



# COAX™ Melt Blown Filter Series

## 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 inner core is composed of a bicomponent polypropylene and polyethylene fiber to provide fine particle retention. This unique design provides a true graded density 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.

## Filter Features-Benefits

- Two stage graded density melt blown depth filter  
Maximizes dirt holding and useful life
- Inert pure polyolefin construction, non-shedding media
- Broad chemical compatibility
- Low extractables
- Meets USP Class VI standards – Acceptable for use in food, beverage and pharmaceutical applications
- Extensive range of lengths and configurations
- FDA listed materials of construction

## Applications

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

## COAX Filter Specifications

Media:	Thermally bonded Polypropylene/polyethylene fiber
End caps:	Polypropylene (when used)
Gaskets/O-Rings:	Silicone, Viton, EPDM, Buna-N
Micron ratings:	0.5, 1, 3, 5, 10, 25, 50, 100, 150µm
<b>Dimensions and Operating Parameters</b>	
Nominal lengths:	9.75", 10", 20", 30", 40" (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)
Maximum operating temperature:	140°F (60°C)
Maximum operating pressure:	100 psid @ 70°F (7 bar @ 21°C) 2 psid @ 176°F (0.14 bar @ 80°C)



## Filter Removal Efficiency

Beta Ratio Efficiency	Beta 100 99%	Beta 20 95%	Beta 10 90%
0.5 micron	4.0	2.0	0.5
1.0 micron	8.0	3.0	1.0
3.0 micron	12.0	5.0	3.0
5.0 micron	20.0	8.0	5.0
10.0 micron	30.0	13.0	10.0
25.0 micron	50.0	30.0	25.0
50.0 micron	100.0	60.0	50.0
100.0 micron	200.0	125.0	100.0
150.0 micron	250.0	200.0	150.0

## Performance Specifications

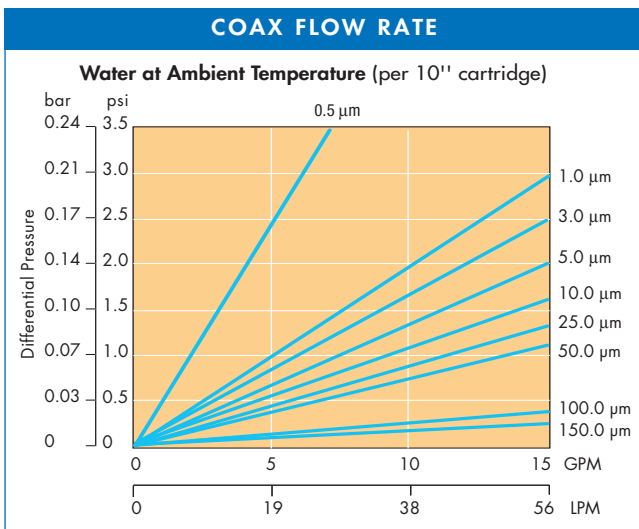
### Sanitization

Hot water at 176°F (80°C) at 5 psid (0.35 bar) for 30 min.  
Autoclavable at 257°F (125°C) for 30 min. (Basic DOE configuration)

## COAX Nomenclature Information

<p><b>COAX</b></p> <p><b>Filter Type</b> COAX Series Filters</p>	<p><b>25</b></p>	<p><b>-40</b></p> <p><b>Nominal Length (inches)</b></p> <p>-10 -20 -30 -40</p>	<p><b>RL</b></p> <p><b>Length Option</b></p> <p><b>Blank</b> Standard length <b>RL</b> Reduced length</p>	<p><b>P3</b></p>	<p><b>B</b></p> <p><b>Gasket or O-Ring</b></p> <p><b>S</b> Silicone <b>B</b> Buna-N <b>E</b> EPDM <b>V</b> Viton <b>T</b> Teflon encap. Viton (O-Rings only) <b>N</b> None</p>
<p><b>Retention Rating (microns)</b></p> <p>0.5 1 3 5 10 25 50 100 150</p>				<p><b>End Configuration</b></p> <p><b>P</b> Double Open End (hard end caps) <b>P2</b> 226/Flat Single Open End <b>P3</b> 222/Flat Single Open End <b>P6</b> Self-Seal Spring on One End <b>P7</b> 226/Fin Single Open End <b>P8</b> 222/Fin Single Open End <b>N</b> None <b>PX</b> Extended Core <b>AM</b> Single open end, internal O-Ring</p>	

Example: COAX 25-40RL P3B



### For more information

Graver Technologies Customer Service: **1-888-353-0303**

Technical Support: **1-800-510-0932**

E-mail us at [info@gravertech.com](mailto:info@gravertech.com)

Graver Technologies Europe (UK): **+44-1424-777791**

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**DISTRIBUTED BY:**



**Pureworld Solutions Inc.**

**Vancouver Office:**  
4916 River Reach,  
Delta, BC, V4K 4A4

**T: 604-878-8092**  
[info@pureworld.ca](mailto:info@pureworld.ca)  
[www.pureworld.ca](http://www.pureworld.ca)



**Graver Technologies**

200 Lake Drive  
Glasgow,  
DE 19702 U.S.A.

302- 731-1700  
800- 249-1990  
Fax 302- 369-0938

e-mail: [info@gravertech.com](mailto:info@gravertech.com)  
web site: [www.gravertech.com](http://www.gravertech.com)

