

E-Series Wound Depth Cartridges

Matrix has become a world leader in the filter cartridge market with the E-Series. We precisely pattern fibers to create consistently reliable filtration with a trapping effectiveness of up to 99%.

Matrix wound cartridges offer a gradual pressure increase during cartridge life instead of the abrupt flow cutoff experienced with competitor's cartridges.

Customer service representatives are available for custom cartridge construction requests.

Matrix XLC cartridges are available in both nominal and absolute ratings.



BENEFITS

- Offered in a wide variety of lengths from 4in. to 50in., and diameters from 1.5in. to 4.5in. OD for easy vessel fittings.
- The E-Series cartridge is available in the following media:
Polypropylene Industrial, Polypropylene FDA, Xtrapor, Bleach Cotton, Bleach Cotton FDA, Natural Cotton, Acrylic, Rayon, Polyester, Nylon, and Glass.
- Core Covers offered in cotton, polypropylene, polyester, paper, glass, and membrane for excellent fiber migration protection.
- 304SS, 316SS, and Tin steel extended center cores are available, as well as, a polypropylene snap-in extender.
- Special end treatments such as 222 double O-ring caps, spears, and gaskets are typical additions that enhance cartridge performance.

RECOMMENDED OPERATING CONDITIONS

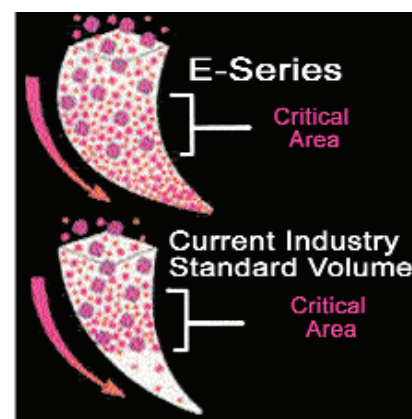
- Change out P: 25 psi
- Max Differential P at Ambient Temp: 60 psi
- Standard Dimensions
- 1 inch Inside Diameter
- 2.5 inch Outside Diameter
- 4-50 inch Length

This is to be used as a general reference only. The supplier assumes no responsibility or liability for the accuracy or completeness or results obtained by the use of this information. Users are advised to make their own test to determine the safety and suitability of each product or product combination.

TYPICAL APPLICATIONS

- Chemicals
- Connectors
- Consumer Products
- Food and Beverage
- Oils
- Paint Ink
- Petro Chemical
- Pharmaceutical
- Photographic
- Plating
- Vegetable Oils
- Water
- Waste Treatment

Expanded Void Volume Enhances Filtration



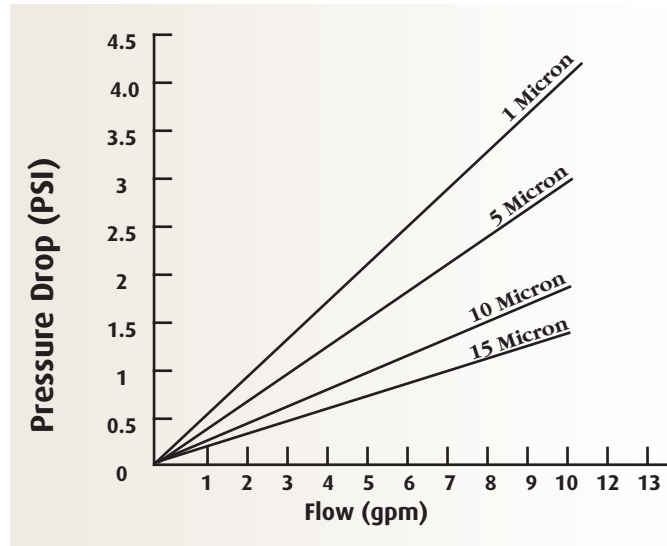
E-SERIES WOUND DEPTH CARTRIDGES

SELECTION GUIDE

| A Grade | P Type | 5 Micron Rating | A Cartridge Diameter | 10 Length in Inches | P Core | *C Covers | D End Cap Code | S O-Rings /Gaskets | |
|---------------|----------------------|--------------------|-------------------------|------------------------|-----------|--------------|-------------------|----------------------------|-----------------------------|
| A=Absolute | P=Polypropylene | 0.5 | T=1 1/2" | 4 | 5 | P=PP | *C=Compatible | A = DOE W/Gaskets No Caps | B=Buna |
| Blank=Nominal | PP=Polypropylene FDA | 1 | R=1 3/4" | 6 | 9.8 | A=304SS | *E=Polyester | B = DOE W/Gaskets And Caps | E=EPDM |
| | PX=Xtrupor | 3 | B=2" | 10 | 12 | S=316SS | *M=Membrane | C = 222 W/Spear | S=Silicone |
| | C=Bleach Cotton | 5 | F=2 3/8" | 12.5 | 19.5 | C=1.56 Steel | *G=Glass | D = 222 W/Closed Flat Cap | V=Viton |
| | CC=Bleach Cotton FDA | 10 | A=2 1/2" | 20 | 27 | D=1.22 PP | | E = 222 W/Spring | T=Teflon Encapsulated Viton |
| | CN=Natural Cotton | 20 | S=2 5/8" | 29.3 | 29.5 | F=Glass PP | | F = 226 W/Closed Flat Cap | |
| | R=Rayon | 25 | C=2 11/16" | 30 | 36 | M=1.56 PP | | G = 226 W/Spear | |
| | A=Acrylic | 30 | D=2 3/4" | 38 | 39 | W=PP/HW | | H = 226 W/Spring | |
| | PE=Polyester | 50 | E=3" | 40 | 50 | T=EPT | | J = Polypropylene Extender | |
| | N=Nylon | 75 | H=3 1/8" | | | | | K = Crimped Extended Core | |
| | G=Glass | 100 | J=3 1/2" | | | | | L = Spring | |
| | | 200 | M=4" | | | | | M = 316 Metal Extender | |
| | | 250 | W=4 1/4" | | | | | IB = IND BAG | |
| | | 400 | N=4 1/2" | | | | | IBL = IND BAG & LAB | |
| | | | U=2 1/4" | | | | | | |

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Pressure Drop vs. Flow Rate



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