

THE  
**STRAINRITE**  
COMPANIES



# MADD-MAXX Series

Large Diameter Pleated Filters



# SCIENCE, SERVICE, STRAINRITE



## *WE PROVIDE INNOVATIVE, REAL-TIME SOLUTIONS*

At Strainrite, we believe in developing and maintaining long-term, strategic relationships with clients in order to deliver innovative, real-time solutions to specific customer and market requirements. Our new product innovations are derived from a collaborative philosophy where new products are developed through customer-supplier communication and cooperation. Additionally, within our organization, a cross-functional approach to product development is utilized to ensure that the product realization cycle is fast, complete, and efficient. Due to this unique cross-functional approach and our customer-focused company culture to support this philosophy; we are able to consistently meet and exceed our customers' expectations.

## *WE BELIEVE IN QUALITY CONTROL & SKILLED TECHNICAL SUPPORT*

All filter bags and cartridges are manufactured in our 81,000ft<sup>2</sup> facility located in Auburn, Maine. Our Quality Management System is certified to be ISO 9001:2008 compliant, and our extensive internal systems ensure the highest quality products and processes. Our state-of-the-art equipment and highly skilled technicians are able to maintain the highest levels of product reliability and repeatability, from receipt of raw materials to shipment of finished filters.



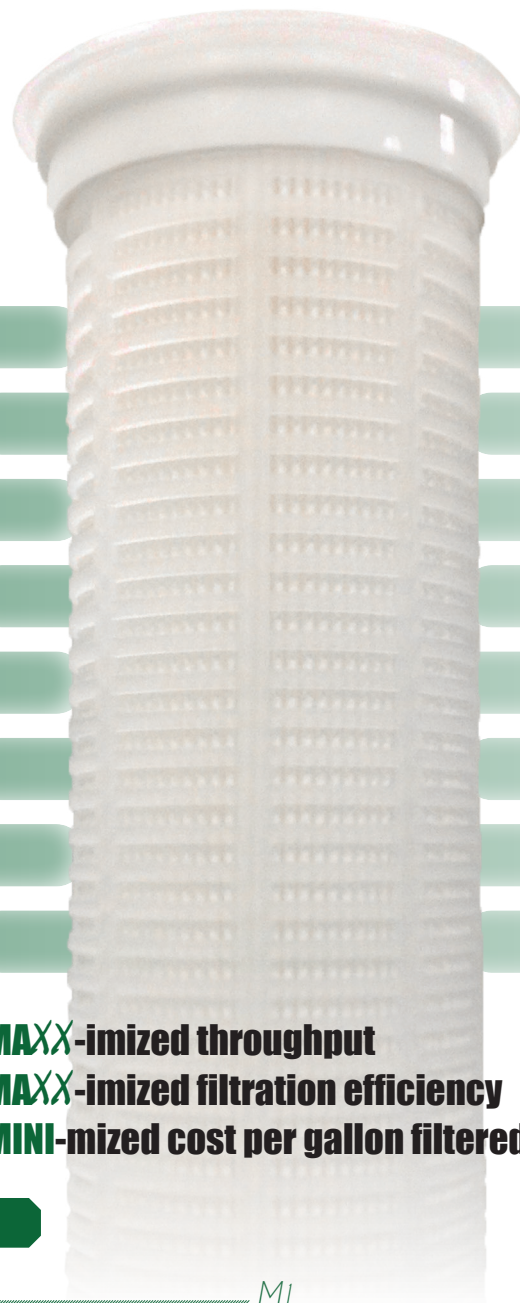
**MADD-MAXX** filters are engineered for critical high purity applications, optimizing throughput while maintaining an absolute rated performance that is consistent and reliable. Our filters feature a media structure with high surface area and increased void volume, as well as optimized pore size geometry.

# MADD-MAXX Series

## Large Diameter Pleated Filters (Inside - Out Flow)

A few controls that are in-place include:

- Raw material performance verification
- Bubble point and air diffusion testing
- Bacteria challenge verifications of performance
- Extractable verification and determination
- Ultra-pure water rinsing with resistivity verification of effectiveness
- Finished validated products are integrity tested by air diffusion



Our technical and scientific staff works closely with our clients during the validation process. The focus of this support is to offer technical advice on developing effective protocols and experimental testing parameters to assure predictable and repeatable output results.

**MAXX-imized throughput**  
**MAXX-imized filtration efficiency**  
**MINI-mized cost per gallon filtered**

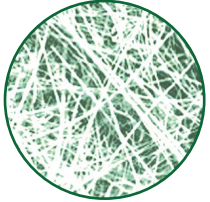
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# MADD-MAXX GF

## MAXX-IMIZE YOUR EXISTING BAG FILTER HOUSING

**MADD-MAXX GF** filters are engineered for critical high purity applications, optimizing throughput while maintaining an absolute rated performance that is consistent and reliable. Our Microglass Filter Elements feature a media structure with high surface area and increased void volume, as well as optimized pore size geometry. Precision blowing of fine denier fibers results in a highly uniform matrix that optimizes element flow rate and service life. This advanced fine fiber technology outperforms all competing Microfiber technologies.



BOROSILICATE MICROFIBER

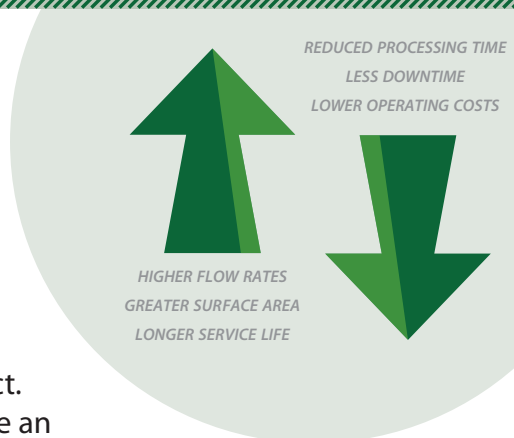
**MADD-MAXX GF** filter elements increase filtration efficiency of any existing bag filter vessel versus conventional filter bags. However, where true absolute filtration is required, it is highly recommended that these filters be used in Strainrite's SRHD or SRX SERIES [Zero Bypass] filter housings. The revolutionary vessel to element sealing properties designed into these hermetically sealed housings have produced absolute efficiencies verified by independent third-party testing facilities.



SRX SERIES

**MAXX-imized throughput**  
**MAXX-imized filtration efficiency**  
**MINI-imized cost per gallon filtered**

**MADD-MAXX GF** pleated elements are the preferred choice for filtering beverages such as Beer and Wine because they do not remove flavor enhancing proteins. We utilize acrylic binders that meet the requirements of CFR 21 for Food and Beverage contact. Many competing elements utilize an epoxy binder, providing the MADD-MAXX with a greater range of chemical compatibility in a wider range of applications.



### Applications

- Edible oils
- Food and Beverage industry
- DI/RO Pre-filtration
- Reagent Grade Chemicals
- Amine and Glycol fluids
- Water and Waste Water




## Features & Benefits

- Absolute-rated media provides reliable pore size control resulting in repeatable filtration performance
- Non-fiber releasing materials with minimal extractables providing high purity filtrate
- Lower pressure drops yield higher flow rates and reduced processing time
- MAXX-imum pleat design coupled with non-calendered Microfiber matrix offers greater surface area, ensuring longer service life, less downtime, and reduced operating costs per element
- Wide chemical compatibility
- Standard grade utilizes an epoxy binder, FDA grade utilizes an acrylic binder
- Thermally bonded construction, eliminating particle bypass

## Maximum Operating Temperature

180°F (82°C) Continuous Duty  
(Only offered in Polypro Hardware)

## Ordering Information

		Example:
<b>Material</b>	MDX-GF MADD-MAXX GF Borosilicate Microglass	MDX-GF
<b>Micron Rating</b>	0.5, 1, 3, 5, 10, 15	0.5
<b>Length</b>	P1, P2, P3, P4	P1
<b>Cage Design</b>	C - Plastic PP	C
<b>End Cap Configuration</b>	P - Over-the-top style Z - Z-top style M - Sentinel style C - Commercial style	P
<b>O-ring/Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM S - Silicone	B
		 <b>MDX-GF0.5P1CPB</b>

## Materials of Construction

**Filter Media:** GF - Borosilicate Microglass

**Support Material:** Polyester

**Hardware:** Polypropylene

**Cage:** Polypropylene

**Sealing:** Thermal Bond

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone

## Dimensions

**Nominal Outside Diameter:** 6.75" - 7.45"

**Nominal Lengths:** P1 - 14" (35.7 cm)  
P2 - 26" (66.3 cm)  
P3 - 30" (76.5 cm)  
P4 - 40" (102 cm)

**Nominal Surface Area:** P1 - 20 sq. ft.  
P2 - 41 sq. ft.  
P3 - 46 sq.ft.  
P4 - 60 sq.ft.

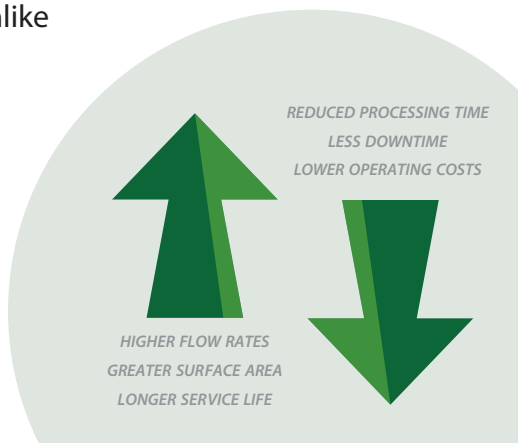
# MADD-MAXX MF

M2

## MAXX-IMIZE YOUR EXISTING BAG FILTER HOUSING

**MADD-MAXX MF** [Hybrid Filter Technology] filters are engineered for critical high purity applications by optimizing throughput while maintaining absolute rated performance that is both predictable and repeatable. Our superior filter media is constructed on the latest Continuous Microfiber blowing equipment, which accurately controls fiber diameter and web design. This state-of-the-art equipment utilizes online monitoring equipment, delivering the industry's most uniform and consistent media, resulting in unparalleled product consistency.

By combining high performance media in a **MADD-MAXX** inside-out flow configuration, we have created the ultimate filter. This element combines the advantages of typical bag filtration, ease of use, and exceptional dirt holding capacity with the high efficiency and performance characteristics of cartridge filtration. The inside-out flow design ensures that unwanted contaminants stay inside the element during change out, unlike typical cartridge filtration, virtually eliminating the possibility of downstream contamination. Our 100% polypropylene construction provides an excellent range of chemical compatibility for your most demanding applications. All materials of construction meet or exceed the requirements of CFR 21 for Food and Beverage contact.



**MAXX-imized throughput**  
**MAXX-imized filtration efficiency**  
**MINI-ized cost per gallon filtered**

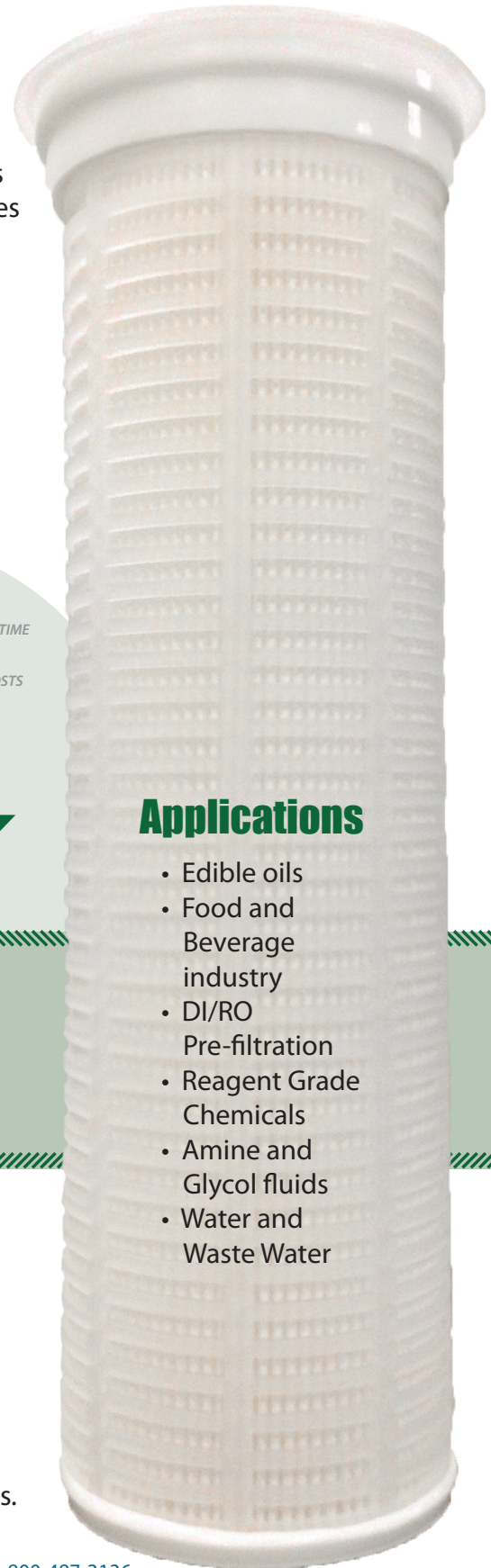
**MADD-MAXX MF** filter elements increase filtration efficiency of any existing bag filter vessel vs. conventional filter bags. However, where true absolute filtration is required, it is highly recommended that these filters be used in Strainrite's SRHD or SRX SERIES [Zero Bypass] filter housings. The revolutionary vessel to element sealing properties designed into these hermetically sealed housings have produced absolute efficiencies verified by independent third-party testing facilities.



SRX SERIES

### Applications

- Edible oils
- Food and Beverage industry
- DI/RO Pre-filtration
- Reagent Grade Chemicals
- Amine and Glycol fluids
- Water and Waste Water



## Features & Benefits

- Absolute-rated media provides reliable, consistent and repeatable filtration
- Faster change-outs compared to standard high performance cartridges
- Contaminants are captured inside the element, eliminating downstream contamination
- Lower pressure drops yield higher flow rates and reduced processing time
- MAXX-imum pleat design for greater surface that ensures longer service life, less downtime, and reduced operating costs per element
- Thermally bonded end caps
- Single or double 261 o-ring seal ensures a hermetic seal for critical high purity applications
- 100% polypropylene, FDA compliant with CFR 21

## Materials of Construction

**Filter Media:** MF - Polypropylene Microfiber

**Support Material:** Polypropylene

**Hardware:** Polypropylene

**Cage:** Polypropylene

**Sealing:** Thermal Bond

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone

## Ordering Information

Material	MDX-MF MADD-MAXX MF Polypropylene Microfiber	MDX-MF
Micron Rating	0.5, 1, 3, 5, 10, 25, 50	0.5
Length	P1, P2, P3, P4	P1
Cage Design	C - Plastic PP	C
End Cap Configuration	P - Over-the-top style Z - Z-top style M - Sentinel style C - Commercial style	P
O-ring/Envelope Seal	B - Buna N V - Fluorocarbon E - EPDM S - Silicone	B

Example:

MDX-MF0.5P1CPB

## Dimensions

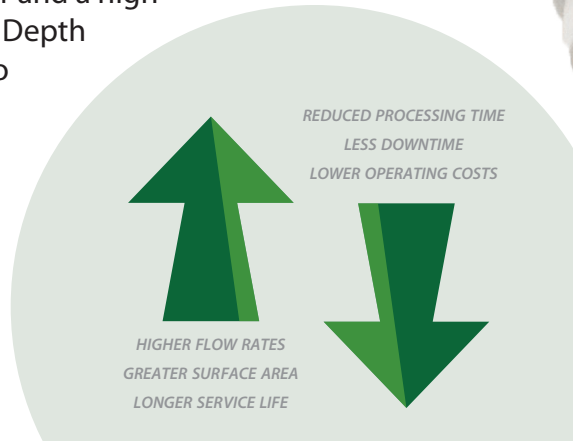
**Nominal Outside Diameter:** 6.75" - 7.45"

**Nominal Lengths:** P1 - 14" (35.7 cm)  
P2 - 26" (66.3 cm)  
P3 - 30" (76.5 cm)  
P4 - 40" (102 cm)

**Nominal Surface Area:** P1 - 20 sq. ft.  
P2 - 41 sq. ft.  
P3 - 46 sq.ft.  
P4 - 60 sq.ft.

## MAXX-IMIZE YOUR EXISTING BAG FILTER HOUSING

**MADD-MAXX XL** elements feature the proven benefits of small fiber diameter and a high void area, creating the perfect Depth Filter. These elements offer 5 to 10 times more surface area, depending upon chosen configuration and materials of construction. Coupled with your choice of a single or double o-ring positive seal, resulting in the most reliable, and versatile filters available.



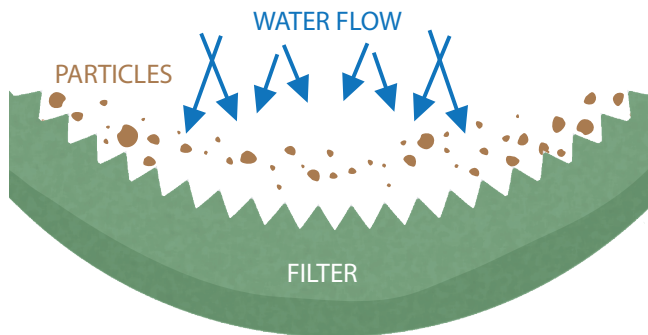
**MAXX-imized throughput**  
**MAXX-imized filtration efficiency**  
**MINI-imized cost per gallon filtered**

### The MADD-MAXX Advantage

- Small Fiber Diameter
- High Void Area
- 5 to 10 times more surface area than standard filter cartridges

**MADD-MAXX**  
PLEATED FILTER CARTRIDGE

**INSIDE-OUT FLOW**  
INCREASED SURFACE AREA  
LOWER PRESSURE DROP  
LONGER CARTRIDGE LIFE



### Applications

- Polymers and Viscous Fluids
- Fracking
- Bio Diesel
- Edible oils
- Food and Beverage industry
- DI/RO
- Pre-filtration
- Reagent Grade Chemicals
- Amine and Glycol fluids
- Waste Water





## Features & Benefits

- Increased surface area offers higher flow capacity in existing applications
- Lower initial differential pressure, reducing filtration costs, due to longer element life
- Single and double o-ring sealing flange available for increased efficiency
- Thermally bonded end caps eliminating bypass
- Dual Density with built-in pre-filter, preventing premature binding of final filter media
- Internal polymeric pleat separator to assure full utilization of the entire pleat surface area

## Materials of Construction

**Filter Media:** SP - Polypropylene Felt

**Hardware:** Polypropylene

**Cage:** C - Polypropylene Plastic  
B - Rigid Resin Bonded Felt\*

**Sealing:** Thermal Bond

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone

*\*P-top and D1 single o-ring top only*

## Ordering Information

		Example:
<b>Material</b>	MDXL-SP MADD-MAXX XL SP	MDXL-SP
<b>Micron Rating</b>	1T, 1, 5, 10, 25, 50, 75, 100, 200	0.5
<b>Length</b>	P1, P2, P3, P4	P1
<b>Cage Design</b>	C - Plastic PP B - Rigid Resin Bonded Felt*	C
<b>End Cap Configuration</b>	P - Over-the-top style Z - Z-top style M - Sentinel style C - Commercial style	P
<b>O-ring/Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM S - Silicone	B

*\*P-top and D1 single o-ring top only*

➔ MDXL-SP0.5P1CPB

## Dimensions

**Nominal Outside Diameter:** 6.75" - 7.45"

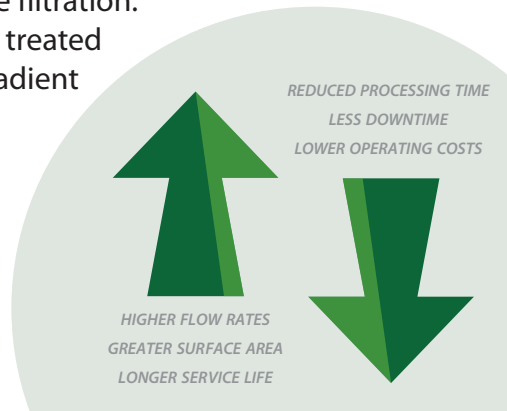
**Nominal Lengths:** P1 - 14" (35.7 cm)  
P2 - 26" (66.3 cm)  
P3 - 30" (76.5 cm)  
P4 - 40" (102 cm)

**Nominal Surface Area:** P1- 14 sq. ft.  
P2- 26 sq. ft.  
P3 - 30 sq.ft.  
P4 - 40 sq.ft.

## MAXX-IMIZE YOUR EXISTING BAG FILTER HOUSING

Yet again, The Strainrite Companies delivers true filtration innovation! Combining the advantages of Resin Bonded Cartridges, non-compressible media, and enhanced depth filtration, with the proven inside out flow advantages of bag filtration, makes the **VISC-MAXX** the optimum alternative to cartridge filtration.

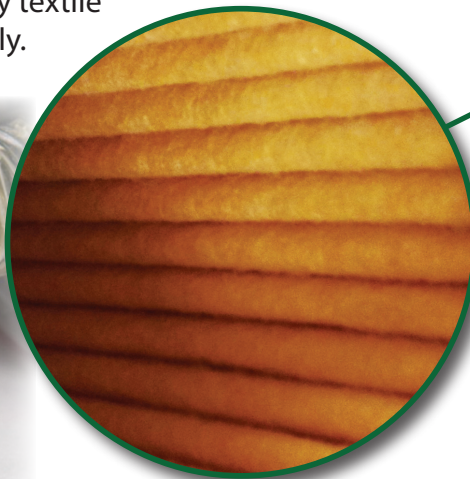
The **VISC-MAXX** utilizes a phenolic treated polyester large fiber material in a gradient density pleat design to create the perfect Resin Bonded filter. Our unique patent protected textile provides unsurpassed gel and particle removal due to maximized surface area and the true non-compressible depth design.



**MAXX-imized throughput**  
**MAXX-imized filtration efficiency**  
**MINI-imized cost per gallon filtered**

### Resin-Bonded

A chronic complaint of conventional Resin Bonded Cartridge users is post-filter fiber migration, which results in compromised product and a need to re-filter. Our proprietary textile eliminates these problems entirely.



### Applications

- Glycols
- Adhesives
- Inks
- Amine
- Paints/Coatings
- Beverages
- Plating Solutions
- Coolants
- Resins
- Cutting Fluids
- Petro-Chemicals
- Cooling Towers
- Down Well Injection
- Fine Chemicals



## Features & Benefits

- No fiber migration due to the utilization of lengthy heat set fibers
- Increased surface area means longer filter life and reduced disposal cost
- Longer filter life reduces labor time associated with change-outs
- Higher productivity due to longer run times
- Gradient density design, preventing premature blinding of final filtration layer
- Thermally bonded end caps eliminate bypass
- One P1 size element replaces (40) 10" equivalent resin bonded cartridges

## Materials of Construction

**Filter Media:** Phenolic treated long-fiber Polyester

**Hardware:** Polypropylene

**Cage:** B - Phenolic Treated Polyester\*  
C - Polypropylene Plastic

**Sealing:** Thermal Bond

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone

*\*P-top and D1 single o-ring top only*

## Dimensions

**Outside Diameter:** 7"

**Nominal Lengths:** P1 - 14"  
P2 - 26"  
P3 - 30"

**Surface Area:** P1 - 12 sq. ft.  
P2 - 23 sq. ft.  
P3 - 26 sq.ft.

## Ordering Information

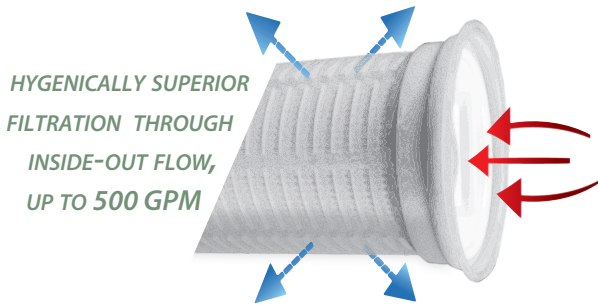
		Example:
<b>Material</b>	VSC-MX VISC-MAXX	VSC-MX
<b>Micron Rating</b>	1T, 1, 5, 10, 25, 50, 75, 100, 200	0.5
<b>Length</b>	P1, P2, P3, P4	P1
<b>Cage Design</b>	C - Plastic PP B - Phenolic Treated Polyester*	C
<b>End Cap Configuration</b>	P - Over-the-top style Z - Z-top style M - Sentinel style C - Commercial style	P
<b>O-ring/Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM S - Silicone	B

*\*P-top and D1 single o-ring top only*

**VSC-MX0.5P1CPB**

## FILTER CARTRIDGES

As a leader in the dynamics of inside-out fluid filtration for over 35 years The Strainrite Companies is proud to add the **Maxx Flow** to our family of large pleat geometry products.



It is well known that inside-out flow elements have higher dirt holding capabilities and offer hygienic superiority over typical outside-in fluid filtration filters.

The **MAXX-Flow** filters unique large pleat geometry makes it capable of handling up to 500gpm in a 60" length, which is a perfect solution for high flow rate applications.



HIGHER FLOW RATES  
GREATER SURFACE AREA  
LONGER SERVICE LIFE

REDUCED PROCESSING TIME  
LESS DOWNTIME  
LOWER OPERATING COSTS

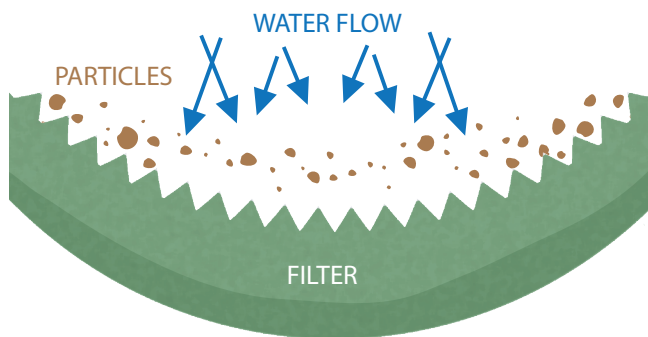


### The MADD-MAXX Advantage

- Small Fiber Diameter
- High Void Area
- 5 to 10 times more surface area than standard filter cartridges

**MADD-MAXX**  
PLEATED FILTER CARTRIDGE

**INSIDE-OUT FLOW**  
INCREASED SURFACE AREA  
LOWER PRESSURE DROP  
LONGER CARTRIDGE LIFE



## Features & Benefits

- Large diameter pleat configuration for high flow rates
- High dirt holding capability due to extensive surface area
- 99% rated filter media for consistent and repeatable performance
- Capable of flow rates up to 500gpm per filter
- Injection molded cage for superior strength and element integrity
- Inside-out filter retains all contaminants inside the filter during change-outs
- Thermally bonded construction
- Available in 20", 40", 60" & 80" lengths

## Maximum Operating Temperature

180°F (82°C) Continuous Duty for up to 35 PSID

## Maximum Flow Rates

- 60" – 500gpm
- 40" – 350gpm
- 20" – 175gpm
- Recommended Change-out pressure – 35psid

## Ordering Information

		Example:
<b>Material</b>	MF - Polypropylene Micro Fiber GF - Borosilicate Micro Glass	GF
<b>Micron Rating</b>	For MF: 0.5, 1, 3, 5, 10, 25, 50 For GF: 0.5, 1, 3, 5, 10, 15	6
<b>Cartridge Style</b>	MF - Maxx Flow	MF
<b>Length</b>	2 = 20" 4 = 40" 6 = 60" 8 = 80"	2
<b>O-ring/ Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM TV - FEP Encapsulated Fluorocarbon S - Silicone	B
<b>Grade</b>	Blank - General 1 - FDA	1

GF6MF2B1

## Pressure Drop Rates

GF Pressure Drop (psid/gpm)			
Micron	20"	40"	60"
2	0.00237	0.00119	0.00079
6	0.00417	0.00208	0.00140
10	0.00368	0.00182	0.00123
20	0.00127	0.00064	0.00043
30	0.00106	0.00053	0.00035

## Micron Ratings

<b>MF</b> - Polypropylene Micro Fiber	2, 4.5, 6, 10, 20, 40, 70, 90
<b>GF</b> - Borosilicate Micro Glass	2, 6, 10, 20, 30

## Materials of Construction

**Filter Media:** Glass & Polypropylene Micro Fiber

**Pleat Support Material:** Polypropylene, Polyester

**End Caps:** Polypropylene

**Molded Cage:** Polypropylene

**Sealing:** Thermally Bonded

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone, FEP Encapsulated Fluorocarbon

## Nominal Dimensions

**Outside Diameter:** 6.75" (17.1 cm)

**Lengths:** 20" (51cm)  
40" (102cm)  
60" (153cm)  
80" (204cm)

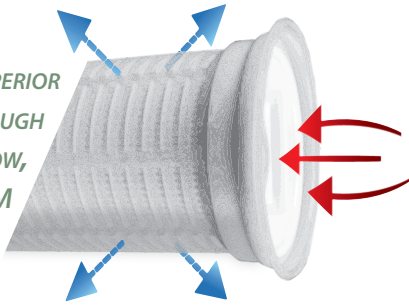
# HIGH-FLOW

M6

## FILTER CARTRIDGES

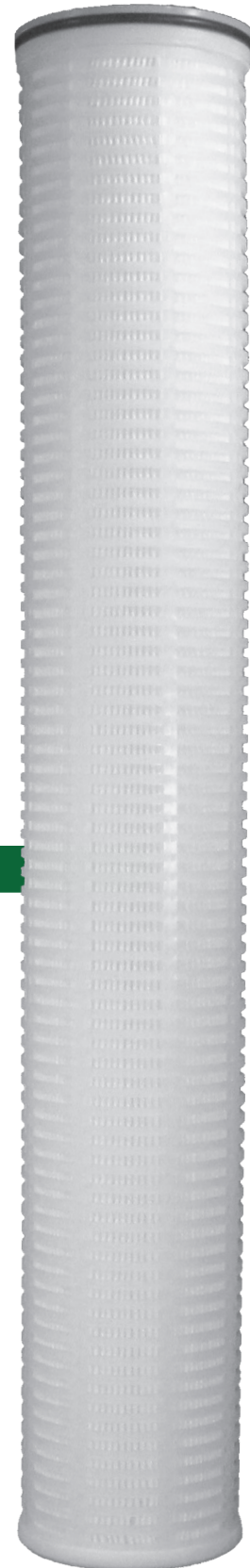
As a leader in the dynamics of inside-out fluid filtration for over 35 years The Strainrite Companies is proud to add the **HIGH Flow** to our family of large pleat geometry products.

HYGENICALLY SUPERIOR  
FILTRATION THROUGH  
INSIDE-OUT FLOW,  
UP TO 500 GPM



It is well known that inside out flow elements have higher dirt holding capabilities and offer hygienic superiority over typical outside-in fluid filtration filters.

The **HIGH Flow** filters unique large pleat geometry makes it capable of handling up to 500gpm in a 60" length, which is a perfect solution for high flow rate applications.



HIGHER FLOW RATES  
GREATER SURFACE AREA  
LONGER SERVICE LIFE

REDUCED PROCESSING TIME  
LESS DOWNTIME  
LOWER OPERATING COSTS

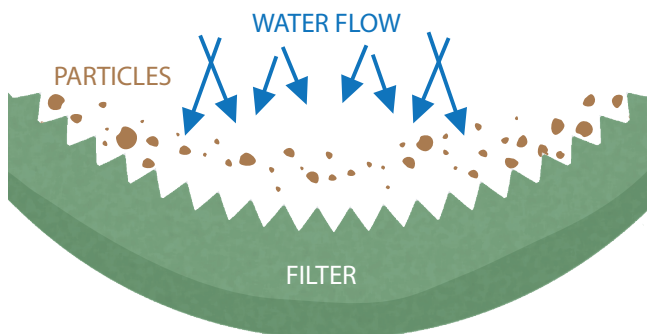


### The MADD-MAXX Advantage

- Small Fiber Diameter
- High Void Area
- 5 to 10 times more surface area than standard filter cartridges

MADD-MAXX  
PLEATED FILTER CARTRIDGE

INSIDE-OUT FLOW  
INCREASED SURFACE AREA  
LOWER PRESSURE DROP  
LONGER CARTRIDGE LIFE



## Features & Benefits

- Large diameter pleat configuration for high flow rates
- High dirt holding capability due to extensive surface area
- 99% rated filter media for consistent and repeatable performance
- Capable of flow rates up to 500gpm per filter
- Injection molded cage for superior strength and element integrity
- Inside-out filter retains all contaminants inside the filter during change-outs
- Thermally bonded construction
- Available in 20", 40", & 60" lengths

## Maximum Operating Temperature

180°F (82°C) Continuous Duty for up to 35 PSID

## Maximum Flow Rates

- 60" – 500gpm
- 40" – 350gpm
- 20" – 175gpm
- Recommended Change-out pressure – 35psid

## Ordering Information

		Example:
<b>Material</b>	MF - Polypropylene Micro Fiber GF - Borosilicate Micro Glass	GF
<b>Micron Rating</b>	For MF: 2, 4.5, 6, 10, 20, 40, 70, 90 For GF: 2, 6, 10, 20, 30	6
<b>Cartridge Style</b>	HF - HIGH Flow	HF
<b>Length</b>	2 = 20" 4 = 40" 6 = 60"	2
<b>O-ring/ Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM TV - FEP Encapsulated Fluorocarbon S - Silicone	B
<b>Grade</b>	Blank - General 1 - FDA	1

GF6HF2B1

## Pressure Drop Rates

GF Pressure Drop (psid/gpm)			
Micron	20"	40"	60"
2	0.00237	0.00119	0.00079
6	0.00417	0.00208	0.00140
10	0.00368	0.00182	0.00123
20	0.00127	0.00064	0.00043
30	0.00106	0.00053	0.00035

## Micron Ratings

<b>MF</b> - Polypropylene Micro Fiber	2, 4.5, 6, 10, 20, 40, 70, 90
<b>GF</b> - Borosilicate Micro Glass	2, 6, 10, 20, 30

## Materials of Construction

**Filter Media:** Glass & Polypropylene Micro Fiber

**Pleat Support Material:** Polypropylene, Polyester

**End Caps:** Polypropylene

**Molded Cage:** Polypropylene

**Sealing:** Thermally Bonded

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone, FEP Encapsulated Fluorocarbon

## Nominal Dimensions

**Outside Diameter:** 6.25" (15.88 cm)

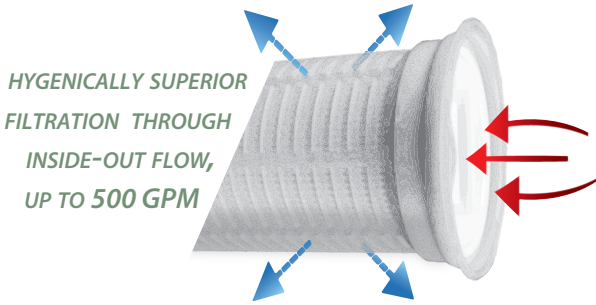
**Lengths:** 20" (51cm)

40" (102cm)

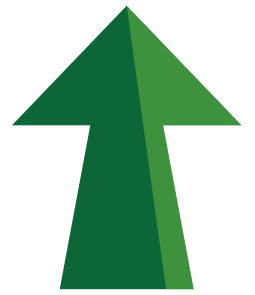
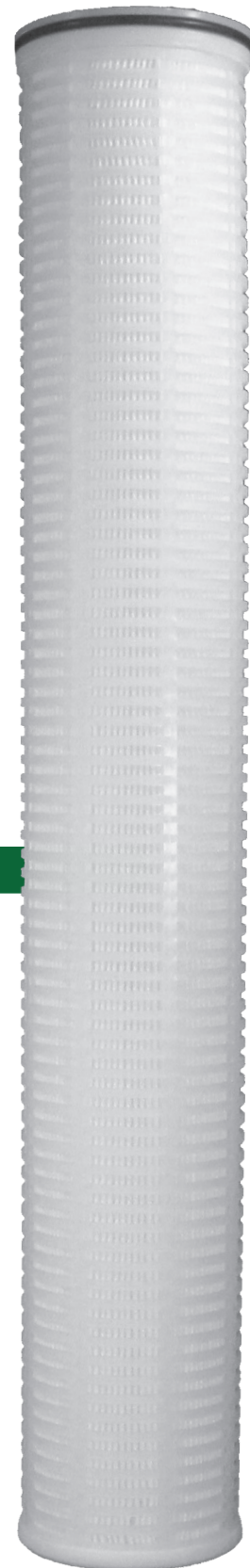
60" (153cm)

## FILTER CARTRIDGES

As a leader in the dynamics of inside-out fluid filtration for over 35 years The Strainrite Companies is proud to add the **MAXX-Trap** to our family of large pleat geometry products. It is well known that inside out flow elements have higher dirt holding capabilities and offer hygienic superiority over typical outside-in fluid filtration filters.



The **MAXX-Trap** filters unique large pleat geometry makes it capable of handling up to 500gpm in a 60" length, which is a perfect solution for high flow rate applications.



HIGHER FLOW RATES  
GREATER SURFACE AREA  
LONGER SERVICE LIFE

REDUCED PROCESSING TIME  
LESS DOWNTIME  
LOWER OPERATING COSTS

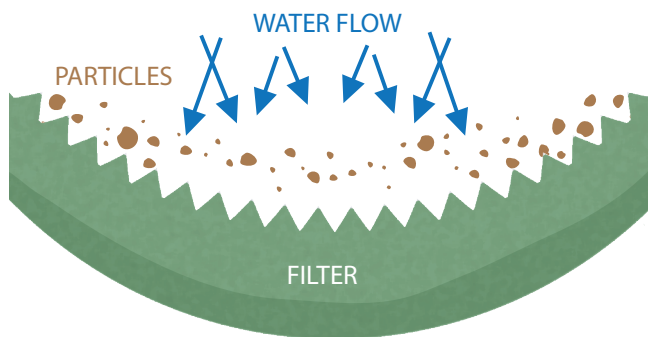


### The MADD-MAXX Advantage

- Small Fiber Diameter
- High Void Area
- 5 to 10 times more surface area than standard filter cartridges

**MADD-MAXX**  
PLEATED FILTER CARTRIDGE

**INSIDE-OUT FLOW**  
INCREASED SURFACE AREA  
LOWER PRESSURE DROP  
LONGER CARTRIDGE LIFE





## Features & Benefits

- High efficiency media provides reliable, consistent and repeatable filtration
- 99% rated filter media for consistent and repeatable performance
- Large diameter pleat configuration for high flow rates
- High dirt holding capability due to extensive surface area requiring fewer filter changeouts
- Capable of flow rates up to 500gpm per filter
- Injection molded cage for superior strength and element integrity
- Inside-out filter retains all contaminants inside the filter during change-outs
- Thermally bonded construction

## Maximum Operating Temperature

180°F (82°C) Continuous Duty for up to 35 PSID

## Maximum Flow Rates

- 60" – 500gpm
- 40" – 350gpm
- 20" – 175gpm
- Recommended Change-out pressure – 35psid

## Ordering Information

		Example:
<b>Material</b>	MF - Polypropylene Micro Fiber GF - Borosilicate Micro Glass	GF
<b>Micron Rating</b>	For MF: 0.25, 0.50, 1, 2.5, 5, 10, 20, 30, 50 For GF: 0.2, 0.5, 1, 3, 5, 10, 15	5
<b>Cartridge Style</b>	MT - MAXX-Trap	MT
<b>Length</b>	2 = 20" 4 = 40" 6 = 60"	2
<b>O-ring/ Envelope Seal</b>	B - Buna N V - Fluorocarbon E - EPDM TV - FEP Encapsulated Fluorocarbon S - Silicone	B
<b>Grade</b>	Blank - General 1 - FDA	1



**GF5MT2B1**

## Micron Ratings

<b>MF</b> - Polypropylene Micro Fiber	0.25, 0.5, 1, 2.5, 5, 10, 20, 30, 50
<b>GF</b> - Borosilicate Micro Glass	0.2, 0.5, 1, 3, 5, 10, 15

## Materials of Construction

- Filter Media:** Borosilicate Micro Fiber & Polypropylene Micro Fiber
- Pleat Support Material:** Polyester
- End Caps:** Polypropylene
- Molded Cage:** Polypropylene
- Sealing:** Thermally Bonded
- O-rings:** Buna N, Fluorocarbon, EPDM, Silicone, FEP Encapsulated Fluorocarbon

## Nominal Dimensions

- Outside Diameter:** 6.75" (17.1 cm)
- Lengths:** 20" (51cm)  
40" (102cm)  
60" (153cm)

## FILTER CARTRIDGES

The Strainrite Companies is proud to add the **MAXX Pro** to our family of large pleat geometry products. The **MAXX Pro** filters are high efficiency, outside to inside flow direction liquid filtration cartridges designed for applications with high contaminant removal requirements.

### Get a Handle on Cost-Effective Filtration

**MAXX Pro** cartridges are for use in filter housings that accept 6.5" (165 mm) outside diameter filter cartridges. The large diameter, pleated depth media cartridge design permits higher flow rates than standard 2.5" diameter filter cartridges resulting in significantly fewer required filter cartridges for a given flow. Microfiber forms the basis of the filtration media utilized in **MAXX Pro** filter cartridges. Strainrite's manufacturing processes allow for tightly controlled specifications resulting in a filter media with consistent and predictable particle retention characteristics. **MAXX Pro** cartridges are offered in micron grades ranging from 1  $\mu\text{m}$  to 70  $\mu\text{m}$ .



### Double O-Ring Seals



- Extremely low risk of by pass for high quality fluids.
- No loose parts to assemble for easy installation, thus less labor cost.
- No springs and caps to lose reduces the risk of by pass.
- Broad chemical compatibility for many applications.
- Convenient handle for easy manual or mechanical removal.



HIGHER FLOW RATES  
GREATER SURFACE AREA  
LONGER SERVICE LIFE

REDUCED PROCESSING TIME  
LESS DOWNTIME  
LOWER OPERATING COSTS



## Features & Benefits

- Large diameter pleat configuration for high flow rates
- High dirt holding capability due to extensive surface area
- 99% rated filter media for consistent and repeatable performance
- Injection molded cage for superior strength and element integrity
- Inside-out filter retains all contaminants inside the filter during change-outs
- Thermally bonded construction
- Available in 40" length

## Maximum Operating Temperature

180°F (85°C) Continuous Duty

## Maximum Flow Rates

- 40" – 40gpm
- Recommended Change-out pressure – 35psid

## Ordering Information

		Example:
Material	MF - Polypropylene Micro Fiber	MF
Micron Rating	1, 2, 5, 10, 15, 25, 40, 70	5
Cartridge Style	MP - MAXX Pro	MP
Length	4 = 40"	4
O-ring/ Envelope Seal	B - Buna N V - Fluorocarbon E - EPDM TV - FEP Encapsulated Fluorocarbon S - Silicone	B
Grade	Blank - General	



**MF5MP4B**

## Micron Ratings

<b>MF-</b> Polypropylene Micro Fiber	1, 2, 5, 10, 15, 25, 40, 70
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## Materials of Construction

**Filter Media:** Polypropylene Micro Fiber

**Pleat Support Material:** Polypropylene, Polyester

**End Caps:** Polypropylene

**Molded Cage:** Polypropylene

**Sealing:** Thermally Bonded

**O-rings:** Buna N, Fluorocarbon, EPDM, Silicone, FEP Encapsulated Fluorocarbon

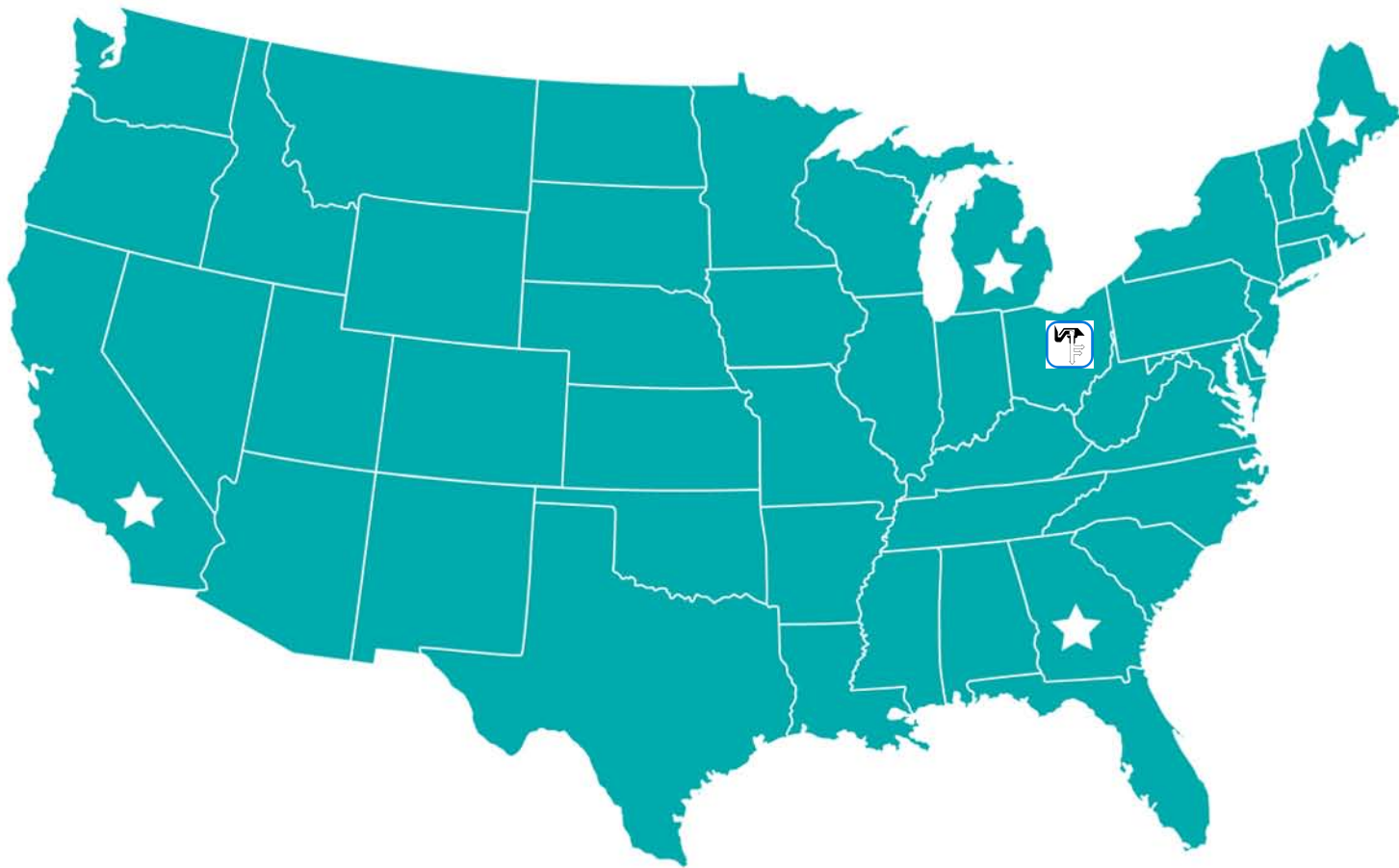
## Nominal Dimensions

**Outside Diameter:** 6.5" (16.5 cm)

**Lengths:** 40" (102cm)

# STRAINRITE

Service and Warehouse Locations



Offering superior technical sales and live customer support.



**Northeast Filter & Equipment Co.**  
135 Parker Court  
Chardon, OH 44024  
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FX: 440-285-0730  
[www.nefilter.com](http://www.nefilter.com)