

HARMSCO®

PFAS

Premium Hurricane® Carbon Cartridges

PFOS/PFOA Reduction

Designed for Hurricane® and WaterBetter® filter housings

Activated Carbon cartridges designed for reduction of hazardous PFOS/PFOA contaminants from potable water sources
The industry's largest carbon block cartridge



*Performance of carbon block core
validated by the U.S. EPA*

Protect Against

- ▶ Increased cholesterol levels
- ▶ Immune system changes
- ▶ Decreased fertility
- ▶ Altered thyroid function
- ▶ Increased risk of certain types of cancer
- ▶ Changes in learning & behavior of children
- ▶ Abnormal changes of developing fetus



**Certified to
NSF/ANSI/CAN
Standard 61**

Activated Carbon Features

- ▶ NSF/ANSI Protocol P473 Tested*
- ▶ NSF/ANSI/CAN Standard 61 Certified
- ▶ Flow rates up to 15 GPM maximum per cartridge
- ▶ Solutions offered with up to 1,400,000 gallons of filtration capacity between cartridge change-outs (HUR 16X170FL)



Firefighters using fire retardant foam containing PFOS/PFOA



HARMSCO® Filtration Products



Made in USA

Premium Hurricane® Carbon Cartridges

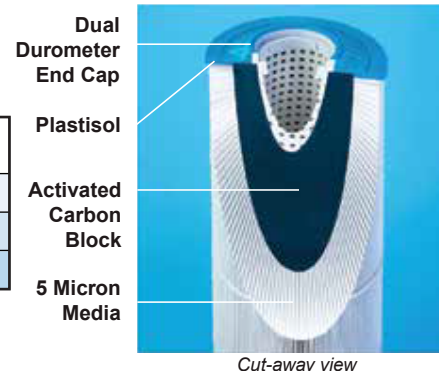
Specifications

- **Carbon:** High performance extruded 100% coconut activated carbon block
- **Outer layer:** 5 micron nominal pleated Polyester-Plus™ media
- **Center tubes:** PVC, rigid and perforated
- **End caps:** Plastisol (pliable PVC) Dual Durometer
- **Directional flow:** Radial (outside to in) for low pressure drop
- **Temperature:** Max. Temperature 125°F (52°C)

Cartridge Selection/Sizing Guide

7-3/4" O.D. Hurricane® Carbon Cartridges

Product Code	Nominal Micron Rating	Media (sq.ft.)	Recommended Flow Rate (GPM)	Min. Carbon Content (lbs)	Capacity (Gallons)	Cartridge Length
HC/40-AC-5	5	30	5	2.5	30,000	9-5/8"
HC/90-AC-5	5	60	10	5	60,000	19-1/2"
HC/170-AC-5	5	90	15	8	90,000	30-3/4"



PFOS/PFOA Data Summary - Filter 1

Sample Point	Water Sample Point Effluent 1	Influent Total PFOA + PFOS Concentration (µg/L)	Effluent Total PFOA + PFOS Concentration (µg/L)	Passing Criteria
10 UV	10 UV	1.53	<0.01	Passed
50%	5,000 gallons	1.52	<0.01	Passed
100%	10,000 gallons	1.49	<0.01	Passed
150%	15,000 gallons	1.55	<0.01	Passed
180%	18,000 gallons	1.56	<0.01	Passed
200%	20,000 gallons	1.40	<0.01	Passed
300%	30,000 gallons	1.44	<0.01	Passed
360%	36,000 gallons	1.60	0.04	Passed
400%	40,000 gallons	1.56	0.04	Passed
450%	45,000 gallons	1.58	0.03	Passed
460%	46,000 gallons	1.58	0.08	Test End



Performance of carbon block core validated by the U.S. EPA

PFOS/PFOA Data Summary - Filter 2

Sample Point	Water Sample Point Effluent 2	Influent Total PFOA + PFOS Concentration (µg/L)	Effluent Total PFOA + PFOS Concentration (µg/L)	Passing Criteria
10 UV	10 UV	1.53	<0.01	Passed
50%	5,000 gallons	1.52	<0.01	Passed
100%	10,000 gallons	1.49	<0.01	Passed
150%	15,000 gallons	1.55	<0.01	Passed
180%	18,000 gallons	1.56	<0.01	Passed
200%	20,000 gallons	1.40	<0.01	Passed
300%	30,000 gallons	1.44	<0.01	Passed
360%	36,000 gallons	1.60	0.04	Passed
400%	40,000 gallons	1.56	0.06	Passed
450%	45,000 gallons	1.58	0.03	Passed
460%	46,000 gallons	1.58	0.12	Test End



Certified to NSF/ANSI/CAN Standard 61

Test through IAPMO QFT Laboratory, LLC. to NSF Protocol P473

Note: This publication is to be used as a guide. The data within has been obtained from many sources and is considered to be accurate. Harmsco does not assume liability for the accuracy and/or completeness of this data. Changes to the data can be made without notification. Temperature, Pressure, Flow Rates, Differential Pressures, Chemical Combinations and other unknown factors can affect performance in unknown ways. **Limited Warranty:** Harmsco warrants their products to be free of material and workmanship defects. Determination of suitability of Harmsco products for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. The end user/installer/buyer shall be liable for the product's performance and suitability regarding their specific intended applications. End users should perform their own tests to determine suitability for each application.



HARMSCO® Filtration Products

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