



Graver Technologies

Filtration | Separation | Purification

COAX™ Series Filter Cartridges

Two Stage Depth Filter Cartridge

The COAX Depth Filter cartridge is an integral two stage depth filter. The first stage is made of nonwoven melt blown polypropylene to trap coarser particles. The second stage is composed of a bicomponent polypropylene and polyethylene fiber to provide fine particle retention. This unique design provides a true graded, two zone structure that offers a marked increase in useful life and dirt capacity. In addition, the rigid nature means there is no flexing of the cartridge and greatly reducing media migration and particle unloading.

Features–Benefits

- Two stage depth filter
- Maximum dirt holding and useful life
- Inert pure polyolefin construction, non-shedding media
- Broad chemical compatibility
- Low extractables
- Extensive range of lengths and configurations
- Rigid construction resists unloading

Product Specifications

Media:	Thermally bonded Polypropylene/polyethylene fiber
End caps:	Polypropylene (when used)
Gaskets/O-Rings :	Silicone, EPDM, Buna N, Santoprene, Viton, Teflon encapsulated Viton (O-Rings only)
Micron ratings:	0.5, 1, 3, 5, 10, 25 µm

Dimensions

Nominal lengths:	5", 9.75", 10", 20", 30", 40" (12.7, 24.8, 25.4, 50.8, 76.2, 101.6 cm)
Outside diameter:	2.6" (6.5 cm)
Inside diameter:	1.0" (2.54 cm)

Operating Parameters

Maximum operating	140 °F (60°C)
Maximum differential pressure:	100 psid @ 70°F (7 bar @ 21 °C) 2 psid @ 176°F (0.14 bar @ 80°C)
Recommended change-out pressure:	35 psid (2.4 bar)

Performance Specifications

Sanitization

Hot water at 176°F (80°C) at 2 psid (0.14 bar) for 30 min.
 In-line steam at 257°F (125°C) at 1 psid (0.07 bar) for 30 min.
 Autoclavable at 257°F (125°C) for 30 min.



Certifications

USP Class VI - Meets USP Class VI Biological Test for Plastics.

FDA Listed Materials - All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.

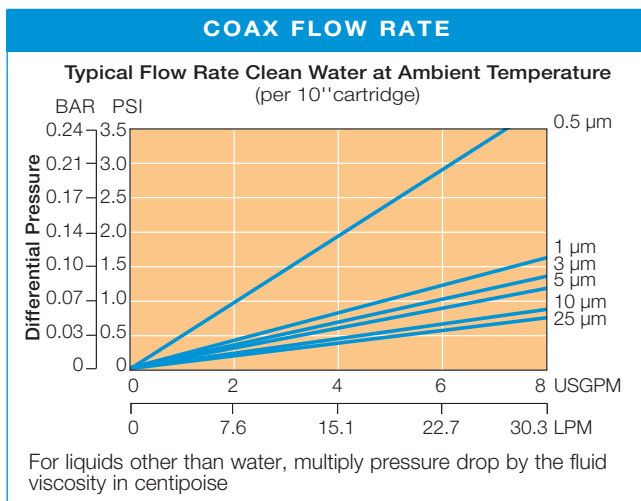
Typical Applications

- Paint
- Perfumes
- Cutting Oils
- CMP Slurries
- Magnetic Slurries
- Corn Syrup
- Plating Solutions
- Pre R.O.
- Coatings

COAX Nomenclature Information

COAX	25	-40	RL	P3		B						
COAX Series Filters					End Configuration	Gasket or O-Ring						
Retention Rating (microns)					P Double Open End	S Silicone						
<table style="margin: auto;"> <tr> <td style="padding: 0 10px;">0.5</td> <td style="padding: 0 10px;">3</td> <td style="padding: 0 10px;">10</td> </tr> <tr> <td style="padding: 0 10px;">1</td> <td style="padding: 0 10px;">5</td> <td style="padding: 0 10px;">25</td> </tr> </table>		0.5	3	10	1	5	25				P2 226/Flat Single Open End	B Buna-N
0.5	3	10										
1	5	25										
Nominal Length (inches)					P3 222/Flat Single Open End	E EPDM						
<table style="margin: auto;"> <tr> <td style="padding: 0 10px;">-5</td> <td style="padding: 0 10px;">-10</td> <td style="padding: 0 10px;">-30</td> </tr> <tr> <td style="padding: 0 10px;">-9.75</td> <td style="padding: 0 10px;">-20</td> <td style="padding: 0 10px;">-40</td> </tr> </table>		-5	-10	-30	-9.75	-20	-40				P6 Self-Seal Spring on One End	V Viton
-5	-10	-30										
-9.75	-20	-40										
Length Option					P7 226/Fin Single Open End	T Teflon endcap. Viton (O-Rings only)						
Blank	Standard length				P8 222/Fin Single Open End	N None						
RL	Reduced length				PX Extended Core							
					N None (Cut Ends)							
					AM Single Open End, internal O-Ring							
					DBG Direct Bond Santoprene Gaskets							

Example: COAX 25-40RLP3B



Removal Efficiency

Beta Ratio Efficiency	Beta 10 90%	Beta 20 95%	Beta 100 99%
0.5 micron	0.5	2.0	4.0
1 micron	1.0	3.0	8.0
3 microns	3.0	5.0	12.0
5 microns	5.0	8.0	20.0
10 microns	10.0	13.0	30.0
25 microns	25.0	30.0	50.0

For more information

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