

Harmsco® PRESS RELEASE 05/23

Don't wait for Public Officials to Act, Protect YOUR Water Supply Now!

Reducing PFOS/PFOA in Drinking Water with Harmsco's Activated Carbon Cartridges & Hurricane® Housings

PFOS/PFOA are a group of man-made chemicals that persist in the environment. These chemicals have been used for decades in fire retardant foams and other fire fighting sprays. The characteristics that make them useful are the reasons they persist in the environment which, leads to harmful buildup in humans & animals.

PFOS/PFOA Contamination



PFOS and PFOA Health Effects

- Increased cholesterol levels
- Immune system changes
- Decreased fertility
- Altered thyroid function
- Increased risk of certain types of cancer
- Changes in growth, learning and behavior in developing fetuses and children

INDEPENDENT LAB VALIDATION

Harmsco® HC/40-AC-5 cartridges installed in Harmsco® Hurricane® HUR 40 HP Housing - Independently lab tested* to NSF STD 473 for PFOS and PFOA reduction.



Certified to NSF/ANSI/CAN Standard 61



PFOA & PFOS Data Summary Filter 1

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

PFOA & PFOS Data Summary Filter 2

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

* Test through IAPMO QFT Laboratory, LLC. 2016.

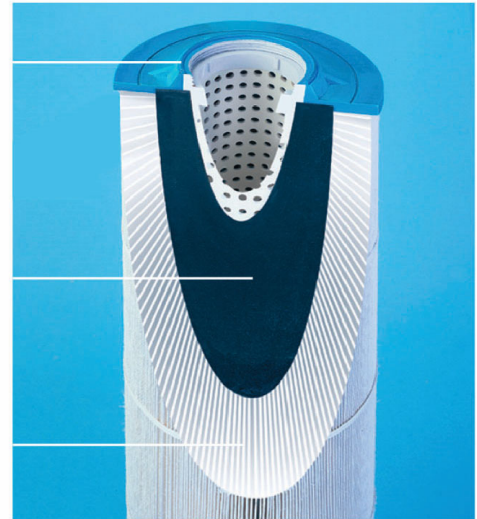
Harmsco Activated Carbon Cartridge Features

- Independently Lab tested to NSF/ANSI/CAN Standard 473
- Long PFOS/PFOA reduction
- Flow rates of 5gpm, 10gpm, and 15gpm for maximum PFOS/PFOA removal per cartridge
- 5 Micron Pre-filter incorporated in cartridge
- Solutions offered with up to 1,440,000gal of filtration capacity between cartridge change-outs in a single filter housing (HUR 16X170FL)

Dual
Durometer
End Cap

Activated
Carbon
Block

5 Micron
Media



Cartridge Selection/Sizing Guide

7-3/4" OD Hurricane® Activated Carbon Cartridges

Product Code	Cartridge Length	Nominal Micron Rating	Media (sq. ft.)	Maximum Flow Rate (gpm)	Min. Carbon Content (lbs.)	Capacity (gal.)
HC/40-AC-5	9-5/8"	5	25	5	2.5	30,000
HC/90-AC-5	19-1/2"	5	55	10	5	60,000
HC/170-AC-5	30-3/4"	5	90	15	8	90,000



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Certified to
NSF/ANSI/CAN
Standard 61



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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