HARMSCO® PFAS

Premium Hurricane® Carbon Cartridges

PFOS/PFAS Removal

Designed for Hurricane® and WaterBetter® filter housings.

Activated Carbon cartridges designed for removal of hazardous PFOS/PFAS contaminants from Potable water sources. The industry's largest carbon block cartridge.

- **PFOS/PFAS 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**

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

HC/170-AC-5

HC/40-AC-5

HC/90-AC-5

Activated Carbon Features

- NSF/ANSI/CAN Standard P473 Tested*
- NSF/ANSI/CAN Standard 61 Certified
- Flow rates up to 15gpm for maximum PFOS/PFAS removal 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/PFAS

HARMSCO® Filtration Products

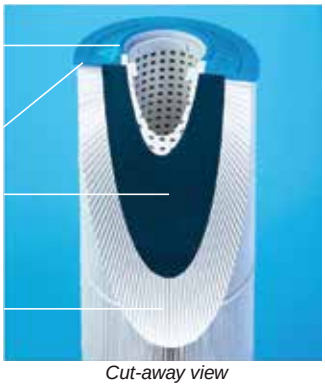
Made in USA

Premium Hurricane® Carbon Cartridges

Specifications

- **Carbon:** high performance extruded 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:** rated to 125°F (52°C)

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



Cut-away view

Cartridge Selection/Sizing Guide

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

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

PFOS/PFAS 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

PFOS/PFAS 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

*** Test through IAPMO QFT Laboratory, LLC. to NSF/ANSI/CAN Standard P473**

Hurricane® XP (HUR 5x170FL)

NSF®
Certified to NSF/ANSI/CAN Standard 61

Hurricane® HP series

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