

# MATRIKX® DPF®

## Dual Purpose Filter

### The High Dirt Alternative

- *High Dirt Holding Capacity*
- *Effective Prefiltration Medium*
- *Powerful "Genuine MATRIKX® Extruded Activated Carbon" Core*
- *Select From Two Formulations*



MATRIKX® DPF® filters are designed for use in high-turbidity source water. Constructed of an outer prefiltration medium wrapped around a genuine MATRIKX® extruded carbon core, each DPF® filter provides both high dirt-holding capacity and the powerful adsorptive capacity of extruded activated carbon.

### Putting Dirt in Its Place

Each DPF® filter is fitted with 14 layers of polypropylene outer prefiltration medium designed to hold up to 35 grams of AC fine test dust. This barrier serves to produce a filter with both extensive dirt and adsorptive capacity. This is an ideal filter for the first stage of an RO system.

### Select From Two Formulations

DPF® filters come in two formulations, each designed to address a particular water treatment concern. Both DPF® filters measure 2.50" O.D. x 1.19" I.D. x 9.75" L and are designed to fit standard 10" housings.

### Technical Specifications and Order Information

Model	Part No.	Dirt-Holding Capacity	Chlorine Taste & Odor Reduction Capacity @ Flow	Nominal µm Rating	Initial ΔP @ Flow
DPF-EC	51-200-119-975	25 gms / AC Fine Test Dust	>2,500 gal. @ 1.0 GPM	1 µm	3.5 psid @ 1.0 GPM
DPF-C	53-200-119-975	35 gms / AC Fine Test Dust	>1,000 gal. @ 1.0 GPM	5 µm	1.4 psid @ 1.0 GPM



## ORDER INFORMATION

Special order filters are available in varying sizes with lengths from 1" to 60".

Standard filters are finished with an outer polypropylene spunbonded prefiltration medium. A protective polypropylene netting is applied to the exterior of the cartridge. Polypropylene end caps with compression gaskets fit most standard housings.

Inquire concerning alternative filter finishing options, including alternative end cap and housing interface styles, a wide range of non-standard extruded filter sizes, and non-standard prefiltration systems.

## EXTRUDED CARBON = EXCEPTIONAL VALUE

MATRIKX® DPF® filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. MATRIKX® DPF® filters flow in a radial (outside-to-inside) direction, providing increased dirt capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, MATRIKX® DPF® cartridges will not channel or bypass due to the extreme uniformity of their extruded activated carbon core. Service life of the MATRIKX® DPF® filter is greatly extended by 14 layers of 15 µm polypropylene prefiltration medium.

- No channeling
- No fluidizing
- No bypassing
- Eliminates release of carbon fines
- Lowest extractables, pure materials of construction
- Maximum service life and resistance to fouling
- Graded density prefiltration design
- Manufactured using FDA-compliant materials

Made in the USA.

Distributed by:



### LIMITED LIABILITY

KX Industries, L.P. 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. KX Industries, L.P.'s obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in KX Industries, L.P.'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.

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## NOTES

1. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.
2. Nominal particulate rating (1 µm for DPF-EC and 5 µm for DPF-C) is for >85% of a given size as determined from single-pass particle counting results.\*
3. Absolute particulate rating (5 µm for DPF-EC and 10 µm for DPF-C) is for >99.9% of particles of a given size as determined from single-pass particle counting results.\*\*

\* 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).

## WARNINGS:

Maximum Operating Temperature:	125°F
Maximum Operating Pressure:	250 psig
Maximum Differential Pressure:	100 psid
Collapse Pressure:	200 psid

MATRIKX® filters are not to be autoclaved or steam-sterilized. Use this MATRIKX® DPF® carbon filter only with microbiologically safe and adequately disinfected water, as it is not designed to kill or remove bacteria or viruses.

Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use.

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.

MATRIKX® filters are designed to fit most standard household and commercial or industrial housings.

Contact KX Industries, L.P. to check filter housing compatibility.

This cartridge must be placed in an appropriate housing and flushed for a minimum of 5 minutes prior to use.

This Product is made or covered by one or more of the following United States Patents: 5,019,311; 5,147,722; 5,189,092; 5,249,948; 5,331,037; 5,922,803; 5,946,342; 6,061,384 and applicable foreign equivalents.

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