

MAXIMUS™ Meltblown Filtration Series

MAXIMUS CORE Meltblown Filter cartridges are manufactured using a highly controlled process in which a molten polymer is continuously extruded into fine fibers. These fine fibers thermally bond together to form a high porosity, gradient depth and high strength fiber matrix.

MAXIMUS CORE cartridges are made with polypropylene polymer without any binders, glues or adhesives and are excellent and economical choice for various liquid filtration applications.

FiltruDyn provides Meltblown cartridges in various lengths, micron ratings, end cap configurations and with or without molded cores if additional cartridge strength is required.



Material

All Polypropylene. No binders. No Adhesives.

Filtration efficiency

99% efficiency at rated particle retention levels.

Gradient Porosity

Efficient depth filtration using gradient porosity and fiber density through cartridge.

Pressure Drop

Designed for steady flow and longer service life.

Chemical Compatibility

Resistant to acids, alkalis, organic solvents, amines, 2-14 pH range.

Product Offerings

Various standard and custom lengths for various micron ratings.

APPLICATIONS

Food & Beverage

Micro Electronics & Semiconductors

Chemical & Pharmaceutical Processing

Oil & Gas

Pre-filtration for RO systems

Industrial Water & Waste Water

Inks, Paints, Plating

Polymers



Engineered Solutions Dynamic Performance

KEY HIGHLIGHTS

- FDA - compliant materials
- NSF 61 - compliant materials and components
- Meets Industry Benchmark Quality Standards

DIMENSIONS

- Outside diameter: 2.5" (6.35 cm)
- Inside diameter: 1.0" (2.54 cm)
- Lengths = 10", 20", 30", 40" or other custom lengths are available.

NOMENCLATURE AND PRODUCT OFFERINGS

Family	Series	Micron Rating	Nominal Length		End Cap Combination		Seal Material	Gasket or O-ring	Performance (Sub-Series)
			Inches	Code	End Cap 1	End Cap 2	Code	Description	N- Nominal
MAXIMUS	CORE	5	9.75		None	None	N	No Seal	G - Gradient
	GRAD	10	10		Flat OE	Flat OE	A	Polyfoam	A - absolute
	ABS	20	19.5	S2	222	Flat CE	B	Buna-N	X - Extra High Performance
	TITAN	40	20	F2	222	FIN	E	EPDM	
			29.25	S6	226	FIN	F	Fluoropolymer	
			30	F6	226	Flat CE	V	Viton	
			40	O	Flat OE	FIN			
			Special Lengths*	S	Flat OE	Extended Core			
						Self-Seal Spring			

*Special lengths and other specific micron ratings available on request.
 *Outside diameter = 2.5 inches - for all product family.

Ordering Information

Example - MAX- CORE-5240F2BG

- Polypropylene Meltblown Cartridge
- 5 micron solid particle retention rating
- 2.5" OD X 1" ID X 10" length (nominal dimensions)
- End Cap Configuration - 222-Oring and Flat Closed End
- Buna-N O-rings
- Gradient Depth Performance

MAX-	CORE	-5	2	10	F2	B	G
FAMILY	Series Name	Micron Rating	Outside Diameter	Nominal Length (inch)	End Cap Combination	Seal Material	Performance (sub-series)

OPERATING PARAMETERS

- Maximum Temperature Rating = 180 F/82 C
- Maximum Change-out Pressure drop = 35 PSID
- Burst pressure = 40 PSID

ABOUT FiltraDyn

FiltraDyn is a technology-driven company specializing in advanced filtration and separation solutions for critical industrial processes. With a team of seasoned experts in cartridge filtration and contaminant management, we design and deliver custom-engineered solutions that ensure flow integrity, maximize process efficiency, and protect mission-critical assets.

Our Solutions not only optimize operations but also contribute to greener industrial processes through customized products for Filtration and Separation applications.

This ensures complex processes run at optimal efficiency, while minimizing the significant financial and reputational risks of unplanned downtime.

CONTACT US

 www.FiltraDyn.com

 sales@FiltraDyn.com

 (940) 445-5203

