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# The Murdock Company, Inc.

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## **MicroExact™**

### **MT SERIES**

#### Thermally Bonded Filter Cartridges

Murdock's new MicroExact™ thermally bonded filter cartridges are designed to meet the standards of a wide spectrum of industries. High grade virgin polypropylene are used for all applications at an economical cost. Various micron grades and end cap configurations are a great choice, manufactured to the most stringent production standards making them the new benchmark of the industry. Our materials of construction use a proprietary method that exceeds our competitors.

The Murdock MicroExact™ cartridge should be your choice when quality is essential to the process.

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## **Features**

- The MicroExact™ MT series is available in 0.5,1,3,5,10,25,50,75, and 100 nominal micron sizes
- Each cartridge is inspected by our trained operators to ensure no manufacturing defects
- FDA grade elements are designed to be used as polishing grade cartridges
- FDA materials meet requirements of the FDA Title CFR21 of The Code of Federal Regulations
- Cartridges are designed for maximum throughput and particle retention at the lowest pressure drop
- Polypropylene construction offers a wide range of compatibility
- Compatible end caps such as 222, 226, closed end, fin end and DOE polypropylene end caps
- Cartridge lengths from 3" to 40"
- Compatible with ANSI/NSF 42 requirements for potable water if required

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## **Application**

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|-------------------|-------------------|--------------------|
| • Process Water   | • Pharmaceuticals | • Cosmetics        |
| • Food & Beverage | • Electronics     | • Paint & Ink      |
| • Chemical        | • Plating         | • Petro-Chemicals  |
| • Photographic    | • Printed Circuit | • Aerosol Products |

## Product Specifications

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### Materials of Construction

Filtration Media:	Polypropylene
Center core:	(None) Self Supported
Extended core options:	Polypropylene
Maximum Differential Pressure:	50 PSIG
Maximum Continuous Temperature:	180° F
End treatments:	DOE, Closed End, Fin End 222, and 226 O-ring sealing options
Gaskets and O-Rings:	Buna, Viton, Silicone, Ethylene Propylene, Teflon Encapsulated Silicone

### Ordering Guide

MEDIA TYPE	MEDIA CODE	MICRON CODE	DIAMETER SIZE	DIAMETER CODE	FILTER LENGTH	END TYPE	END CODE
FDA	<b>P</b>	<b>.5</b>	1"	<b>ZZ</b>	<b>3"</b>	DOE Unfinished Ends	<b>O</b>
Polypropylene		<b>1</b>	1 3/8"	<b>Z</b>	<b>4"</b>	Poly core extender	<b>EXT</b>
		<b>3</b>	1 1/2"	<b>Y</b>	<b>5"</b>	Double open end flat gasket	<b>DOE</b>
		<b>5</b>	1 3/4"	<b>X</b>	<b>6"</b>	SOE 222 o-ring/closed end	<b>CODE 3</b>
		<b>10</b>	2"	<b>B</b>	<b>9 3/4"</b>	cap	
		<b>25</b>	2 7/16"	<b>A</b>	<b>10"</b>	SOE 226 o-ring/fin end cap	<b>CODE 7</b>
		<b>50</b>	2 5/8"	<b>C</b>	<b>12"</b>	SOE 222 o-ring/fin end cap	<b>CODE 8</b>
		<b>75</b>	2 3/4"	<b>D</b>	<b>12 1/2"</b>		
		<b>100</b>	3"	<b>E</b>	<b>19 1/2"</b>		
			3 1/2"	<b>F</b>	<b>20"</b>		
			4"	<b>G</b>	<b>29 1/4"</b>		
			4 1/2"	<b>BB</b>	<b>30"</b>		
			5"	<b>H</b>	<b>39"</b>		
			5 1/2"	<b>I</b>	<b>40"</b>		
		6"	<b>J</b>				
<b>Example: MT</b>	<b>P</b>	<b>20</b>		<b>A</b>	<b>10</b>		<b>O</b>

Custom diameters and lengths available upon request. Please consult factory.

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