



# WATER FILTRATION INNOVATION

## PB1®

ACTIVATED CARBON BLOCK FILTERS FOR CHLORINE, TASTE, ODOR, LEAD AND CYST REDUCTION\*

NOW WITH PFAS, CHLORAMINE & VOC REDUCTION\*

### FEATURES & BENEFITS

- PFAS reduction\*
- Chlorine and Chloramine reduction\*
- Lead reduction\*
- VOC reduction\*
- Reduces Cysts such as Cryptosporidium & Giardia by Mechanical Filtration\*
- 0.5 micron nominal filtration reduces sand, rust and sediment
- High dirt holding capacity
- High Adsorptive Capacity and Efficiency
- NSF and WQA certified for Material Safety
- California Prop. 65 compliant

### MATRIKX® ADVANTAGE

MATRIKX® has earned a reputation for innovation. Our latest breakthrough is high performance catalytic carbon technology. We are proud to announce the addition of chloramine reduction claims across our standard range of New and Improved MATRIKX® carbon blocks.

Made from 100% coconut shell activated carbon, a renewable and eco-friendly material, the standard MATRIKX® line has been Certified for Sustainability by WQA. MATRIKX® products not only deliver industry leading performance and value, they are also manufactured using sustainable materials and a process that is kind to the environment.

### OUR COMMITMENT TO QUALITY:

- 100% Coconut Shell Activated Carbon
- Performance validated by independent laboratories
- Manufactured in an ISO 9001 & 14001 certified facility
- Certified for Sustainability by WQA - S-803
- California Prop. 65 Compliant



\*Based on manufacturers internal testing.

# PB1®

## ACTIVATED CARBON BLOCK FILTERS FOR CHLORINE, TASTE, ODOR, LEAD AND CYST REDUCTION\*

### NOW WITH PFAS, CHLORAMINE & VOC REDUCTION\*

#### STANDARD PRODUCTS

Fully finished **MATRIKX® PB1®**, carbon block filter cartridges are compatible with industry standard 10 inch and 20 inch open sump housings: **MATRIKX® Pb1®** carbon blocks have a nominal rating of **0.5 micron**.

Part Number	Size	Chlorine Reduction Capacity*	PFAS Reduction Capacity*	Chloramine Reduction Capacity*	VOC Reduction Capacity*	Lead Reduction Capacity*	Cyst* Pressure Drop*
06-250-10-MATRIKX®	2 3/4" x 9 3/4" (70mm x 248mm)	> 30,000 gallons @ 1 gpm > 114,000 litres @ 3.8 l/min	> 3,000 gallons @ 0.5 gpm > 11,350 litres @ 1.9 l/min	> 2,000 gallons @ 0.5 gpm > 7,600 litres @ 1.9 l/min	> 500 gallons @ 0.5 gpm > 1890 litres @ 1.9 l/min	> 3,750 gallons @ 0.75 gpm > 14,000 litres @ 2.85 l/min	YES 12psid @ 1 gpm
06-250-20-MATRIKX®	2 3/4" x 20" (70mm x 508mm)	> 67,500 gallons @ 2 gpm > 256,500 litres @ 7.6 l/min	> 6,000 gallons @ 1 gpm > 22,700 litres @ 3.8 l/min	> 4,000 gallons @ 1 gpm > 15,200 litres @ 3.8 l/min	> 1,000 gallons @ 1 gpm > 3780 litres @ 3.8 l/min	> 7,500 gallons @ 1.5 gpm > 28,500 litres @ 5.6 l/min	YES 12psid @ 2 gpm
06-450-10-MATRIKX®	4 1/2" x 9 3/4" (114mm x 248mm)	> 120,000 gallons @ 3 gpm > 456,000 litres @ 11.4 l/min	> 9,000 gallons @ 1.5 gpm > 34,000 litres @ 5.6 l/min	> 6,000 gallons @ 1.5 gpm > 22,800 litres @ 5.6 l/min	> 1,500 gallons @ 1.5 gpm > 5670 litres @ 5.6 l/min	> 12,000 gallons @ 2.5 gpm > 45,500 litres @ 9.5 l/min	YES 14psid @ 3 gpm
06-450-20-MATRIKX®	4 1/2" x 20" (114mm x 508mm)	> 240,000 gallons @ 7 gpm > 912,000 litres @ 26.6 l/min	> 18,000 gallons @ 3 gpm > 68,000 litres @ 11.4 l/min	> 12,000 gallons @ 3 gpm > 45,500 litres @ 11.4 l/min	> 3,000 gallons @ 2 gpm > 11,350 litres @ 7.6 l/min	> 25,500 gallons @ 5 gpm > 97,000 litres @ 19 l/min	YES 14psid @ 7 gpm

\*Based on manufacturer's internal testing. Performance claims are based on independent laboratory and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary. Micron ratings are based on >85% removal of the given particle size. Estimated capacity > 90% reduction in chlorine at 2 ppm, >95% reduction in PFAS at 1500 ppt, > 83% reduction in chloramine at 3ppm, >95% reduction of VOC using chloroform as a surrogate and >96% reduction of 8.5 pH lead.

#### NOTES

**Important Notice:** Performance claims are based on a complete system, including a filter, housing and connection to a pressurized water source. This filter must be placed in an appropriate system, and operated according to the system's specifications in order to deliver the claimed performance. It is essential to follow operational, maintenance, and filter replacement requirements, as directed for each application, for this filter and system to perform correctly. Read the Manufacturer's Performance Data Sheet accompanying the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

1. Performance of a given **MATRIKX®** carbon filter varies in direct proportion to the total weight of carbon in each filter. 2. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol. 3. Nominal particulate rating is for >85% of a given size as determined from single-pass particle counting results.\* 4. Absolute particulate rating is for >99.9% of particles of a given size as determined from single-pass particle counting results.\*\* 5. Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use. 6. All information presented here is based on data believed to be reliable. It is offered for evaluation and verification, but is not to be considered a warranty of any kind. 7. **MATRIKX®** filters are designed to fit most standard household and commercial or industrial housings. 8. Contact Filtrex Technologies Pvt. Ltd to check filter housing compatibility. 9. After installation, follow the instructions on the label for flushing the carbon block prior to use.

\* Nominal Filter Rating: Filter rating indicating the approximate size particle, the majority of which will not pass through the filter. It is generally interpreted as meaning that 85% of the particles of the size equal to the nominal micron rating will be retained by the filter. (WQA Glossary of Terms, Third Edition, 3-97).

\*\* Absolute Filter Rating: Filter rating meaning that 99.9% (or essentially all) of the particles larger than a specific micron rating will be trapped on or within the filter. (WQA Glossary of Terms, Third Edition, 3-97).



COMPONENT

The filter cartridge is tested and certified by NSF International against NSF/ANSI Standard 42 for material safety requirements only.



COMPONENT

The filter cartridge is tested and certified by WQA against NSF/ANSI Standard 42 for material safety requirements only.



COMPONENT

This filter cartridge is certified by the Water Quality Association to WQA/ASPE/ANSI S-803 for sustainability.

#### LIMITED LIABILITY

Filtrex Technologies Pvt. Ltd makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning the product, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that this product should be capable of performing as described in this product's data sheet. Filtrex Technologies Pvt. Ltd's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in Filtrex Technologies Pvt. Ltd's sole discretion. Determination of suitability of this product for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this Limited Liability.

#### WARNINGS

**Minimum Operating Temperature: 40° F/ 4° C**  
**Maximum Operating Temperature: 125° F/ 52° C**  
**Minimum Operating Pressure: 20 psig/ 1.38 bar**  
**Maximum Operating Pressure: 250 psig/ 17 bar**  
**Maximum Differential Pressure: 100 psid/6.895 bar**  
**Collapse Pressure: 200 psig/13.79 bar**

**MATRIKX®** filters are not to be autoclaved or steam-sterilized. Use **MATRIKX®** carbon filters only with microbiologically safe and adequately disinfected water.

#### MANUFACTURED BY

Filtrex Technologies Pvt. Ltd. HRBR Layout, Bangalore 560043, India.  
**MATRIKX®** and **PB1®** are trademarks of KX Technologies, LLC.

[www.matrikx.com](http://www.matrikx.com)

Issue 2. December 2021