-0.35 Brown 1 921-1 Tan 5 921-20 Blue 20 921-20 <td></td> <td></td> <td></td> <td></td>				
1 801-1 Tan 5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-30 Yellow 100 801-100 Green Harmsco [®] 9-3/4" (248 mm) wrapped cartridges (Individue 0.35 801-0.35W Brown 1 801-1W Tan 5 801-50W White 10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco [®] 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-5AHT White 20 801-20HT Blue 50 921-0.35 Brown 44rmsco [®] 19-1/2" (495 mm) cartridges (For Harmsco [®] fi 0.35 931-5 White 10 921-1 Tan	No./Case	Ship/Wt. (lbs) 11	Ship/Wt. (Kg)	Ctn. Size (in.) 12x17x11
5 801-5 White 10 801-10 Red 20 801-20 Blue 50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-0.35W Brown 1 801-10W Red 20 801-20W Blue 50 801-50W Yellow 10 801-10W Red 20 801-20W Blue 50 801-51HT Tan 5 801-51HT White 20 801-20HT Blue 50 801-50HT Yellow 40 801-51HT Yellow 41 921-1 Tan 5 921-0.35 Brown 1 921-1 Tan 5 921-5 White 20 921-20 Blue 50 931-5 Wolite 20 931	24 24	11	5 5	12x17x11
10 801-10 Red 20 801-20 Blue 20 801-20 Blue 50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-0.35W Brown 1 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 1 921-1 Tan 5 801-50HT White 20 801-20HT Blue 50 921-10 Red 20 921-10 Red 20 921-10 Red 20 921-50 White 10 921-10 Red 20 931-0.35 Brown 1 931-1 Tan	24	11	5	12x17x11
50 801-50 Yellow 100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-0.35W Brown 1 801-1W Tan 5 801-5W White 10 801-10W Red 20 801-20W Blue 50 801-5W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 931-10 Red 20 931-20 Blue 50 931-5 White<	24	11	5	12x17x11
100 801-100 Green Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 0.35 801-0.35W Brown 1 801-1W Tan 5 801-5W White 100 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 931-0.35 Brown 1 931-1 Tan 5 931-5 White 20 931-50 Yello	24	11	5	12x17x11
Harmsco® 9-3/4" (248 mm) wrapped cartridges (Individu 2.35 801-0.35W Brown 1 801-1W Tan 5 801-5W White 10 801-10W Red 20 801-20W Blue 50 801-5W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow 400 801-20HT Blue 50 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-5 White 10 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/2" (248 mm) wr	24	11	5	12x17x11
D.35 801-0.35W Brown 1 801-1W Tan 5 801-5W White 10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-51HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 20.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-120 <	24	11	5	12x17x11
801-1W Tan 5 801-5W White 60 801-20W Blue 50 801-50W Yellow 60 801-20W Blue 50 801-50W Yellow 60 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 931-50 Yellow <	ally shrink wrapped; a	pprox. 6 sq. ft. surface a	rea.)	
5 801-5W White 10 801-10W Red 20 801-20W Blue 100 801-100W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 50 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 90 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 WB-20W Blue <tr< td=""><td>24</td><td>11</td><td>5</td><td>12x17x11</td></tr<>	24	11	5	12x17x11
10 801-10W Red 20 801-20W Blue 50 801-50W Yellow 100 801-10W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-51HT White 20 801-50HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-20 Blue 60 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-9UW Tan 5 WB-5W White 20 WB-210 Tan 5 WB-921-1 Tan	24	11	5	12x17x11
20 801-20W Blue 50 801-50W Yellow 100 801-100W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for tem 100 801-1HT Tan 5 801-20HT Blue 20 801-20HT Blue 20 801-20HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 20.35 921-0.35 Brown 1 921-1 Tan 5 921-50 White 20 921-50 Yellow Harmsco® 29.1/4" (743 mm) cartridges (For Harmsco® fi 20 921-50 Yellow Harmsco® 9.31-1 Tan 5 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu WB-1W Tan Tan 5 WB-5W White 20 WB-20W Blue 20 WB-921-1 Tan	24	11	5	12x17x11
50 801-50W Yellow 100 801-100W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 1 801-5HT White 20 801-20HT Blue 5 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-50 White 10 921-10 Red 20 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-2DW Blue 50 WB-20W Blue	24 24	11 11	5 5	12x17x11 12x17x11
100 801-100W Green Harmsco® 9-3/4" (248 mm) High-Temp cartridges for ten 801-5HT 1 801-1HT Tan 5 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-92N-1 Tan <td>24 24</td> <td>11</td> <td>5</td> <td>12x17x11</td>	24 24	11	5	12x17x11
Harmsco® 9-3/4" (248 mm) High-Temp cartridges for tem 1 801-1HT Tan 5 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 1 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-	24	11	5	12x17x11
1 801-1HT Tan 5 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 1 WB-1W Tan 5 WB-5W White 20 931-50 Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 5 WB-921-5 White 20 WB-921-5 White 20			nressure and time under load: one	
5 801-5HT White 20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-20 Blue 20 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 931-50 Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-5 White 20 WB-921-5 White 20 WB-921-5 White 20	24	11 niperature minis based on	5	12x17x11
20 801-20HT Blue 50 801-50HT Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-50 Wellow Harmsco® 931-50 Yellow Harmsco® 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-100 Red 20 931-50 Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco fills 1 WB-20W Blue 20 WB-921-1 Tan 5 WB-921-5 White <td>24 24</td> <td>11</td> <td>5</td> <td>12x17x11</td>	24 24	11	5	12x17x11
Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco® fi 0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 50 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-931-5 <t< td=""><td>24</td><td>11</td><td>5</td><td>12x17x11</td></t<>	24	11	5	12x17x11
0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-5 White 20 WB-931-5 Yellow Harmsco® 29-1/4" (743 mm) cartridges (Fo	24	11	5	12x17x11
0.35 921-0.35 Brown 1 921-1 Tan 5 921-5 White 10 921-10 Red 20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-5 White 20 WB-931-5 Yellow Harmsco® 29-1/4" (743 mm) cartridges (Fo	ter housinas reauirina	"double" length cartrido	ies: annrox, 12 so, ft, surface ar	ea.)
5 921-5 White 10 921-10 Red 10 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 50 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-2W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-5 White 20 WB-921-5 White 20 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-0<	24	19	9	12x17x21
10 921-10 Red 20 921-20 Blue 50 921-20 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 1 WB-921-1 Tan 50 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 1 WB-931-5 White 20 WB-931-5 White 20 WB-931-5 Yellow Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 1	24	19	9	12x17x21
20 921-20 Blue 50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-5 White 20 WB-931-5	24	19	9	12x17x21
50 921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 50 931-50 Yellow Harmsco® Harmsco® (1000000000000000000000000000000000000	24	19	9	12x17x21
Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco® fi 0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 931-5 White 20 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-92N Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-5 White 20 WB-931-1 Tan 5 WB-931-20 Blue 60 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" 0D) Activated carbon plus lead HAC-10-W Harmsco® 9-3/4" (2-5/8"	24	19	9	12x17x21
0.35 931-0.35 Brown 1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-50W White 20 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-5 HAC-10-W Harmsco®	24	19	9	12x17x21
1 931-1 Tan 5 931-5 White 10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 5 WB-5W White 20 WB-20W Blue 5 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-1 Tan 5 WB-931-20 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" 0D) Activated carbon plus lead 5 HAC-10-W Harmsco® Harmsco® 9-3/4" (2-5/8" 0D) Molded, pulverized activated		"triple" length cartridge	s; approx. 18 sq. ft. surface area	a.)
5 931-5 White 10 931-10 Red 10 931-20 Blue 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu Tan 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-20W Blue 50 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 50 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 1 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 10 WBAC-10-W Harmsco®	24	28	13	12x17x31
10 931-10 Red 20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 5 WB-20W Blue 50 WB-20W Blue 50 WB-20W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activated carbon 10 WBAC-10-W	24	28	13	12x17x31
20 931-20 Blue 50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 50 WB-5W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow Harmsco® 29-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-UR-W Harmsco® Harmsco® 9-3/4" (2-3/4" O	24 24	28 28	13 13	12x17x31 12x17x31
50 931-50 Yellow Harmsco® 9-3/4" (248 mm) wrapped cartridges (individu 1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 50 WB-5W White 20 WB-20W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt) 1 WB-921-1 Tan 5 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt) 1 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" HAC-10-UR-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon	24	28	13	12x17x31
1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activated carbon 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge <	24	28	13	12x17x31
1 WB-1W Tan 5 WB-5W White 20 WB-20W Blue 20 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-5 White 20 WB-931-50 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 50 HAC-10-W Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carboo 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLE	ally chrink wrannod: ar	nrov A sa ft surface a	202)	
5 WB-5W White 20 WB-20W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco fill 1 WB-921-1 Tan 5 WB-921-20 Blue 20 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco fill 1 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco fill 1 WB-931-1 Tan 5 WB-931-50 White 20 WB-931-50 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco® Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridges	24	10 10	4.5	12x17x11
20 WB-20W Blue 50 WB-50W Yellow Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-5 White 20 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Molded, pulverized activate 5 HAC-10-UR-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD)	24	10	4.5	12x17x11
Harmsco® 19-1/2" (495 mm) cartridges (For Harmsco filt 1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-20 Blue 20 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 1 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 1 WB-931-1 Tan 5 WB-931-20 Blue 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 16 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge <td>24</td> <td>10</td> <td>4.5</td> <td>12x17x11</td>	24	10	4.5	12x17x11
1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt Tan 50 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt Tan 50 WB-931-1 Tan 55 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 10 WBAC-10-LR-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge <td>24</td> <td>10</td> <td>4.5</td> <td>12x17x11</td>	24	10	4.5	12x17x11
1 WB-921-1 Tan 5 WB-921-5 White 20 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt Tan 1 WB-931-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt Tan 5 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 PP-S-1	er housinas reauirina '	'double length" cartridge	es annrox 8 so ft surface area	
5 WB-921-5 White 20 WB-921-20 Blue 50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt 1 WB-931-50 Yellow 1 WB-931-1 Tan 5 WB-931-20 Blue 20 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activated carbon plus lead 5 HAC-10-UR-W Harmsco® 9-3/4" Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon plus lead 10 WBAC-10-W WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon plus lead 10 HSBAC-10-W Harmsco® Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge			7.2	.) 12x17x21
50 WB-921-50 Yellow Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt Tan 1 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-20 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" 0D) Standard cartridges. HAC-10-W Harmsco® 9-3/4" (2-3/4" 0D) Activated carbon plus lead HAC-10-LR-W Harmsco® 9-3/4" (2-5/8" 0D) Molded, pulverized activate MBAC-10-W Harmsco® 9-3/4" (2-3/4" 0D) Solid block activated carbon HSBAC-10-W Harmsco® 9-3/4" (2-3/4" 0D) POLY-PLEAT filter cartridge PP-S-1 Harmsco® 9-3/4" (2-3/4" 0D) POLY-PLEAT filter cartridge PP-S-1	24	16	7.2	12x17x21
Harmsco® 29-1/4" (743 mm) cartridges (For Harmsco filt1WB-931-1Tan5WB-931-5White20WB-931-20Blue50WB-931-50YellowHarmsco® 9-3/4" (2-3/4" OD) Standard cartridges.5HAC-10-WHarmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead5HAC-10-LR-WHarmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activate10WBAC-10-WHarmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon10HSBAC-10-WHarmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge1PP-S-1Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	16	7.2	12x17x21
1 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-20 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activated 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	16	7.2	12x17x21
1 WB-931-1 Tan 5 WB-931-5 White 20 WB-931-20 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activated 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	er housings requiring "	triple length" cartridges	; approx. 12 sq. ft. surface area	.)
20 WB-931-20 Blue 50 WB-931-50 Yellow Harmsco® 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco® 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) Solid block activated carbon 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 10 HSBAC-10-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 11 PP-S-1	24	22	10	12x17x31
50 WB-931-50 Yellow Harmsco [®] 9-3/4" (2-3/4" OD) Standard cartridges. HAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Activated carbon plus lead HAC-10-LR-W Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activated WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbon HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	22	10	12x17x31
Harmsco [®] 9-3/4" (2-3/4" OD) Standard cartridges. 5 HAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activated 10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	22	10	12x17x31
5 HAC-10-Ŵ Harmsco [®] 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	22	10	12x17x31
Harmsco [®] 9-3/4" (2-3/4" OD) Activated carbon plus lead 5 HAC-10-LR-W Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge				
5 HAC-10-LR-W Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	24	14	6.3	12x17x11
Harmsco [®] 9-3/4" (2-5/8" OD) Molded, pulverized activate 10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridge	removal cartridges.			
10 WBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) Solid block activated carbo 10 HSBAC-10-W Harmsco [®] 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco [®] 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridg	24	18	8	12x17x11
10 HSBAC-1Ó-W Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge 1 PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridg	ed carbon cartridges. 30	13	5.9	14x16x11
Harmsco® 9-3/4" (2-3/4" OD) POLY-PLEAT filter cartridge PP-S-1 Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridg	<i>n cartridges.</i> 20	13	5.9	14x16x11
Harmsco® 19-1/2" (2-3/4" OD) POLY-PLEAT filter cartridg		11	5	12x17x11
· · · · · · · · · · · · · · · · · · ·		19	9	12x17x21
Harmsco® 29-1/4" (2-3/4" OD) POLY-PLEAT filter cartridg	es.			
1 PP-T-1	24	28	13	12x17x31

See Page 21 For Harmsco[®] Filter Cartridges For Competitive Housings (10", 20", 30", 40")

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Harmsco[®] WaterBetter[®] Cartridges Our Economy Brand for Residential and Light Commercial Applications

	-	-									
Filter r End ca	nedia Polyester- os Plastisol (Plus [™] Surfac pliable PVC)	e area	Approximately 4 sq. fl per 9-3/4" length			mpatibility charts)* m) OD; 1-1/16"				
			erature limit	Up to 140°F (60°C) de		(27 mm) ID	,,,,				
				pressure and time und			gs and cartridges.				
Micron	Product Code	Color End Caps	No./Case	Ship/Wt. (lbs.)	Ship/Wt. (kg)	Ctn. Size (in.)					
9-3/4" (9-3/4" (248 mm) Wrapped cartridges (Individually shrink wrapped.)										
1	WB-1W	Tan	24	10	4.5	12x17x11					
5	WB-5W	White	24	10	4.5	12x17x11					
20	WB-20W	Blue	24	10	4.5	12x17x11					
50	WB-50W	Yellow	24	10	4.5	12x17x11					
10 1/07	(ADE man) Contrid		Hay haveing	vonuiring üdenble ler	ath" contriduce	,	NGE				
19-1/2			-	requiring "double len	,						
1	WB-921-1	Tan	24	16	7.3	12x17x21					
5	WB-921-5	White	24	16	7.3	12x17x21	Certified to ANSI-NSF 61				
20	WB-921-20	Blue	24	16	7.3	12x17x21					
50	WB-921-50	Yellow	24	16	7.3	12x17x21					
29-1/4"	29-1/4" (743 mm) Cartridges (For Harmsco filter housings requiring "triple length" cartridges.)										
1	WB-931-1	Tan	24	22	10	12x17x31					
5	WB-931-5	White	24	22	10	12x17x31					
20	WB-931-20	Blue	24	22	10	12x17x31					
50	WB-931-50	Yellow	24	22	10	12x17x31					
			21		10						

MATRIKX® Extruded Activated Carbon Block Filters To Fit Harmsco® Filter Housings

HAC-KX-CTO/2

MATRIKX + $CTO^{\mathbb{R}}/2$ filters are the most widely used carbon block devices in the world and provide previously unattainable performance at the lowest price point.

MATRIKX + $CTO^{\mathbb{R}}/2$ filters simultaneously remove free chlorine and organic chemicals that contribute to taste and odor while providing the particulate filtration and dirtholding capacity of an efficient 5 µm nominal sediment filter.

These filters are optimized for applications where they perform the role of both a sediment and an activated carbon filter.

HAC-KX-PB1

MATRIKX + Pb1 is a powerful, multifunctional filter cartridge for residential and commercial water purification systems.

Heavy Metals Reduction

MATRIKX + Pb1 extruded activated carbon filters reduce soluble lead using an ion-exchange filter medium with high specificity for soluble lead.

Particulate filtration is used to intercept insoluble lead-containing particles. Standard 2.50" O.D. x 9.75" L filters will reduce lead, meeting the performance requirements of NSF/ANSI Standard 53 protocol for over 2,500 gallons when operating at a flow of 0.75 GPM.



Model	No. per case	Carton size (in.)	Ship wieght (lbs.)
HAC-KX-CTO/2	20	15 x 12 x 11	21
HAC-KX-PB1	20	15 x 12 x 11	25







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All-Poly Cartridges

For Fine Retention Ratings, Ultrapure Water and Chemical Compatibility

High efficiency cartridges for wide range of filtration requirements. All polypropylene construction for chemical compatibility; non-leaching. Pleated for increased surface area, low pressure drop

and long life. Ideal for food, beverage, deionized water, fine chemicals, wastewater, plating chemicals, pharmaceutical, R/O pre-filtration and more!

 Media (microfibers)
 Polypropylene

 Media (membrane)
 Polyethersulfone

 Center tubes, end caps, cage/netting
 Polypropylene

 Micron ratings
 Nominal and absolute

 O-rings (for 222 end caps)
 Silicone

 Flow Rate (per 9-3/4" length cartridge) 3-6 GPM in water



All-Poly cartridges fit in slimline plastic housings, Harmsco[®] high capacity filters, and Harmsco[®] Up-Flow cluster filters. Knife edge gasket NOT required using All-Poly cartridges between top plate and cartridge using Harmsco[®] cluster filters.

Product Code	Micron	Rating	End Cap	Length	No./Case	Wt. (lbs.)	Ctn. Size (in.)
High Efficiency (Cartridges	(98% efficier	nt.)				
0.2 micron, DOE with	rigid cage; te	emperature rated	to 200°F (93°C)				
PP-10-0.2-DOE	0.2	Nominal	DOE	9-3/4"	12	7	14 x 11 x 14
PP-20-0.2-DOE	0.2	Nominal	DOE	19-1/2"	12	13	14 x 11 x 25
PP-30-0.2-DOE	0.2	Nominal	DOE	29-1/4"	12	20	14 x 11 x 35
PP-40-0.2-DOE	0.2	Nominal	DOE	40"	6	25	14 x 11 x 45
PP-20E-0.2-DOE	0.2	Nominal	DOE	20" exact	12	13	14 x 11 x 25
0.2 micron, with 222	o-ring end ca	ps and rigid cage,	; temperature ra	nted to 200°F (93°	°C)		
PP-10-0.2-222	0.2	Nominal	222	9-3/4"	12	7	14 x 11 x 14
PP-20-0.2-222	0.2	Nominal	222	19-1/2"	12	13	14 x 11 x 25
PP-30-0.2-222	0.2	Nominal	222	29-1/4"	12	20	14 x 11 x 35
PP-40-0.2-222	0.2	Nominal	222	40"	6	25	14 x 11 x 45
1 micron, DOE with n	etting cage: te	emnerature rated	to 125°F (52°C)	@ 35 nsid			
PP-10-1-DOE	1	Nominal	DOE	9-3/4"	12	7	14 x 11 x 14
PP-20-1-DOE	1	Nominal	DOE	19-1/2"	12	13	14 x 11 x 25
PP-30-1-DOE	1	Nominal	DOE	29-1/4"	6	20	9 x 6 x 34
PP-40-1-DOE	1	Nominal	DOE	40"	6	25	9 x 6 x 45
1 micron, with 222 o-	-				-		
PP-10-1-222	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Nominal	222	9-3/4"	12	7	14 x 11 x 14
PP-20-1-222	1	Nominal	222	19-1/2"	12	13	14 x 11 x 25
PP-30-1-222	1	Nominal	222	29-1/4"	6	6	9 x 6 x 34
PP-40-1-222	1	Nominal	222	40"	6	6	9 x 6 x 45
-	•				0	Ū	0 / 0 / 40
5 micron, DOE with no PP-10-5-DOE	5 <i>sumy caye, u</i>	Nominal	DOE	9-3/4"	12	7	14 x 11 x 14
	-						
PP-20-5-DOE	5	Nominal	DOE	19-1/2"	12	13	14 x 11 x 25
PP-30-5-DOE	5	Nominal	DOE	29-1/4" 40"	12	19	14 x 11 x 35
PP-40-5-DOE	5	Nominal	DOE		6	25	14 x 11 x 45
25 micron, DOE with					10	_	
PP-10-25-DOE	25	Nominal	DOE	9-3/4"	12	7	14 x 11 x 14
PP-20-25-DOE	25	Nominal	DOE	19-1/2"	12	13	14 x 11 x 25
PP-30-25-DOE	25	Nominal	DOE	29-1/4"	12	19	14 x 11 x 35
PP-40-25-DOE	25	Nominal	DOE	40"	6	25	14 x 11 x 45
Absolute Rated (Portridado	(Tomporoture	rotod to 20	0°⊑ (02°∩\• ⊾	00 00/ officia	nt)	
0.2 micron. DOE with		(Temperature		U F (93 C), >	99.9% emule	m. <i>)</i>	
PP-A-10-0.2-DOE	0.2	Absolute	DOE	9-3/4	12	7	14 x 11 x 14
PP-A-20-0.2-DOE	0.2	Absolute	DOE	19-1/2"	12	13	14 x 11 x 25
PP-A-20E-0.2DOE	0.2	Absolute	DOE	20" Exact	12	13	14 x 11 x 25
PP-A-30-0.2-DOE	0.2	Absolute	DOE	29-1/4"	12	20	14 x 11 x 35
0.2 micron, with 222	-					-	
PP-A-10-0.2-222	0.2	Absolute	222	9-3/4"	12	7	14 x 11 x 14
PP-A-20-0.2-222	0.2	Absolute	222	9-3/4 19-1/2"	12	13	14 x 11 x 14
PP-A-30-0.2-222	0.2	Absolute	222	29-1/4"	12	20	14 x 11 x 25 14 x 11 x 35
11 7-00-0.2-222	0.2	Absolute		23-1/ 1	12	20	17 11 1 30

For pricing, please visit our website at www.harmsco.com



Harmsco[®] POLY-PLEATTM Absolute 1 Micron Filter Cartridges One micron absolute rated cartridges for Cryptosporidium & Giardia Cysts removal.

One micron absolute rated cartridges for Cryptosporidium & Giardia Cysts removal. POLY-PLEAT[™] cartridges meet or exceed the three-log (99.9%) removal requirement for cyst reduction and are certified effective by independent testing. Available for Harmsco[®], Big-Blue* and Hurricane[®] filter housings. Cartridges not reusable.





Specifications

 Micron ratings:
 One micron absolute for cryptosporidium and giardia cysts.

 Filter media:
 Meltblown polypropylene inner layer with outer layers of polypropylene scrim material for support.

 Center tubes:
 Rigid PVC with perforations, or molded polypropylene.

 End caps:
 Pliable PVC with sealing surface built-in.

 Temperature:
 140°F/60°C temperature limit (varies depending on pressure and time under load).

 Up to .5 gpm/ft² media.
 Up to .5 gpm/ft² media.

Netting: Pc Shrink wrap: Sta

ttes: Up to .5 gpm/ft² media. : Polypropylene netting standard for 2-3/4" O.D.; 10" & 20" cartridges use polyethylene netting.

wrap: Standard for all POLY-PLEAT™ cartridges.

	Product Code	Micron Rating	Media (sq. ft.)	Туре	Length (in.)	O.D. (in.)	No./ Case	Carton Size (in.)
Standard (2-3/4" O.D.)	PP-S-1	1 absolute	3.7	Standard	9-3/4	2-3/4	24	12 x 17 x 11
	PP-D-1	1 absolute	7.5	Standard	19-1/2	2-3/4	24	12 x 17 x 21
	PP-T-1	1 absolute	11	Standard	29-1/4	2-3/4	24	12 x 17 x 31
	PP-20E-1	1 absolute	7.5	Standard	20	2-3/4	24	12 x 17 x 21
Calypso Blue™ (10" & 20")	PP-BB-10-1	1 absolute	8	Big Blue*	9-3/4	4-1/2	8	10 x 10 x 21
	PP-BB-20-1	1 absolute	16.5	Big Blue*	20	4-1/2	4	10 x 10 x 21
(10,00,170)	PP-HC/40-1	1 absolute	27	Hurricane	9-5/8	7-3/4	1	9 x 9 x 11
<i>Hurricane[®] (40, 90, 170)</i>	PP-HC/90-1	1 absolute	58	Hurricane	19-1/2	7-3/4	1	9 x 9 x 21
	PP-HC/170-1	1 absolute	100	Hurricane	30-3/4	7-3/4	1	9 x 9 x 32

*Big-Blue is a registered trademark of Plymouth Products, Inc.

Harmsco® Activated Carbon Cartridges

For chlorine, taste, odor	Code	Length	No./Case	Ship Wt.	Carton Size		
and lead removal.	Standard cartri	dges (2-3/4"	OD)				
When your customers demand	HAC-10-W	9-3/4"	24	14 lbs.	12"x17"x11"		
the very best quality for their	HAC-20-W*	20"	24	30 lbs.	12"x17"x21"	NSF	
process, select Harmsco®	*For competitive	housings. Wi	II not fit Harms	co housings.			
activated carbon cartridges	Calypso Blue™	cartridges (4	I-1/2" OD)			COMPONENT	Maria
with high carbon content for	HAC-BB-10-W	9-3/4"	8	14 lbs.	10"x10"x21"	HAC-10-W, HAC-20-W, HAC-10-LR-W a WBAC=10-W Filter Cartridges are Test	
superior performance and long	HAC-BB-20-W	20"	4	12 lbs.	10"x10"x21"	and Certified by NSF International Und ANSI / NSF Standard 42 Materials.	er
life. All cartridges individually wrapped. Five micron nominal.	Activated carbo	on plus lead	removal cartri	idges (2-3/4"	OD)		(Maller)
wrapped. Five micron norminal.	HAC-10-LR-W	9-3/4"	24	18 lbs.	12"x17"x11"		
Product Code Type / Descri	ption Dime (in.)	ensions	Flow I (gpm)		icity No./Case		nip. Weight os./kg.)

	Type / Description	(in.)	(gpm)	(gals.)	110./0036	(in.)	(lbs./kg.)
WBAC-10-W	Molded, pulverized activated carbon; economically priced.	9-3/4 x 2-5/8 x 1-1/16	1.5	1,500	30	14 x 16 x 11	13 / 5.9
HSBAC-10-W	Solid block activated carbon for long life and reduced filtration costs.	9-3/4 x 2-3/4 x 1-1/16	1.0	9,000	20	14 x 16 x 11	13 / 5.9

Temperature limits (10 micron nominal): WBAC-10-W: 140°F (60°C); HSBAC-10-W: 125°F (52°C)

Harmsco® Up-flow Filter HIF 5x170FL

Filter features a convenient five jumbo-cartridge cluster design using 170 size Hurricane[®] cartridges. 850 sq. ft. of filter media surface area. Rated for pressures to 125 PSI and temperatures to 140°F (60°C). Cartridges available in nine micron ratings and activated carbon.

Max. flow rate (U.S. GPM) Max. flow rate (LPM) Max. flow (M³HR) Pipe size Drain

M) Up to 600 F Up to 2270 F Up to 150 S 4" flanged S 1 1/2" NPT

Filter height Floor space requirement Service height clearance Shipping weight (approx.)

47" / 120 cm 28" x 28" 85" / 216 cm 230 lbs. / 105 kg



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Harmsco® Hurricane® Filters With ASME "U" Stamp Certification

Filters meet ASME design requirements for high pressure applications and when insurance compliance is required. Rugged, heavy-duty construction for long equipment life and durability.

Quantity Discounts Available. Call for quote and delivery schedule.

Specifications	:									
Material:	304 stainless st	eel								
Closure:	Hinged lids with	nged lids with swing-bolts								
	(Spring assist or	pring assist on Model HUR 850ASME)								
Pressure:		i (13.3 bar) @ 100	۴F							
Temperature:	Cartridges rated	l to 140°F (60°C)								
Filter Model	Cartridge	Max. Flow Rate	Inlet/Outlet	Height	Ship Wt.					
HUR 90 ASME	Model 90 (1)	Up to 100 GPM	2"	36"	225 lbs.					
HUR 170 ASME	Model 170 (1)	Up to 150 GPM	2"	48"	250 lbs.					
HUR 850 ASME	Model 170 (5)	Up to 600 GPM	4" *	66"	900 lbs.					
			*Flanged							



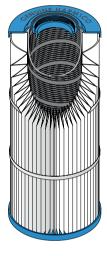
Models HUR 170 ASME, HUR 850 ASME and HUR 90 ASME

Harmsco® Hurricane® and WaterBetter® High Temperature Replacement Cartridges

For Housings listed on pages 17, 18, 19

Cleanable and reusable in most applications. Rated for Temperatures to 200°F (93°C) and Pressures of 50 PSID.

Product Code	Micron	No./case	Ship Wt. (Ibs.)	Carton Size (in.)
HC/40-20HT	20	1	4	9 x 9 x 11
HC/40-50HT	50	1	4	9 x 9 x 11
HC/90-5CPHT	5	1	7	9 x 9 x 21
HC/90-10HT	10	1	7	9 x 9 x 21
HC/90-20HT	20	1	7	9 x 9 x 21
HC/90-50HT	50	1	7	9 x 9 x 21
HC/170-5HT	5	1	10	9 x 9 x 32
HC/170-5CPHT	5	1	10	9 x 9 x 32
HC/170-10HT	10	1	10	9 x 9 x 32
HC/170-20HT	20	1	10	9 x 9 x 32
HC/170-50HT	50	1	10	9 x 9 x 32



High Temperature Replacement Cartridge

FDA Compliant

316 Stainless Steel Single Cartridge Filter Housings



A series of rugged, heavy-duty stainless steel filter cartridge housings suitable for high-flow, high-capacity, and/ or high temperature applications. Accept 10" and 20" length nominally sized cartridges.

Sumps have a spring-loaded seal plate to accept cartridges of varying length. This design also allows easier assembly of sump into head by raising the cartridge an inch for easy mating with centering post.

All models feature stainless steel sump and head. Includes 1/4" NPT drain.

Operating pressure range: 300 psi (20.7 bar) maximum Operating temperature: 40-300° F (4-149° C)			Dimensions (approx.): 4-1/8" OD x 15-5/8" length (10" models) 4-1/8" OD x 25-3/8" length (20" models)					
Product Code	Туре	Pipe	Case	Wt. (lbs.)	Carton Size (in.)			
FSSS-1A	10"	3/4"	6	9	4-1/2x4-1/2x14			
FSSS-2A	20"	3/4"	6	11	4-1/2x4-1/2x24			

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Harmsco[®] Extended Area Bag Housings

Harmsco[®] Bag Housings utilize patented technology combined with superior bag filtration.

- All Housings are 304 Stainless Steel For T-316, call for availability and quote
- All Internal Parts are Stainless Steel
- All Units Come Electro-polished and Passivated
- Housing Seal is Buna-N 1 Viton optional for higher temperatures
- **Drill-in-place Legs** V

1

Harmsco[®] Supplies Only Extended Area Replacement Bags* 1

Max flow rate (U.S. GPM)
Max flow rate (LPM)
Max. flow (M ³ HR)
Bag size
Pipe size
Filter height

Harmsco[®] Bag #1 Up to 90

Baskets available:

• Extended Area (Longer Life) • Standard #2 (Optional)

Up to 340 Up to 20 *G1PS Extended 1-1/2" or 2" FPT 32-1/2"

Harmsco[®] Bag #2 Up to 200 Up to 760 Up to 45 *G2PS Extended 1-1/2" or 2" FPT 42-3/4"

Note: Flow rates will vary depending on pipe size and load

Harmsco recommends operation at 60-70% of maximum flow rate for optimum performance. Pressure rated to 150 psi (10 bar) max. Standard Harmsco® housings rated for temperatures to 200°F (93°C); ratings based on pressure and time under load; ratings are for housing only - bag, o-ring and seal temperature specifications should also be considered. Actual flow rates are based on fluid, viscosity, bag type and other factors.

	H	IOUSINGS	
Model	Description	Model	Description
BCB-1-1.5-EXT	1-1/2" Inlet/Outlet - Extended Area	BCB-2-1.5-EXT	1-1/2" Inlet/Outlet - Extended Area
BCB-1-1.5-STD	1-1/2" Inlet/Outlet - Standard	BCB-2-1.5-STD	1-1/2" Inlet/Outlet - Standard
BCB-1-2-EXT	2" Inlet/Outlet - Extended Area	BCB-2-2-EXT	2" Inlet/Outlet - Extended Area
BCB-1-2-STD	2" Inlet/Outlet - Standard	BCB-2-2-STD	2" Inlet/Outlet - Standard

	#1 EXTENDED	BAGS		#2 EXTENDED E	BAGS
Product Code	Micron	No./Case	Product Code	Micron	No./Case
PO-1-G1PS-EA	1	25	PE-1-G2PS-EA	1	25
PE-1-G1PS-EA			PO-1-G2PS-EA		
PO-5-G1PS-EA	5	25	PE-5-G2PS-EA	5	25
PE-5-G1PS-EA			PO-5-G2PS-EA		
PO-10-G1PS-EA	10	25	PE-10-G2PS-EA	10	25
PE-10-G1PS-EA			PO-10-G2PS-EA		
PO-15-G1PS-EA	15	25	PE-15-G2PS-EA	15	25
PE-15-G1PS-EA			PO-15-G2PS-EA		
PO-25-G1PS-EA	25	25	PE-25-G2PS-EA	25	25
PE-25-G1PS-EA			PO-25-G2PS-EA		
PO-50-G1PS-EA	50	25	PE-50-G2PS-EA	50	25
PE-50-G1PS-EA			PO-50-G2PS-EA		
PO-100-G1PS-EA	100	25	PE-100-G2PS-EA	100	25
PE-100-G1PS-EA			PO-100-G2PS-EA		
PO-200-G1PS-EA	200	25	PE-200-G2PS-EA	200	25
PE-200-G1PS-EA			PO-200-G2PS-EA		



For pricing, please visit our website at www.harmsco.com





Max flow rate (U.S. GPM) Max rate (LPM) Max rate (M³HŔ) Pipe size (NPT) Drain (NPT) Filter height Floor space requirement Service height requirements Shipping weight Carton dimensions *Stainless steel standpipe for high temperature available.

Cartridges Listed Below

Harmsco® Hurricane® Filters with Single Hurricane® Cartridge

Combination cyclone separator and cartridge filter in a single compact design. Cartridge and filter sold separately.

Hurricane® filters are ideal for high solids and when a single "jumbo" cartridge is desired. Rated for temperatures to 140°F (60°C)* and pressures to 150 psi. Temperature ratings vary and depend on time under load. *Temperatures to 200°F (93°C) can be attained with optional SS Standpipe and Harmsco® high temperature cartridge installed (see Page 15).





14"x16"x38"



41"/105 cm 15" x 15" 72"/183 cm 64 lbs. / 29 kg 14"x16"x42"

Note: Harmsco recommends operation at 60-70% of maximum flow rate for optimum performance. All stainless steel housings are 304; 316 available upon request.

Harmsco[®] Hurricane[®] and WaterBetter[®] Replacement Cartridges

Made of pleated polyester filter media for long life and high dirt holding capacity; rated for temperatures to 140°F (60°C) packaged one per carton; cleanable and reusable in most applications. Shipping weights: Model 40 cartridges 4 lbs.; Model 90 cartridges 7 lbs.; Model 170 cartridges 10 lbs. Carton dimensions: HC-40 is 9"x9"x11"; HC-90 is 9"x9"x21"; HC-170 is 9"x9"x22". Hurricane® cartridges rated for pressures to 50 psid.



ANSI-NSI

Cartridges for Model HUR 40 HP Product Code Micron		Cartridges for Model Product Code	HUR 90 HP Micron	Cartridges for Model H Product Code	IUR 170 HP Micron
HC/40-0.35	0.35	HC/90-0.35	0.35	HC/170-0.35	0.35
HC/40-1	1	HC/90-1	1	HC/170-1	1
HC/40-5	5	HC/90-5	5	HC/170-5	5
HC/40-10	10	HC/90-10	10	HC/170-10	10
HC/40-20	20	HC/90-20	20	HC/170-20	20
HC/40-50	50	HC/90-50	50	HC/170-50	50
HC/40-100	100	HC/90-100	100	HC/170-100	100
HC/40-150	150	HC/90-150	150	HC/170-150	150
HC/40-EZ-CLEAN*	N.R.	HC/90-EZ-CLEAN*	N.R.	HC/170-EZ-CLEAN*	N.R.
				HC/170-PM**	N.R.

**Poly Mesh.

*100% Synthetic media to prefilter organic matter and particulate.

Note: High temperature cartridges available; see Page 15.

Activated Carbon Cartridges for Hurricane[®] and WaterBetter[®] Filter Housings

With outer wrap of pleated five micron polyester media to extend filter life.

Activated carbon cartridges for Hurricane® filter housings for taste, odor and chlorine removal. High carbon content for extended throughput. Outer wrap of pleated five micron Polyester-Plus™ filter media to protect the carbon by removing sediment and extend filter life. Not recommended in drinking water applications where water is not micro-biologically safe.

Product code	Carbon content (lbs.)**	Capacity (gals.)**	Chlorine reduction*
HC/40-AC-5	3 (min.)	33,000	90%-95% at 5 GPM
HC/90-AC-5	6.25 (min.)	66,000	90%-95% at 10 GPM
HC/170-AC-5	10 (min.)	100,000	90%-95% at 15 GPM
*Results may va	ary and are based on flow and	d other factors. **Approx.	



Hurricane® A/C cartridge

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Cartridges Listed Below

Harmsco® Hurricane® Swing Bolt Closures Built To ASME Design Standards

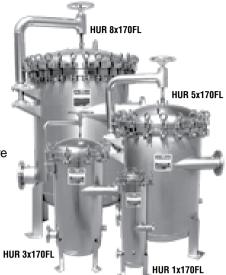
High performance Hurricane[®] cartridge filter housings deliver high flow, high performance filtration. with swing bolt closure.

Features

- Patented Upflow design
- Tangential entry
- Low carbon stainless steel housing
- "Swing bolt" closure system
- Four sizes for greater media surface area (170, 510, 850 and 1,360 sq. ft.)
- Extensive choice of micron ratings and media, including carbon block
- Combination cyclone separator and cartridge filter in single compact design

Specifications

- Built to ASME design standards
- Electro-polished finish
- O-ring housing seal, swing-bolt closure
- Standpipes stainless steel
- Inlet/Outlet flanged connections
- Pressure Up to 150 psi maximum
- Temperature Up to 140°F**



Model	Suggested Flow Rate* (GPM)	Max Flow Rate* (GPM)	Max Flow Rate* (LPM)	Max Flow Rate* (M³/HR)	Media (Sq.Ft.)	Pipe Size (I/O) (NPT)	Drain Size (NPT)	Filter Height	Floor Space/ Footprint	Service Height	Shipping Wt. Ibs.
HUR 1x170FL	105	150	568	34	170	2" flange	3/4"	47 1/2"	1.8 ft ²	77"	150
HUR 3x170FL	315	450	1,703	102	510	3" flange	1 1/2"	64"	3.7 ft ²	98 1/2"	420
HUR 5x170FL	525	750	2,839	170	850	4" flange	1 1/2"	75"	7.6 ft ²	98 1/2"	1,100
HUR 8x170FL	840	1200	4,542	272	1,360	6" flange	1 1/2"	80"	13 ft ²	98 1/2"	1,600

*Lower flow rates and pressures result in longer cartridge life. Designing to 70-80% of maximum flow will increase overall performance. **With high temperature cartridge as seen on Page 15.

Cartridges For Hurricane® Swing Bolt Closure Units

Made of pleated polyester filter media for long life and high dirt holding capacity; rated for temperatures to 140°F (60°C)* packaged one per carton; cleanable and reusable in most applications. Shipping weights: Model 40 cartridges 4 lbs.; Model 90 cartridges 7 lbs.; Model 170 cartridges 10 lbs. Carton dimensions: HC-40 is 9"x9"x11"; HC-90 is 9"x9"x21"; HC-170 is 9"x9"x32". Hurricane® cartridges rated for pressures to 50 psid.

The Above Housings

Cartridges for Hurricane Swing Bolt Closure Units

Product Code	Micron	Product Code	Micron
HC/170-0.35	0.35	HC/170-100	100
HC/170-1	1	HC/170-150	150
HC/170-5	5	HC/170-EZ-CLEAN**	N.R.
HC/170-10	10	HC/170-PM "POLY MESH"	N.R.
HC/170-20	20	HC/170-AC-5	5
HC/170-50	50	PP-HC-170-1 "POLY PLEAT"	1 Absolute

*High temperature cartridges available; see Page 15.

**100% Synthetic media to prefilter organic matter and particulate.

Activated Carbon Cartridges for Hurricane® and WaterBetter® Filter Housings

With outer wrap of pleated five micron polyester media to extend filter life.

Activated carbon cartridges for Hurricane® filter housings for taste, odor and chlorine removal. High carbon content for extended throughput. Outer wrap of pleated five micron Polyester-Plus™ filter media to protect the carbon by removing sediment and extend filter life. Not recommended in drinking water applications where water is not micro-biologically safe.

Product code	Carbon Content (lbs.)**	Capacity (gals.)**	Chlorine Reduction*
HC/170-AC-5	10 (min.)	100,000	90%-95% at 15 GPM
*R	esults may vary and are based	on flow and other facto	ors. **Approx.



Hurricane® A/C cartridge



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Cartridges Listed Below

Harmsco[®] WaterBetter[®] Single Cartridge Filter Housings

Simple, economical single cartridge filter housing delivering high flow, high performance filtration.

The following WaterBetter®, Filters require Harmsco® Hurricane® Cartridges:

- Electro-polished 304 stainless steel
- Rim Gaskets EPDM
- (Buna-N or Viton optional)
- Standpipes CPVC
- (316 stainless steel optional)Pressure 150 psi maximum
- Temperature Up to 200°F/93°C with optional stainless steel standpipe and Harmsco[®] high temperature cartridges installed (see Page 15)*
- · Inlet/Outlet 2" NPT or 1" NPT (SC-1 models)



ine reneting	Frato: Bott		i oquii o i i	annooo	mannound	ouraria	g00.		
Model	Flow Rate* (GPM)	Flow Rate** (LPM)	Flow Rate (M3/HR)	Media (sq. ft.)	Pipe Size (I/O) (NPT)	Drain Size (NPT)	Filter Height	Floor Space Footprint	Service Height
WB 40SC-2	Up to 50	Up to 189	Up to 12	40	2" ***	1"	21"/54cm	15"x15"	31"/79cm
*WB 40SC-2-SS	Up to 50	Up to 189	Up to 12	40	2" ***	1"	21"/54cm	15"x15"	31"/79cm

*WB 40SC-2-SS Up to	o 50 Up to 189	Up to 12	40	2" ***	1"	21"/54cm	15"x15"	31"/79cm	24 lbs./11kg
WB 90SC-2 Up to	o 100 Up to 378	Up to 24	90	2" ***	1"	31"/79cm	15"x15"	51"/130cm	31 lbs./14kg
*WB 90SC-2-SS Up to	o 100 Up to 378	Up to 24	90	2" ***	1"	31"/79cm	15"x15"	51"/130cm	31 lbs./14kg
WB 170SC-2 Up to	o 150 Up to 568	Up to 36	170	2" ***	1"	41"/105cm	15"x15"	72"/183cm	37 lbs./17kg
*WB 170SC-2-SS Up to	o 150 Up to 568	Up to 36	170	2" ***	1"	41"/105cm	15"x15"	72"/183cm	37 lbs./17kg

Lower flow rates and pressures result in longer cartridge life. Designing to 70-80% of maximum flow will increase overall performance. *Also available in a 1" I/O for whole house filtration. Note: All stainless steel housings are 304; 316 available upon request.

Harmsco® Hurricane® and WaterBetter® Replacement Cartridges

Made of pleated polyester filter media for long life and high dirt holding capacity; rated for temperatures to 140°F (60°C)* packaged one per carton; cleanable and reusable in most applications. Shipping weights: Model 40 cartridges 4 lbs.; Model 90 cartridges 7 lbs.; Model 170 cartridges 10 lbs. Carton dimensions: HC-40 is 9"x9"x11"; HC-90 is 9"x9"x21"; HC-170 is 9"x9"x32". Hurricane[®] cartridges rated for pressures to 50 psid.



Shipping

Weight 24 lbs./11kg

Cartridges for Model Product Code	HUR 40 HP Micron	Cartridges for Model Product Code	HUR 90 HP Micron	Cartridges for Model H Product Code	UR 170 HP Micron
HC/40-0.35	0.35	HC/90-0.35	0.35	HC/170-0.35	0.35
HC/40-1	1	HC/90-1	1	HC/170-1	1
HC/40-5	5	HC/90-5	5	HC/170-5	5
HC/40-10	10	HC/90-10	10	HC/170-10	10
HC/40-20	20	HC/90-20	20	HC/170-20	20
HC/40-50	50	HC/90-50	50	HC/170-50	50
HC/40-100	100	HC/90-100	100	HC/170-100	100
HC/40-150	150	HC/90-150	150	HC/170-150	150
HC/40-EZ-CLEAN*	N.R.	HC/90-EZ-CLEAN*	N.R.	HC/170-EZ-CLEAN**	N.R.
		-		HC/170-PM***	N.R.

*High temperature cartridges available; see Page 15.

**100% Synthetic media to prefilter organic matter and particulate.

***Poly Mesh.

For The Above H

Activated Carbon Cartridges for Hurricane® and WaterBetter® Filter Housings

With outer wrap of pleated five micron polyester media to extend filter life.

Activated carbon cartridges for Hurricane[®] filter housings for taste, odor and chlorine removal. High carbon content for extended throughput. Outer wrap of pleated five micron Polyester-Plus[™] filter media to protect the carbon by removing sediment and extend filter life. Not recommended in drinking water applications where water is not micro-biologically safe.

Product code	Carbon content (lbs.)**	Capacity (gals.)**	Chlorine reduction*
HC/40-AC-5	3 (min.)	33,000	90%-95% at 5 GPM
HC/90-AC-5	6.25 (min.)	66,000	90%-95% at 10 GPM
HC/170-AC-5	10 (min.)	100,000	90%-95% at 15 GPM



*Results may vary and are based on flow and other factors. **Approx.

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Harmsco[®] SureSafe[™] Cartridges

Featuring Silver Zeolite Technology

Cleanable and Reusable

- Features Two Nominal Micron Ratings*
 - 20 Micron
 - 50 Micron





Premium quality cartridges are made of pleated polyester with Silver Zeolite media for long life and high dirt-holding capacity.

Cartridges can be cleaned and reused in most applications and micron ratings. Individually shrink wrapped.

Code	Micron	No./Case	Ship Wt. (lbs.)	Carton Size
10" Calypso Blue™ S	SureSafe™ Cartr	idges (4-1/2" OD	x 9-3/4" L)	
HB-10-20W-AM	20	8	8	10" x 10" x 21"
HB-10-50W-AM	50	8	8	10" x 10" x 21"
20" Calypso Blue™ S	SureSafe™ Cartr	idges (4-1/2" OD	x 20" L)	
HB-20-20W-AM	20	4	6	10" x 10" x 21"
HB-20-50W-AM	50	4	6	10" x 10" x 21"
Harmsco [®] Hurricane [®]	and WaterBette	r [◎] SureSafe™ Ca	artridges	
HC/40-20-AM	20	1	4	9" x 9" x 11"
HC/40-50-AM	50	1	4	9" x 9" x 11"
HC/90-20-AM	20	1	7	9" x 9" x 21"
HC/90-50-AM	50	1	7	9" x 9" x 21"
HC/170-20-AM	20	1	10	9" x 9" x 32"
HC/170-50-AM	50	1	10	9" x 9" x 32"
Harmsco [®] Filter Sure	Safe™ Cartridge	es (2-3/4" OD x 9	-3/4"L)	
801-20-AM	20	24	11	12" x 17" x 11"
801-50-AM	50	24	11	12" x 17" x 11"

Harmsco[®] SureSafe[™] Cartridges utilize Silver Zeolite technology. Combining inert organic materials with silver into our filter media enables our cartridges to help reduce odor-causing bacteria and inhibit growth of destructive mold and mildew on the filter cartridge.

Harmsco[®] SureSafe[™] Media is interwoven with the latest in Silver Zeolite technology. Unlike competitive "treated media" products, Harmsco[®] SureSafe[™] cartridges will continue to provide safety and protection for your customers while outlasting the competition.

*Other micron ratings available - please contact your sales representative.

For more information on Silver Zeolite technology, visit www.harmsco.com

Harmsco® Calypso Blue[™] Cartridges To Fit 4-1/2" Diameter Filter Housings



Premium quality cartridges made of pleated polyester filter media for long life and high dirt holding capacity. Cartridges can be cleaned and reused in most applications and micron ratings. Available for both 10" and 20" Big-Blue[®] housings. Individually shrink wrapped.



Code 10" Calypso Blue™ (Micron Cartridges	No./Case (4-1/2" OD x 9-3/4"	Ship Wt. (lbs.) L)
HB-10-0.35W	0.35	8	8
HB-10-1W	1	8	8
HB-10-5W	5	8	8
HB-10-20W	20	8	8
HB-10-50W	50	8	8
HAC-BB-10-W	10	8	14
HB-10-EZ-CLEAN	50	8	7
20" Calypso Blue™	Cartridges	(4-1/2" OD x 20" L)	
HB-20-0.35W	0.35	4	6
HB-20-1W	1	4	6
HB-20-5W	5	4	6
HB-20-20W	20	4	6
HB-20-50W	50	4	6
HAC-BB-20-W	10	8	14
HB-20-EZ-CLEAN	50	8	7
Carton dimensions: 10"x2	0"x21" (for I	ooth 10" and 20")	



Single Filter Cartridge Housings and Drinking Water Systems



Single filter cartridge housings

A wide selection of high quality, single filter cartridge housings are available for low flow rates and when multi-cartridge filter housings are not required. Made of polypropylene for durability, strength and chemical compatibility. Rated for temperatures to 100°F (38°C) and pressures to 125 psi (8.5 bar). Slimline and Big-Blue housings available.

Drinking water systems

Counter top and under counter model for two housings are available. Rated for temperatures to 100°F (38°C) and pressures to 125 psi (8.5 bar). Individually boxed; installation instructions included.

For reference only; design may val	у.		D.,	Ne /	Chin	Cartan
Product Code	Туре	Pipe	Pr. Relief	No./ Case	Ship Wt. (Ibs.)	Carton Size (in.)
Polypropylene filter housings	s for one 9-3/4" cartrid	ae (2-3/4" OD).				
HSL-10-0.25-W	Slimline*	1/4"	No	12	25	19x15x13
HSL-10-0.375-W	Slimline	3/8"	No	12	25	19x15x13
HSL-10-0.75-WPR	Slimline	3/4"	Yes	12	25	19x15x13
HSL-10-0.75-WCP	Slimline	3/4"	Yes	12	32	19x15x13
HSL-10-0.75-222*	Slimline	3/4"	No	12	38	36x12x15
* Filter housing for 10" cartridge					00	CONTEXTO
Polypropylene filter housings	•	•				
HSL-20-0.75-WPR	Slimline	3/4"	Yes	6	35	18x13x25
Polypropylene filter housings	s for 4-1/2" OD filter ca	ortridaes				
HBB-10-1-WPR	10" Big-Blue*	1"	Yes	4	22	15x15x15
HBB-20-1-WPR	20" Big-Blue	1"	Yes	4	35	16x16x16
HBB-20-1.5-WPR	20" Big-Blue	1-1/2"	Yes	4	35	16x16x26
					55	10/10/20
Counter Top Filter (Complete HCT-100	Slimline	, stainiess steel tai 1/4"	No	structions.)	2	6x6x15
				in a local and a	Z	0.0.0.1.0
Under Counter Model (Two S	Slimline nousings w/bra	acket, installed in s 1/4"		Inciuaea.)	7	1027215
HUC-200	Similine	1/4	No	· ·		13x7x15
Brackets			Wrenches to rem	ove sumps from		
Part Number	Description		Part Number		Description	
HSL-10-S-BRKT	Bracket, single	9	HSL-WRENCH-10			20" Pentek Slim
HSL-10-D-BRKT	Bracket, dual		HSL-WRENCH-10	/20-VL		20" Valuline Slim
HSL-10-T-BRKT	Bracket, triple		HBB-WRENCH		Wrench for E	-
HSL-20-S-BRKT	Bracket, 20" s	limline	HBB-WRENCH-10		Wrench 10"	BB Housing ²
	,					
HBB-BRKT	Bracket, 10" &		HBB-WRENCH-20			BB Housing ²
	Bracket, 10" &	a 20" B-B	HBB-WRENCH-20		Wrench 20" g; ² Single O-Ring	BB Housing ²
HBB-BRKT * Slimline and Big Blue are register	Bracket, 10" & ed trademarks of Ametek C	a 20" B-B Corp.		¹ Double O-Rin		BB Housing ²
HBB-BRKT * Slimline and Big Blue are register Harmsco [®] Filter (Bracket, 10" & ed trademarks of Ametek C Cartridges Fo	a 20" B-B Forp. r Competit	ive Filter H	¹ Double O-Rin	g; ² Single O-Ring	
HBB-BRKT * Slimline and Big Blue are register Harmsco [®] Filter (Micron Product Code	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color	a 20" B-B iorp. r Competit No./Case	ive Filter H Ship W	¹ Double O-Rin OUSINGS t. (Ibs.) Shi		BB Housing ² Carton Size (in.)
HBB-BRKT * Slimline and Big Blue are register Harmsco [®] Filter (Micron Product Code Harmsco [®] 10" (254 mm) carter	Bracket, 10" & ed trademarks of Ametek C Cap Color didges. (For competition	a 20" B-B forp. T Competiti No./Case ve filter housings r	ive Filter H Ship W equiring 10" cartric	¹ Double O-Rin OUSINGS t. (Ibs.) Shi	g; ² Single O-Ring p Wt. (kg.)	Carton Size (in.)
HBB-BRKT * Slimline and Big Blue are register Harmsco [®] Filter (Micron Product Code Harmsco [®] 10" (254 mm) cartr 0.35 801-0.35/10 1 801-1/10	Bracket, 10" & ed trademarks of Armetek C Cartridges Fo cap Color tidges. (For competition Brown Tan	a 20" B-B Forp. T Competitive No./Case ve filter housings r 24 24	ive Filter H Ship W equiring 10" cartric 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi	g; ² Single O-Ring p Wt. (kg.) 5	Carton Size (in.) 12x17x11 12x17x11
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 801-0.35/10 1 801-5/10	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color Fidges. (For competition Brown Tan White	a 20" B-B forp. r Competit No./Case ve filter housings r 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi	g; ² Single O-Ring p Wt. (kg.) 5	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Micron Product Code Harmsco® 10" (254 mm) carter 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color didges. (For competition Tan White Blue	a 20" B-B Forp. T Competitive No./Case ve filter housings r 24 24	ive Filter H Ship W equiring 10" cartric 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter Micron Product Code Harmsco® 10" (254 mm) carter 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-50/10	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color tidges. (For competition Tan White Blue Yellow	a 20" B-B forp. r Competit No./Case ve filter housings r 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi <i>Iges.)</i>	g; ² Single O-Ring p Wt. (kg.) 5	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Micron Product Code Harmsco® 10" (254 mm) carter 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color tidges. (For competition Tan White Blue Yellow	a 20" B-B forp. r Competit No./Case ve filter housings r 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 5 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter Micron Product Code Harmsco® 10" (254 mm) carti 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-50/10 50 801-50/10 50 801-0.35/20 1 801-1/20	Bracket, 10" & ed trademarks of Armetek C Cap Color Cap Color Cap Color Tan White Blue Yellow Tidges. (For competitiv Brown Tan White Blue Yellow	a 20" B-B forp. T Competitive No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi ages.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter Micron Product Code Harmsco® 10" (254 mm) carte 0.35 801-0.35/10 1 801-5/10 20 801-50/10 50 801-50/10 Harmsco® 20" (508 mm) carte 0.35 801-0.35/20 1 801-1/20 5 801-5/20	Bracket, 10" & ed trademarks of Armetek C Cartridges Fo Cap Color Fidges. (For competition Tan White Blue Yellow Fidges. (For competition Brown	a 20" B-B Forp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi <i>dges.)</i> idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 5 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter Micron Product Code Harmsco® 10" (254 mm) carti 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-50/10 50 801-50/10 50 801-0.35/20 1 801-1/20	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color For competitiv Brown Tan White Blue Yellow Fidges. (For competitiv Brown Tan White	A 20" B-B borp. T Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 5 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Commonstructure) Micron Product Code Harmsco® 10" (254 mm) carter 0.35 801-0.35/10 1 801-5/10 20 801-50/10 Harmsco® 20" (508 mm) carter 0.35 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-1/20 50 801-50/20 20 801-50/20 40 801-50/20 40 801-50/20	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo Cap Color Fidges. (For competition Tan White Blue Yellow Fidges. (For competition Tan White Blue Yellow Cap Color Tan White Blue Yellow Cap Color Tan White Blue Yellow	A 20" B-B borp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartrid 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 5 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) carts 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-0.35/20 Harmsco® 20" (508 mm) carts 0.35 801-0.35/20 1 801-1/20 5 801-5/20 20 801-5/20 50 801-5/20 40 801-20/20 50 801-50/20 Harmsco® 30" (762 mm) carts 0.35 801-0.35/30	Bracket, 10" & ed trademarks of Armetek C Cap Color Cap Color Tan White Blue Yellow Tan White Blue Yellow Tan White Blue Yellow Tan White Blue Yellow Tan White Blue Yellow	a 20" B-B Forp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi Iges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 13	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 801-0.35/10 1 801-5/10 20 801-50/10 50 801-0.35/10 Harmsco® 20" (508 mm) cartr 0.35 801-0.35/20 1 801-1/20 50 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/20 1 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-1/30	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo Cap Color Fidges. (For competition Tan White Blue Yellow Fidges. (For competition Tan White Blue Yellow Cap Color Tan White Blue Yellow Cap Color Tan White Blue Yellow	a 20" B-B borp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 ng 20" length cartr 19 19 19 19 19 19 19 19 19 19 19 28 28 28 28	¹ Double O-Rin OUSINGS (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 5 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) carts 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-10/10 50 801-5/10 4 801-10/10 50 801-5/20 20 801-1/20 5 801-1/20 5 801-5/20 20 801-5/20 20 801-5/20 20 801-5/20 20 801-5/20 20 801-5/20 20 801-5/20 20 801-5/20 20 801-5/30 1 801-1/30 5 801-5/30 20 801-20/30	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo cap Color Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow	a 20" B-B Forp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS (Ibs.) Shi Iges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Code Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 801-0.35/10 1 801-5/10 20 801-50/10 50 801-0.35/10 Harmsco® 20" (508 mm) cartr 0.35 801-0.35/20 1 801-1/20 50 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-1/30 5 801-20/20 50 801-5/30 20 801-20/20	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo Cap Color Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Blue Yellow Fidges. (For competitive Blue Yellow	a 20" B-B borp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 ng 20" length cartr 19 19 19 19 19 19 19 19 19 28 28 28 28 28 28	¹ Double O-Rin OUSINGS (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Code Micron Product Code Harmsco® 10" (254 mm) carts 0.35 801-0.35/10 1 801-1/10 5 801-20/10 50 801-20/10 50 801-1/20 5 801-20/10 50 801-20/10 50 801-20/20 1 801-1/20 5 801-20/20 50 801-20/20 Harmsco® 30" (762 mm) carts 0.35 801-0.35/30 1 801-1/30 5 801-20/20 60 801-50/20 Harmsco® 30" (762 mm) carts 0.35 801-0.35/30 1 801-1/30 5 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-50/30 40" (1016 mm) cart	Bracket, 10" & ed trademarks of Armetek C Cap Color Cap Color Tan White Blue Yellow tidges. (For competitiv Brown Tan White Blue Yellow tidges. (For competitiv Brown Tan White Blue Yellow tidges. (For competitiv Brown Tan White Blue Yellow	a 20" B-B Forp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 ng 20" length cartr 19 19 19 19 19 19 19 19 19 28 28 28 28 28 28	¹ Double O-Rin OUSINGS (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x31
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 801-0.35/10 1 801-5/10 20 801-50/10 Harmsco® 20" (508 mm) cartr 0.35 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-1/30 5 801-0.35/30 1 801-1/30 50 801-20/20 50 801-0.35/30 1 801-5/30 20 801-20/30 5 801-0.35/40 1 801-0.35/40	Bracket, 10" & ed trademarks of Ametek C Cap Color Cap Color Fidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow	A 20" B-B Forp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartrid 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (lbs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Marmsco® 10" (254 mm) carter 0.35 0.35 801-0.35/10 1 801-1/10 5 801-20/10 50 801-20/10 50 801-0.35/20 Harmsco® 20" (508 mm) carter 0.35 801-0.35/20 1 801-1/20 5 801-20/20 50 801-50/20 Harmsco® 30" (762 mm) carter 0.35 801-0.35/30 1 801-1/30 5 801-50/20 Harmsco® 30" (762 mm) carter 0.35 801-0.35/30 1 801-50/30 20 801-50/30 20 801-50/30 Harmsco® 40" (1016 mm) cart 0.35 801-0.35/40 1 801-1/40	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow Fidges. (For competition Brown Tan White Blue Yellow	A 20" B-B Forp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS (Ibs.) Shi dges.) idges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x41 12x17x41
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 801-0.35/10 1 801-5/10 20 801-50/10 Harmsco® 20" (508 mm) cartr 0.35 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-1/20 50 801-0.35/20 1 801-50/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-1/30 5 801-0.35/30 1 801-1/30 50 801-20/20 50 801-0.35/30 1 801-5/30 20 801-20/30 5 801-0.35/40 1 801-0.35/40	Bracket, 10" & ed trademarks of Ametek C Cap Color Cap Color Fidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow Cidges. (For competitive Brown Tan White Blue Yellow	A 20" B-B Forp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartrid 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x41
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) carti 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-50/10 Harmsco® 20" (508 mm) carti 0.35 801-0.35/20 1 801-1/20 5 801-5/20 20 801-5/20 20 801-5/20 5 801-0.35/20 1 801-1/20 5 801-5/20 20 801-20/20 50 801-5/20 20 801-20/20 50 801-5/20 40 801-1/30 5 801-5/30 20 801-20/30 50 801-5/30 20 801-20/30 50 801-0.35/40 1 801-1.30 5 801-0.35/40 1 801-1.40 5	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow For competitive Brown Tan White Blue Yellow For competitive Brown Tan White Blue Yellow	A 20" B-B borp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x41 12x17x41 12x17x41
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HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) carter 0.35 0.35 801-0.35/10 1 801-1/10 5 801-20/10 50 801-20/10 50 801-0.35/20 Harmsco® 20" (508 mm) carter 0.35 801-0.35/20 Harmsco® 30" (762 mm) carter 0.35 801-0.35/20 Harmsco® 30" (762 mm) carter 0.35 801-0.35/30 1 801-1/20 50 801-50/20 Harmsco® 40" (1016 mm) carter 0.35 801-0.35/40 1 801-1/40 50 801-50/30 20 801-50/30 20 801-50/30 Harmsco® 40" (1016 mm) carter 0.35 801-0.35/40 1 801-1/40 50 801-50/40 Harmsco® Spring End Caps (Call for details 801-Spring	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color For competitive Blue Yellow Fidges. (For competitive Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Blue Yellow Fidges. (For competitive Fidges. (For competit	A 20" B-B borp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (Micron Product Code Harmsco® 10" (254 mm) cartr 0.35 0.35 801-0.35/10 1 801-1/10 5 801-5/10 20 801-20/10 50 801-5/20 1 801-1/20 50 801-5/20 20 801-5/20 20 801-5/20 20 801-20/20 50 801-5/20 Harmsco® 30" (762 mm) cartr 0.35 801-0.35/30 1 801-1/30 5 801-5/30 20 801-5/30 20 801-5/30 20 801-20/30 5 801-0.35/40 1 801-1/40 5 801-0.35/40 1 801-1/40 5 801-50/40 Harmsco® Spring End Caps (Call for details 801-50/40 Harmsco® Special Application	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competite Brown Tan White Blue Yellow Fidges. (For competite Brown Tan White Blue Yellow	A 20" B-B borp. r Competiti No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartrid 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x12 12x17x1
HBB-BRKT * Slimline and Big Blue are register Harmsco® Filter (C Micron Product Code Harmsco® 10" (254 mm) carte 0.35 0.35 801-0.35/10 1 801-1/10 5 801-20/10 50 801-20/10 50 801-0.35/20 Harmsco® 20" (508 mm) carte 0.35 801-0.35/20 Harmsco® 30" (762 mm) carte 0.35 801-0.35/30 1 801-1/20 5 801-5/20 20 801-20/20 50 801-20/20 50 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/30 20 801-5/40 20 801-5/40 20 801-5/40 20 801-5/40 20 801-5/40	Bracket, 10" & ed trademarks of Ametek C Cartridges Fo e Cap Color For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Fidges. (For competitive Brown Tan White Blue Yellow Cartridges (For competitive Brown Tan White Blue Yellow Cartridges	A 20" B-B borp. T Competition No./Case ve filter housings r 24 24 24 24 24 24 24 24 24 24	ive Filter H Ship W equiring 10" cartric 11 11 11 11 11 11 11 11 11 11 11 11 11	¹ Double O-Rin OUSINGS t. (Ibs.) Shi dges.) idges.) ridges.)	g; ² Single O-Ring p Wt. (kg.) 5 5 5 5 5 9 9 9 9 9 9 9 9 9 9 9 9 9	Carton Size (in.) 12x17x11 12x17x11 12x17x11 12x17x11 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x21 12x17x31 12x17x31 12x17x31 12x17x31 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41 12x17x41

For pricing, please visit our website at www.harmsco.com



New! Cellulose-free Cartridges

Harmsco[®] now offers **cellulose-free filter cartridges** constructed with newly developed **synthetic composite media**. The media's patented gradient density and low resistance provide for extended filter life while maintaining high efficiency. They contain no binders or cellulose and have been developed specifically for **drinking and bottled water applications**. They are currently offered in **1**, **5** and **20** micron nominal ratings in our **801**, **Calypso Blue**[™] and **Hurricane[®]** cartridges.

Code	Micron	Color	Media (ft. ²)	No./Case	Ship Wt. (Ibs.)	Carton Size (in.)
10" 801 Cartridge	s (2-3/4" OD 2	x 9-3/4" L) Indivi	dually Wrapped			
801-1W-HF	1	Tan	4.25	24	11	12 x 17 x 11
801-5W-HF	5	White	4.25	24	11	12 x 17 x 11
801-20W-HF	20	Blue	4.25	24	11	12 x 17 x 11
10" Calypso Blue	Cartridges	(4-1/2" OD x 9-3	/4" L) Individually	Wrapped		
HB-10-1W-HF	1	Blue	9	8	8	10 x 10 x 21
HB-10-5W-HF	5	Blue	9	8	8	10 x 10 x 21
HB-10-20W-HF	20	Blue	9	8	8	10 x 10 x 21
20" Calypso Blue	Cartridges	(4-1/2" OD x 19-	1/2" L) Individuall	y Wrapped		
HB-20-1W-HF	1	Blue	18.5	4	6	10 x 10 x 21
HB-20-5W-HF	5	Blue	18.5	4	6	10 x 10 x 21
HB-20-20W-HF	20	Blue	18.5	4	6	10 x 10 x 21
Hurricane® 40 Car	tridges (7-3/4	" OD x 9-5/8" L)	Individually Wrap	oped		
HC/40-1W-HF	1	Blue	28.5	1	4	9 x 9 x 11
HC/40-5W-HF	5	Blue	28.5	1	4	9 x 9 x 11
HC/40-20W-HF	20	Blue	28.5	1	4	9 x 9 x 11
Hurricane® 90 Car	tridges (7-3/4	" OD x 19-1/2" L	.) Individually Wra	apped		
HC/90-1W-HF	1	Blue	60	1	7	9 x 9 x 21
HC/90-5W-HF	5	Blue	60	1	7	9 x 9 x 21
HC/90-20W-HF	20	Blue	60	1	7	9 x 9 x 21
Hurricane® 170 Ca	rtridges (7-3/	4" OD x 30-3/4"	L) Individually W	rapped		
HC/170-1W-HF	1	Blue	115	1	10	9 x 9 x 32
HC/170-5W-HF	5	Blue	115	1	10	9 x 9 x 32
HC/170-20W-HF	20	Blue	115	1	10	9 x 9 x 32



Filtration Systems by Harmsco® Using Hurricane Filters

Skid mounted filtration systems are available to reduce labor and installation costs. All systems include steel skids assembled with shut-off valves, check valves and pressure gauges. Controls for pumps are included when pump systems are ordered. Please see our Systems Brochure for full details.

OPTIONS:

- NEMA enclosure for pump systems in outdoor installations
- Filter service beacon
- Automatic purge valve for high solids application
- Crating for export

Shut-off and check valves installed to allow each individual filter to be isolated for servicing on all parallel systems. Filter Service Beacons and Automatic Purge Valves (if ordered) are tied in with all filters in parallel installations and with first filter only in series installations. Nema 12 enclosure with 10V control standard for indoor installation. 110 vac/15 amp plug for beacon included if pump is not ordered.

STANDARD M Model No.	ODELS			Model No.	Number of	
With	Pump	Rated Flo	ow (approx.)	Without	HUR170-HP	Inlet/
Pump	Size	GPM	LPM	Pump	Filters	Outlet
Parallel Install	lation Filters					
PFS-1-P	5 HP	100	378	PFS-1	1	2" NPT
PFS-2-P	7.5 HP	200	757	PFS-2	2	3" FLG
PFS-3-P	15 HP	300	1,135	PFS-3	3	4" FLG
PFS-4-P	20 HP	400	1,514	PFS-4	4	4" FLG





Harmsco[®] Spare Parts

sales@pureaqua.com +1(714) 432-9996 +1 (844) 309-7501



Description	Part Number	Size / Use	Material	Filter Model
O-Rings	551 D	2 1/9" for standning	Dune N	
O-Ring	551-B	2-1/8" for standpipe	Buna-N EPDM	HIF 7, 14, 21
O-Ring	551-E	2-1/8" for standpipe 2-1/8" for standpipe		HIF 7, 14, 21 HIF 7, 14, 21
O-Ring	551-V		Viton	
O-Ring	930-B	2-3/4" for standpipe	Buna-N EPDM	HIF 16, 24
O-Ring	930-E	2-3/4" for standpipe	Viton	HIF 16, 24
O-Ring	930-V	2-3/4" for standpipe 1-5/16" for holding rods	Buna-N	HIF 16, 24 HIF 7, 14, 16, 21, 24 models
O-Ring	552-B 552-E		EPDM	HIF 7, 14, 16, 21, 24 models HIF 7, 14, 16, 21, 24 models
O-Ring O-Ring	552-E 552-V	1-5/16" for holding rods 1-5/16" for holding rods	Viton	HIF 7, 14, 16, 21, 24 models HIF 7, 14, 16, 21, 24 models
O-Ring	1625-B	8" ID x 7/16" THK	Buna-N	BC4
O-Ring	1625-V	8" ID x 7/16" THK	Viton	BC4
•	1625-V 1626-B	10" ID x 7/16" THK	Buna-N	BC4 BC6
O-Ring O-Ring	1626-V	10" ID x 7/16" THK 10" ID x 7/16" THK	Viton	BC6
O-Ring	361-E	.275 CS x 11.75	EPDM	HUR 1x170FL
O-Ring	363-E	.375 CS x 11.73	EPDM	HUR 3x170FL
O-Ring	365-E	.375 CS x 30.38	EPDM	HUR 5x170FL
O-Ring	368-E	.375 CS x 30.38	EPDM	HUR 8x170FL
0	300-E	.375 C3 x 30.36		HUR OXITUFL
Rim Gaskets Rim Gasket	550-E	Cluster, Hurricane	EPDM	HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC
Rim Gasket	550-E	Cluster, Hurricane	Buna-N	HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC
Rim Gasket	550-V	Cluster, Hurricane	Viton	HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC
	550-7	Cluster, Humcane	VIION	HIF 7, 14, 16, 21, 24, HUR 40, 90, 170, WB40SC, 90SC, 170SC
Top Seals Top Seal	635-E	16" top seal	EPDM	HIF 28 and HIF 42
Top Seal	635-B	16" top seal	Buna-N	HIF 28 and HIF 42
Top Seal	671-E	18" top seal	EPDM	HIF 26 and HIF 42 HIF 75 and HIF 100
Top Seal	671-E 671-B	18 top seal 18" top seal	EPDM Buna-N	HIF 75 and HIF 100 HIF 75 and HIF 100
Top Seal	671-Б 653-Е	24" top seal	EPDM	HIF 150FL and HIF 200FL
Top Seal	653-B	24" top seal	Buna-N	HIF 150FL and HIF 200FL
		•		
Top Seal	654-E	24" top seal	EPDM	HIF 5x170FL
Bottom Seals Bottom Seal	639-N	Nat. gum rubber seal	NGR	HIF 28 through HIF 200FL
Bottom Seal		EPDM bottom seal	EPDM	
	639-E			HIF 28 through HIF 200FL
Bottom Seal	639-B	Buna-N bottom seal	Buna-N	HIF 28 through HIF 200FL
Bottom Seal	640-N	Nat. gum rubber seal	NGR	HIF 5x170FL
Bottom Seal	640-E	EPDM bottom seal	EPDM	HIF 5x170FL
Top Plates	54000 000		0	
Top Plate	519SS-222	Top plate - cluster	Stainless	HIF 7-SS-222
Top Plate	519SS	Top plate - cluster	Stainless	HIF 7, 14 and HIF 21
Top Plate	901SS	Top plate - cluster	Stainless	HIF 16 and HIF 24
Top Plate	309SS	Top plate - Hurricane	Stainless	HUR 40 HP, 90 HP, 170 HP, WB40SC-1, WB90SC-1, WB170SC
Top Plate	633SS	Top plate	Stainless	HIF 42, HIF 28
Top Plate	670SS	Top plate	Stainless	HIF 75, 100
Top Plate	650SS	Top plate	Stainless	HIF 5x170FL
Top Plate	651SS	Top plate	Stainless	HIF 150FL, 200FL
Top Plate	903SS	Top plate	Stainless	WB40SC-2, WB90SC-2, WB170SC-2
Top Plate	1645	8" Top plate assy	Stainless/Plastic	BC4
Top Plate	1665	10" Top plate assy	Stainless/Plastic	BC6
Bottom Discs				
Bottom Disc	628SS	16" Bottom disc	Stainless	HIF 28, 42
Bottom Disc	631SS	24" Bottom disc	Stainless	HIF 150FL, HIF 200FL
Bottom Disc	664SS	18" Bottom disc	Stainless	HIF 75, HIF 100
Bottom Disc	659SS	24" Bottom disc	Stainless	HIF 5x170FL
Sub Base Assemb				
Sub Base Assy	637SS	16" Sub base assy	Stainless	HIF 28, 42
Sub Base Assy	638SS	24" Sub base assy	Stainless	HIF 150FL, HIF 200FL
Sub Base Assy	677SS	18" Sub base assy	Stainless	HIF 75, HIF 100
Sub Base Assy	642SS	24" Sub base assy	Stainless	HIF 5x170FL
Lids			.	
Lid	530-A	Lid for 12 studs	Stainless	HIF 7, 14, 16, 21 and 24
Lid	611-A	Lid for 16 studs	Stainless	HIF 42, HIF 28, HIF 56
Lid	669-A	Lid for 20 studs	Stainless	HIF 75 and HIF 100
Lid	613-A	Lid for 40 studs	Stainless	HIF 150FL, HIF 200FL and HIF 5x170FL
Lid	530-AC	Lid, 12 studs w/vent	Stainless	HUR 40 HP, HUR 90 HP, HUR 170 HP, WB40SC, WB90SC, WB170S
Lid	1600-C	8" Inverted dome w/vent	Stainless	BCB Housings
Lid	1601-C	8" Medium dome w/vent	Stainless	BC4 Housings
Lid	1602-C	10" Medium dome w/vent	Stainless	BC6 Housings
Lid vent	Vent up-charge	For air release	1/4" FPT	Up-charge for any 11" diameter lid
Lid vent	Vent up-charge	For air release	1/4" FPT	Up-charge for 16" dia. lids and larger
Tanks	HIF 7TANK	Tank, standpipe, o-ring	Stain/CPVC	HIF 7
Tanks Tank Tank	HIF 7TANK HIF 14TANK	Tank, standpipe, o-ring Tank, standpipe, o-ring	Stain/CPVC Stain/CPVC	HIF 7 HIF 14



Harmsco[®] Spare Parts. Visit www.harmsco.com for photos and to place your order.

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Description	Part Number	Size / Use	Material	Filter Model
Tanks (cont'd)				
Tank	HIF 21TANK	Tank, standpipe, o-ring	Stain/CPVC	HIF 21
Tank	HIF 24TANK	Tank, standpipe, 0-ring	Stain/CPVC	HIF 24
Tank	HIF 24TANK	Tank, standpipe, 0-ring	Stain/CPVC	HIF 24
Tank	HIF 42TANK	Tank, standpipe	Stain/CPVC	HIF 42
Tank	HIF 75TANK	Tank, standpipe	Stain/CPVC	HIF 75
Tank	HIF 100TANK	Tank, standpipe	Stain/CPVC	HIF 100
Tank	HIF 150FLTANK	Tank, standpipe	Stain/CPVC	HIF 150FL
Tank	HIF 200FLTANK	Tank, standpipe	Stain/CPVC	HIF 200FL
Tank	HUR 40 HPTANK	Tanks & standpipe	Stain/CPVC	HUR 40 HP (inner and outer tanks)
Tank	HUR 90 HPTANK	Tanks & standpipe	Stain/CPVC	HUR 90 HP (inner and outer tanks)
Tank	HUR 170 HPTANK	Tanks & standpipe	Stain/CPVC	HUR 170 HP (inner and outer tanks)
Standpipes				
Standpipe	560-C	Standpipe, 1-1/2"	CPVC	HIF 7
Standpipe	531-C	Standpipe, 1-1/2"	CPVC	HIF 14
Standpipe	965-C	Standpipe, 2"	CPVC	HIF 16
Standpipe	532-C	Standpipe, 2 Standpipe, 1-1/2"	CPVC	HIF 21
			CPVC	
Standpipe	1445-C	Standpipe, 2"		HIF 24
Standpipe	630-C	Standpipe, 2"	CPVC	HIF 42
Standpipe	672-C	Standpipe, 3"	CPVC	HIF 75
Standpipe	673-C	Standpipe, 3"	CPVC	HIF 100
Standpipe	646-C	Standpipe, 4	CPVC	HIF 150FL
Standpipe	647-C	Standpipe, 4"	CPVC	HIF 200FL
Standpipe	316-C	Standpipe, 2"	CPVC	HUR 40 HP
Standpipe	317-C	Standpipe, 2"	CPVC	HUR 90 HP
Standpipe	315-C	Standpipe, 2"	CPVC	HUR 170 HP
Standpipe	562-C	Standpipe, 2"	CPVC	WB40SC-2
Standpipe	563-C	Standpipe, 2"	CPVC	WB90SC-2
Standpipe	564-C	Standpipe, 2"	CPVC	WB170SC-2
Standpipe	562-C-1	Standpipe, 1"	CPVC	WB40SC-1
Standpipe	563-C-1	Standpipe, 1"	CPVC	WB 90SC-1
Standpipe	564-C-1	Standpipe, 1"	CPVC	WB 170SC-1
Standpipe	645-C	Standpipe, 4"	CPVC	HIF 5x170FL
Standpipe	560-SS	Standpipe, 1-1/2"	Stainless	HIF 7SS, HIF 7SS-222
Standpipe	531-SS	Standpipe, 1-1/2"	Stainless	HIF 14SS
Standpipe	965-SS	Standpipe, 2"	Stainless	HIF 16SS
Standpipe	532-SS	Standpipe, 1-1/2"	Stainless	HIF 21SS
Standpipe	1445-SS	Standpipe, 2"	Stainless	HIF 24SS
Standpipe	316-SS	Standpipe	Stainless	HUR 40 HP
Standpipe	317-SS	Standpipe	Stainless	HUR 90 HP
Standpipe	315-SS	Standpipe	Stainless	HUR 170 HP
Standpipe	562-SS	Standpipe	Stainless	WB40SC-2-SS
Standpipe	563-SS	Standpipe	Stainless	WB90SC-2-SS
Standpipe	564-SS	Standpipe	Stainless	WB170SC-2-SS
Nuts, Washers, Re	tainers			
Nut	202-B	1/2" wing nut	Brass	For all filters
Nut	202-BT	1/2" wing nut-Tall	Brass	HIF 150FL, HIF 200FL and HIF 5x170FL
Nut	202-H	1/2" hex nuts	Brass	All units use nuts specified
Washer	202	1/2" washer	Stainless	All units if hex nuts are used
Retainer nut insert	312	To secure cartridges	PVC	HUR 40 HP, HUR 90 HP, HUR 170 HP, WB 40, WB 90, WB 170
Retainer nut	905-P	To secure cartridges	PVC	HUR 40 HP, HUR 90 HP, HUR 170 HP, WB 40, WB 90, WB 170
Retainer nut	905-HT	To secure cartridges	ABS	HUR 40 HPSS, HUR 90 HPSS, HUR 170 HPSS
Retainer Ring	904	To secure cartridges	PVC	HIF 5x170FL
Retainer Npl	908	To secure cartridges	CPVC	HIF 5x170FL
Inner can isolator	329	To support inner can	CPVC	HUR 40 HP, HUR 90 HP, HUR 170 HP, WB 40, WB 90, WB 170
Screw	330	To install isolator	Stainless	HUR 40 HP, HUR 90 HP, HUR 170 HP, WB 40, WB 90, WB 170
Bushing	1654-P	Bushing for top plate assy	Polypropylene	BC4, BC6
Bushing	1654-SS	Bushing for top plate assy	Stainless	BC4, BC6
Snap Ring	1633	Retainer for top plate assy	Stainless	BC4, BC6
	1000			201,200
Holding Rods				
Holding rod	555-C	To install cartridges	CPVC	
Holding rod	512-C	To install cartridges	CPVC	HIF 14, HIF 16
Holding rod	534-C	To install cartridges	CPVC	HIF 21, HIF 24
Holding rod	555-SS	To install cartridges	Stainless	HIF 7SS
Holding rod	512-SS	To install cartridges	Stainless	HIF 14SS, HIF 16SS
Holding rod	534-SS	To install cartridges	Stainless	HIF 21SS, HIF 24SS
Lifters & Rods				
Lifter	621-C	To install cartridges	CPVC	HIF 28
Lifter	622-C	To install cartridges	CPVC	HIF 42, HIF 75 and HIF 150FL
Lifter	623-C	To install cartridges	CPVC	HIF 56, HIF 100 and HIF 200FL
Lifter	621-SS	To install cartridges	Stainless	HIF 28
Lifter	622-SS	To install cartridges	Stainless	HIF 42, HIF 75 and HIF 150FL
Lifter	623-SS	To install cartridges	Stainless	HIF 56, HIF 100 and HIF 200FL
Lifter	1648	To install cartridges (single)	Stainless	BC4-1, BC6-1
Lifter	1649	To install cartridges (double)	Stainless	BC4-2, BC6-2

For pricing, please visit our website at www.harmsco.com



Description	Part Number	Size / Use	Material	Filter Model
Lifters & Rods (cont'd) Lifter Centering rod	1650 625-P	To install cartridges (triple) Centering rod	Stainless PVC	BC4-3, BC6-3 HIF 28 through HIF 200FL
Pipe caps Pipe cap Pipe cap	513-C 513-SS	To secure cartridges To secure cartridges	CPVC Stainless	HIF 7, 14, 16, 21 HIF 7, 14, 16, 21
Miscellaneous Basket Basket Basket 1/4" Cartridge spacer Cartridge coupler Clamp Band Clamp Band Clamp Band Flange (each) Knife edge gasket Knob Leg extension (3) Plug Plug T-Bolt T-Handle	1738-E-316 1738-S-316 1737-E-316 1737-S-316 801-GSKT 801-CPLG 1615 1616 327 509 1635-P 1635-SS 525-A 362-L 362-S 1615TB 1615TH	Size 1 basket for extended housings Size 1 basket for standard housings Size 2 basket for extended housings Size 2 basket for standard housings To add length Joins two cartridges 8" w/4" T-bolt 10" w/4" T-bolt For 2" inlet, outlet To seal cartridges Knob for top plate Knob for top plate To extend legs Plug, long handle Plug, short handle T-bolt for clampband T-handle assy for clampband	Stainless Stainless Stainless EPDM Plastic Stainless Stainless Stainless PVC Phenolic Stainless Aluminum Stainless Stainless Stainless Stainless	BCB-1-1.5-EXT, BCB-1-2-EXT BCB-1-1.5-STD, BCB-1-2-STD BCB-2-1.5-EXT, BCB-2-2-EXT BCB-2-1.5-STD, BCB-2-2-EXT When needed All cartridges with 1-1/16" ID BCB, BC4 BC6 HUR 40 HP, HUR 90 HP, HUR 170 HP HIF 7, 14, 16, 21, 24 if required (KE units only) BC4, BC6 BC4, BC6 HIF 56 through HIF 200FL (set of three) HUR 3x170FL, HUR 5x170FL, HUR 8x170FL HUR 1x170FL BCB, BC4, BC6 BC4, BC6 BC4, BC6

Standby Clusters for Quick and Easy Access to Cartridge Cluster (For HIF 7 through HIF 24 filters.)

Part Number

HIF 7CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.) HIF 14CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.) HIF 16CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.) HIF 21CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.) HIF 24CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.) HIF 24CO (specify choice of cartridge*. All poly, polypleat and carbon; call for additional cost.)

* Not included in price.

Fusion Bonded Epoxy Coating for Chemical Resistance

Available for all HIF, Hurricane® and WaterBetter® filters on pages 8, 14, 17 and 19. Please call for price.

Note: Fusion bonded epoxy coating material is NSF Std. 61 certified. Allow additional 2-3 weeks lead time for special coating.

Let us quote your Private Label Cartridge and Custom Product needs. PLEASE CALL FOR YOUR SPECIFICATION REQUEST FORM.

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RETURNS:	Returns may be accepted with prior RGA approval. A 25% restocking fee may also apply. Contact a Harmsco [®] sales representative for details.			
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NOTICE

Some of the information contained in this publication has been obtained from outside sources and is considered accurate. Temperature ratings, flow rates and chemical resistance can be affected by a number of unknown factors. For this reason, we do not assume any liability for the accuracy or completeness of the data in this publication. End users should perform their own tests to determine suitability for each application.





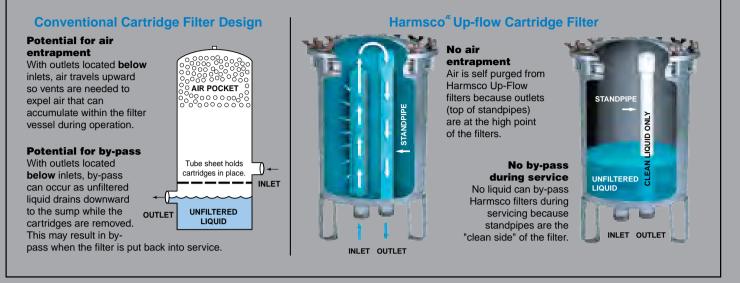


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A HISTORY IN PROGRESS

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HARMSCO[®] HIGHLIGHTS

March 1973

i Upflow Cartridge Filter Application (Pat. no. 3,720,322)

February 198

i Electrically grounded filter plate (Pat. no. 4,187,179)

June 1984

ï Combination Filter/Heat Exchanger (Pat. no. 4,455,227)

December 1985

- ï End connected filter cartridges
- (Pat. no. 4,559,138)
- i Single Cartridge Filter (Pat. no. 4,561,979)

December 1992

ï Filter System utilizing rotational flow and method for making slanted pleats (Pat. no. 5,174,896)

March 1993

 Filtering System utilizing rotational flow and dual chamber (Pat. no. 5,196,119)

May 1994

Pleated Filtering Sleeve for rotational flow filtering systems (Pat. no. 5,316,677)

(Pat. no. 5,

- April 2001
- i Additional 80,000 sq. ft. production facility opens in Lake Wales, Florida
 i Introduction of the SureSafe™
- filter cartridge.

March 2004

i Introduction of Band Clamp Filters and Bag Filter Housings

January 2006

i Introduction of Swing Bolt High Performance Hurricane Cartridge Filter Housings, ASME design