

**Combination centrifugal separator and up-flow cartridge filter in a single compact design with one single cartridge for easy installation, removal and service. \***

Harmsco® Hurricane filters provide unsurpassed performance because they separate dense solids prior to cartridge filtration for extended filter life, increased dirt holding capacity and reduced maintenance costs. In many respects Harmsco® Hurricane filters are two filters in one!



## Features:

- 304 stainless steel filter housings
- Electro polished for superior finish
- Optional chemical resistant coatings available
- Fail-safe lids with individual studs for security
- Brass wing nuts for easy maintenance- no tools needed



Models HUR 40 HP, HUR 170 HP and HUR 90 HP

## Specifications:

- 304 Stainless Steel
- Rim Gaskets - EPDM, (Buna-N, Viton available)
- Wingnuts - Brass
- Standpipe - CPVC
- 316 Stainless Steel optional
- Pressure - 150 psi (max.)
- BSTP optional
- Temperature - 140°F (max.)
- - Up to 250°F with optional stainless steel standpipe and high temperature cartridges installed

Model	Flow rate (GPM)	Flow rate (LPM)	Flow rate (M <sup>3</sup> /HR)	Pipe Size (NPT)	Drain (NPT)	Filter height	Floor space req	Service height	Shipping weight
HUR 40 HP	Up to 50	Up to 189	Up to 12	2"	1"	21" / 54 cm	15" x 15"	31" / 79 cm	40 lbs. / 18 kg
HUR 90 HP	Up to 100	Up to 378	Up to 24	2"	1"	31" / 79 cm	15" x 15"	51" / 130 cm	51 lbs. / 23 kg
HUR 170 HP	Up to 150	Up to 568	Up to 36	2"	1"	41" / 105 cm	15" x 15"	72" / 183 cm	64 lbs. / 29 kg

\* For best centrifugal separation, flow rates should exceed 35 GPM.



**Harmsco® Filtration Products**

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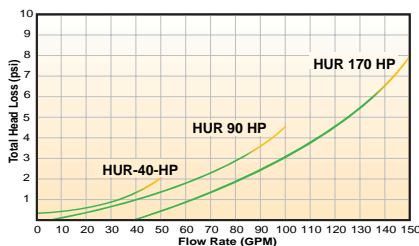
# Replacement Cartridges

Cartridges rated for temperatures to 140°F (60°C). Polyester-Plus™ filter media is cleanable and cartridges are reusable in most applications and micron ratings. Cartridges can separate solids in liquids with a pH of 3 to 11. Packaged one per carton.



Filter Model	Cartridge Product Code	Nominal Micron	Cartridge Dimensions			Ship wt./ctn. (One cartridge)
			L	x OD	x ID	
HUR 40 HP	HC/40-0.35	0.35	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-1	1	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-5	5	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-10	10	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-20	20	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-50	50	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-100	100	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/40-150	150	9-5/8"	7-3/4"	3" FPT	4 lbs.
HUR 90 HP	HC/40-EZ-CLEAN**	N.R.	9-5/8"	7-3/4"	3" FPT	4 lbs.
	HC/90-0.35	0.35	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-1	1	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-5	5	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-10	10	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-20	20	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-50	50	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-100	100	19-1/2"	7-3/4"	3" FPT	7 lbs.
HUR 170 HP	HC/90-150	150	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/90-EZ-CLEAN**	N.R.	19-1/2"	7-3/4"	3" FPT	7 lbs.
	HC/170-0.35	0.35	30-3/4"	7-3/4"	3" FPT	10 lbs.
	HC/170-1	1	30-3/4"	7-3/4"	3" FPT	10 lbs.
	HC/170-5	5	30-3/4"	7-3/4"	3" FPT	10 lbs.
	HC/170-10	10	30-3/4"	7-3/4"	3" FPT	10 lbs.
	HC/170-20	20	30-3/4"	7-3/4"	3" FPT	10 lbs.
	HC/170-50	50	30-3/4"	7-3/4"	3" FPT	10 lbs.
HC/170-100	100	30-3/4"	7-3/4"	3" FPT	10 lbs.	
HC/170-150	150	30-3/4"	7-3/4"	3" FPT	10 lbs.	
HC/170-EZ-CLEAN**	N.R.	30-3/4"	7-3/4"	3" FPT	10 lbs.	

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



Pressure drop shown above is for filter housing and 20 micron filter cartridge in clean water. Data developed by NSF International

Pleated Polyester Sediment Cartridges

Poly-Pleat™ Cartridges

**Poly-Pleat™ Cartridges** are designed for drinking water applications to remove **Cryptosporidium** and **Giardia Cysts** and when one micron absolute rated filtration is required. Cartridges are rated for temperatures to 140°F (60°C). \* Polypropylene filter media also offers compatibility with many aggressive chemicals. Check compatibility charts for polypropylene media, PVC center tubes and end caps.



Filter Model	Cartridge Product Code	Absolute Micron	Cartridge Dimensions			Ship wt./ctn. (One cartridge)
			L	x OD	x ID	
HUR 40 HP	PP-HC/40-1	1	9-1/8"	7-3/4"	3" FPT	4 lbs.
HUR 90 HP	PP-HC/90-1	1	19-1/2"	7-3/4"	3" FPT	7 lbs.
HUR 170 HP	PP-HC/170-1	1	30-3/4"	7-3/4"	3" FPT	10 lbs.

\* Temperature limits vary and depend on pressure and time under load.

## Activated Carbon Cartridges for Hurricane 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.

### Specifications

Carbon	High performance extruded activated carbon block
Outer wrap	Five micron pleated polyester media
End caps	Plastisol (pliable PVC)
Directional Flow	Radial (outside to in) for low pressure drop
Temperature	Rated to 125°F (52°C).
Flow rate	10 GPM for optimum performance
Dimensions	See above. (Same as standard Hurricane cartridges)



Hurricane A/C cartridge

Product code	Carbon content (lbs.)**	Capacity (gals.)**	Chlorine reduction*
HC/40-AC-5	3	15,000	90%-95% at 5 GPM
HC/90-AC-5	6.25	30,000	90%-95% at 10 GPM
HC/170-AC-5	10	100,000	90%-95% at 15 GPM

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

Note: as with any fluid application involving carbon medias, "slower is better". As a result, Harmsco, Inc. recommends limiting flow rates to allow for effective contact time. The above listed data indicates potential chlorine reduction for a volume of chlorinated water at given flow rates.

Activated Carbon Cartridges



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