

Combination cartridge filter and particle separator in a single compact design

Harmsco® Hurricane ASME filters meet ASME code requirements for high pressure applications and to meet insurance compliance requirements. All Hurricane ASME filter designs include heavy-duty, stainless steel construction, and hinged swing-bolt lids for easy access to the cartridge.

Features:

- Meets safety standards for insurance compliance
- Meets safety standards for high pressure requirements (ASME "U" Stamp)
- Provides exceptionally long equipment life
- Rugged construction - Low carbon stainless steel
- Lowers capital equipment costs over the long-term
- Hinged swing-bolt closure for easy lid removal and reduced maintenance costs.
- Full line of cartridges available in wide range of micron ratings.



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

Specifications:

Filter Model

HUR 90 ASME
HUR 170 ASME
HUR 850 ASME

Cartridge Product Code

HC/90 + Micron Rating required
HC/170 + Micron Rating required
HC/170 + Micron Rating required

Model	Pressure Rating (psi)	Temp °F	Cartridge (Qty.)	Flow Rate* (GPM)	Pipe Size (I/O) (NPT)	Filter Height	Floor Space/ Footprint	Shipping Weight
HUR 90 ASME	200	100	HC/90 + micron (1)	Up to 100	2"	36"	15" x 15"	225 lbs.
HUR 170 ASME	200	100	HC/170 + micron (1)	Up to 200	2"	48"	15" X 15"	250 lbs.
HUR 850 ASME	200	100	HC/170 + micron (5)	Up to 600	4" flanged	66"	30" X 30"	1000 lbs.

* Note: Lower flow rates and pressures result in longer cartridge life. Designing to 70-80% of maximum flow will increase overall performance.

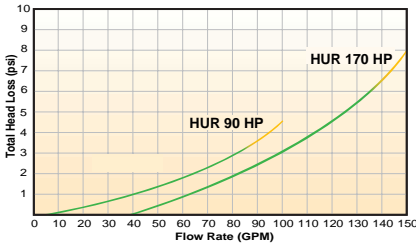
Note: Filters listed above come with "U" stamp, 1" drain built-in, heavy-duty legs with mounting holes, and choices of standard Hurricane filter cartridges. Lid for "850" model has spring assist.



Harmsco® Filtration Products

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



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 be used in liquids with a pH of 3 to 11. Packaged one per carton. Hurricane cartridges capable of 50 psi ΔP.

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

Filter Model	Cartridge Product Code	Nominal Micron	Cartridge Dimensions			Ship wt./ctn. (One cartridge)	
			L	x OD	x ID		
HUR 90 HP	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.	
	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.	
HUR 170 HP	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.

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 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).
Pressure	Rated for differential pressures to 50 psi (3.5 bar)
Flow rate	10 GPM for optimum performance
Dimensions	See above. (Same as standard Hurricane cartridges)

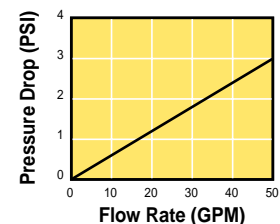


Hurricane A/C cartridge

Product code	Carbon content (lbs.)**	Capacity (gals.)**	Chlorine reduction*
HC/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 media, "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.



Initial pressure drop in clean water (HC/170-AC-5).



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