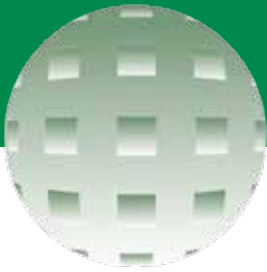




*Cabiya Distributor Corp.*

**Angel Cabiya | CEO**

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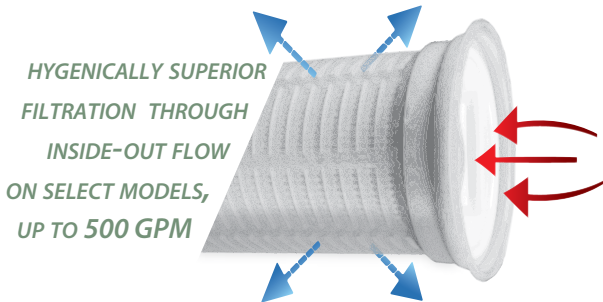


# MADD-MAXX

## LARGE DIAMETER HYBRID FILTERS

MAXX-IMIZE YOUR EXISTING BAG FILTER HOUSING

*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.*

- MAXX-imized throughput**
- MAXX-imized filtration efficiency**
- MAXX-imized savings per gallon filtered**



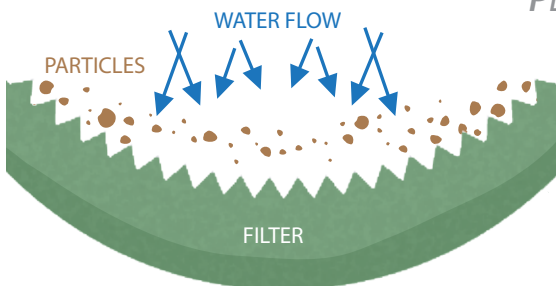
- HIGHER FLOW RATES
- GREATER SURFACE AREA
- LONGER SERVICE LIFE
- REDUCED PROCESSING TIME
- LESS DOWNTIME
- LOWER OPERATING COSTS

### The MADD-MAXX Advantage



- 5 TO 10 TIMES MORE SURFACE AREA THAN STANDARD CARTRIDGES
- SMALL FIBER DIAMETER
- HIGH VOID AREA

### MADD-MAXX PLEATED FILTER CARTRIDGES



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



## Microglass



**MADD-MAXX GF** 74

## Polypropylene



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## Resin-Bonded



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MAXX PRO



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*VISC-MAXX B*



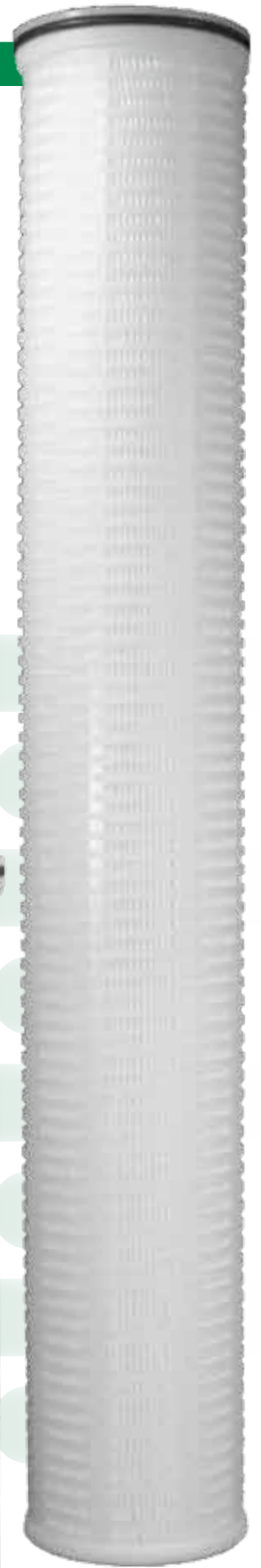
*VISC-MAXX C*



*MADD MAXX*



*MAXX FLOW*



*HIGH FLOW*

# MADD-MAXX GF

Absolute-Rated Microglass Hybrid Elements

- ▶ FOOD AND BEVERAGE
- ▶ DI/RO PREFILTRATION
- ▶ EDIBLE OILS

- ▶ REAGENT GRADE CHEMICALS
- ▶ GENERAL WATER FILTRATION

- ▶ WASTE WATER
- ▶ AMINE FLUIDS
- ▶ GLYCOL FLUIDS

Strainrite's 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. MADD-MAXX GF filter elements increase filtration efficiency of any existing bag filter vessel versus conventional filter bags.

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.\* Our standard elements utilize an epoxy binder, providing the MADD-MAXX with a greater range of chemical compatibility in a wider range of applications.



- ▶ 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
- ▶ WIDE CHEMICAL COMPATIBILITY
- ▶ MAXIMUM PLEAT DESIGN COUPLED WITH NON-CALENDERED MICROFIBER MATRIX OFFERS GREATER SURFACE AREA, ENSURING LONGER SERVICE LIFE, LESS DOWNTIME, AND REDUCED OPERATING COSTS PER ELEMENT
- ▶ STANDARD GRADE UTILIZES AN EPOXY BINDER, FDA GRADE UTILIZES AN ACRYLIC BINDER\*
- ▶ THERMALLY BONDED CONSTRUCTION, ELIMINATING PARTICLE BYPASS

*\*FDA grade available upon special request for certain micron ratings; please inquire with Strainrite customer service for more information.*

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the MADD-MAXX GF, the following vessel types are most commonly used:

SRX—PAGE 136

SRHD—PAGE 138

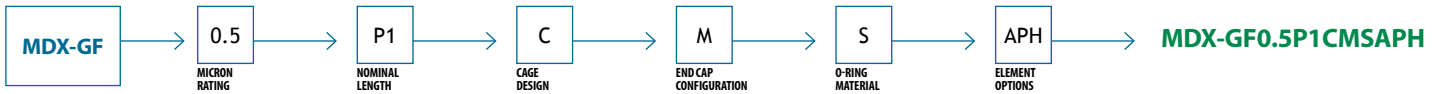
SRID—PAGE 140

SRMX—PAGE 136

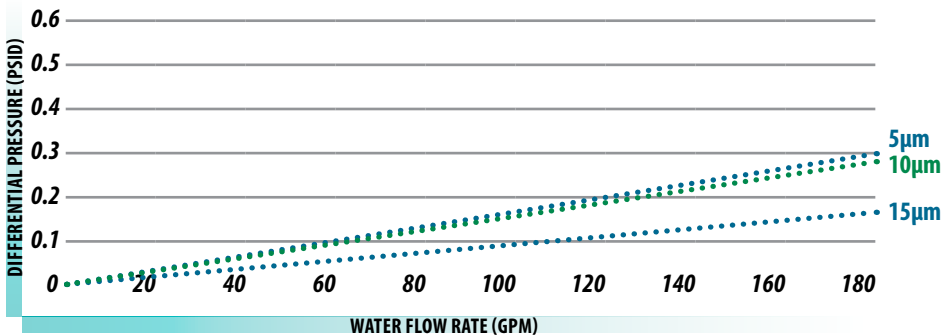
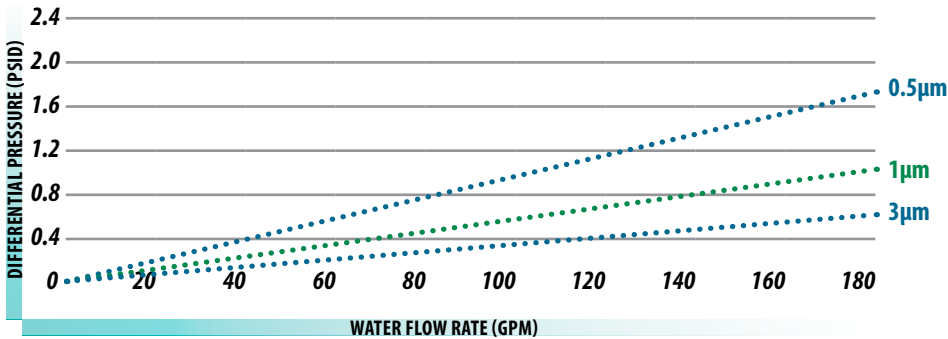
SRMB—PAGE 144

As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE



<b>MICRON RATING</b>			
0.5, 1, 3, 5, 10, 15			
<b>MAXIMUM OPERATING TEMPERATURE</b>			
180°F (82°C) Continuous Duty Polypropylene		300°F (149°C) Continuous Duty Polyester	
<b>FILTER MEDIA</b>	<b>HARDWARE</b>	<b>SUPPORT MATERIAL</b>	<b>CAGE</b>
Borosilicate Microglass	Polypropylene Polyester	Polyester	Polypropylene Polyester
<b>O-RINGS</b>			
Buna N   Fluorocarbon   EPDM   Silicone			
<b>CONSTRUCTION METHOD</b>			
Thermal Bond			
<b>NOMINAL TOP OUTSIDE DIAMETER</b>			
6.5" - 7.5"			
<b>NOMINAL SURFACE AREA</b>			
P1 - 17 square feet   P2 - 40 square feet   P3 - 46 square feet   P4 - 60 square feet			
<b>NOMINAL LENGTHS</b>			
P1 - 12" (30.5 cm)   P2 - 26" (66.3 cm)   P3 - 30" (76.5 cm)   P4 - 40" (102 cm)			
<b>PERFORMANCE CHARACTERISTICS</b> P4 FILTER			



## ORDER OPTIONS

ELEMENT	
MDX-GF	Madd-MAXX GF
MICRON RATINGS	
0.5, 1, 3, 5, 10, 15	
CARTRIDGE LENGTH	
P1	12" (30.5 cm)
P2	26" (66.3 cm)
P3	30" (76.5 cm)
P4	40" (102 cm)
CAGE DESIGN	
C	Plastic Polypropylene
END CAP CONFIGURATION	
P	P-Flange Top
S	S-Top with O-ring
M	M-Flange Top
C	C-Top with O-ring*
<small>*All Polyester Hardware not available</small>	
O-RING MATERIAL	
S	Silicone (Standard O-ring)
B	Buna N (Standard gasket)
V	Fluorocarbon
E	EPDM
ELEMENT OPTIONS	
APH	All Polyester Hardware



# MADD-MAXX MF

Absolute-Rated Polypropylene Hybrid Elements

- ▶ FOOD AND BEVERAGE
- ▶ DI/RO PREFILTRATION
- ▶ EDIBLE OILS

- ▶ REAGENT GRADE CHEMICALS
- ▶ GENERAL WATER FILTRATION

- ▶ WASTE WATER
- ▶ AMINE FLUIDS
- ▶ GLYCOL FLUIDS

Strainrite's MADD-MAXX MF filters are engineered for critical high purity applications, optimizing throughput while maintaining an absolute rated performance that is consistent and reliable. 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.

This element combines the advantages of typical bag filtration, ease of use, and exceptional dirt holding capacity with the high efficiency and performance of cartridge filtration. The inside-out flow design ensures that unwanted contaminants stay inside the element during change out, 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.



- ▶ 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
- ▶ 100% POLYPROPYLENE, FDA COMPLIANT WITH CFR 21
- ▶ THERMALLY BONDED END CAPS
- ▶ SINGLE O-RING SEAL ENSURES A HERMETIC SEAL FOR HIGH PURITY APPLICATIONS
- ▶ MAXIMUM PLEAT DESIGN FOR GREATER SURFACE THAT ENSURES LONGER SERVICE LIFE, LESS DOWNTIME, AND REDUCED OPERATING COSTS PER ELEMENT
- ▶ LOWER PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the MADD-MAXX MF, the following vessel types are most commonly used:

SRX—PAGE 136

SRHD—PAGE 138

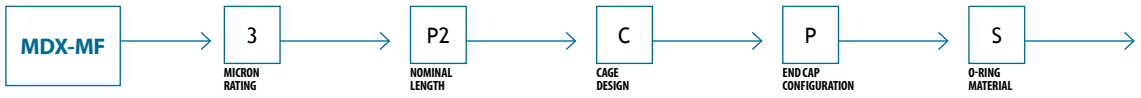
SRID—PAGE 140

SRMX—PAGE 136

SRMB—PAGE 144

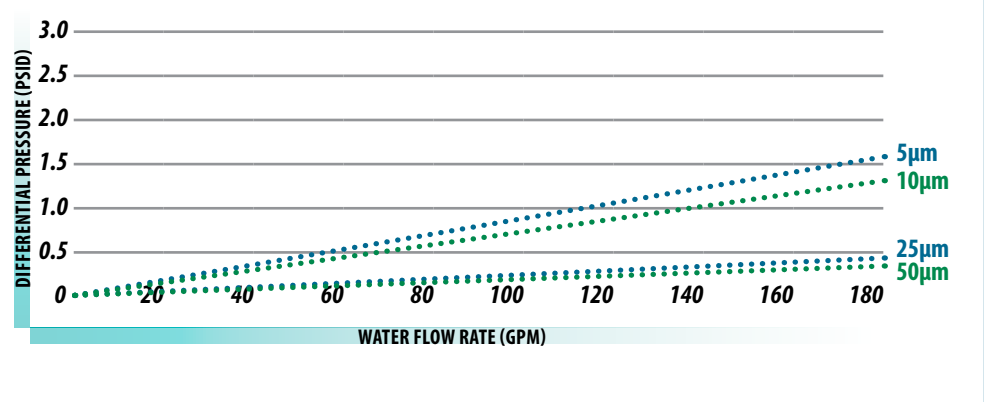
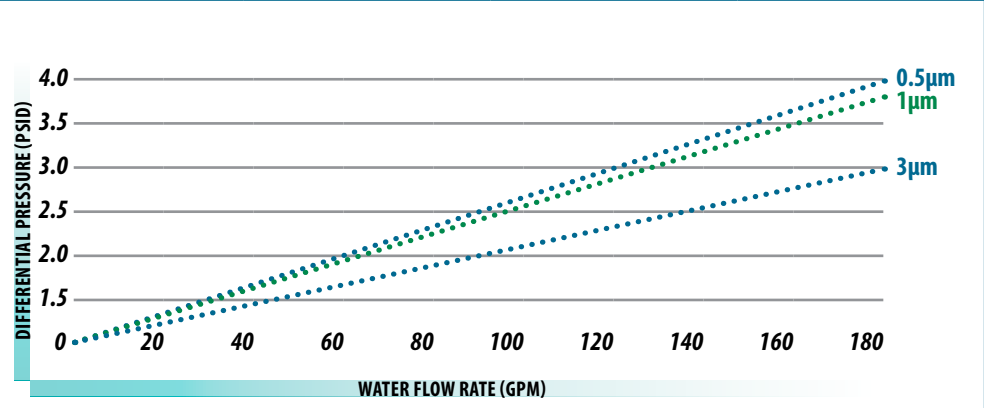
As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE



**MDX-MF3P2CPS**

MICRON RATING			
0.5, 1, 3, 5, 10, 25, 50			
MAXIMUM OPERATING TEMPERATURE			
180°F (82°C) Continuous Duty			
FILTER MEDIA	HARDWARE	SUPPORT MATERIAL	CAGE
Polypropylene Microfiber	Polypropylene	Polypropylene	Polypropylene
O-RINGS			
Buna N   Fluorocarbon   EPDM   Silicone			
CONSTRUCTION METHOD			
Thermal Bond			
NOMINAL TOP OUTSIDE DIAMETER			
6.5" - 7.5"			
NOMINAL SURFACE AREA			
P1 - 17 square feet   P2 - 40 square feet   P3 - 46 square feet   P4 - 60 square feet			
NOMINAL LENGTHS			
P1 - 12" (30.5 cm)   P2 - 26" (66.3 cm)   P3 - 30" (76.5 cm)   P4 - 40" (102 cm)			
PERFORMANCE CHARACTERISTICS P2 FILTER			



## ORDER OPTIONS

ELEMENT	
MDX-GF	Madd-MAXX GF
MICRON RATINGS	
0.5, 1, 3, 5, 10, 25, 50	
CARTRIDGE LENGTH	
P1 P2 P3 P4	12" (30.5 cm) 26" (66.3 cm) 30" (76.5 cm) 40" (102 cm)
CAGE DESIGN	
C	Plastic Polypropylene
END CAP CONFIGURATIONS	
P S M C	P-Flange Top S-Top with O-ring M-Flange Top C-Top with O-ring
O-RING MATERIAL	
S B V E	Silicone (Standard O-ring) Buna N (Standard gasket) Fluorocarbon EPDM



Strainrite's Aqua-MAXX [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 Composite 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 an Aqua-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. All materials of construction meet or exceed the requirements of CFR 21 for Food and Beverage contact.



- ▶ COMPLIES WITH ANSI/NSF STANDARD 53; MEETS THE REQUIREMENTS OF USP PLASTIC CLASS VI
- ▶ 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
- ▶ MAXIMUM FLOW RATES OF 50 GPM
- ▶ LOWER PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME
- ▶ MAXIMUM PLEAT DESIGN FOR GREATER SURFACE THAT ENSURES LONGER SERVICE LIFE, LESS DOWNTIME, AND REDUCED OPERATING COSTS PER ELEMENT
- ▶ THERMALLY BONDED END CAPS
- ▶ DOUBLE 261 O-RING SEAL ENSURES A HERMETIC SEAL FOR CRITICAL HIGH PURITY APPLICATIONS
- ▶ COMPLIANT WITH FDA 21 CFR

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the AQUA-MAXX, the following vessel types are most commonly used:

#### AQ2—PAGE 150

As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE

AQMX

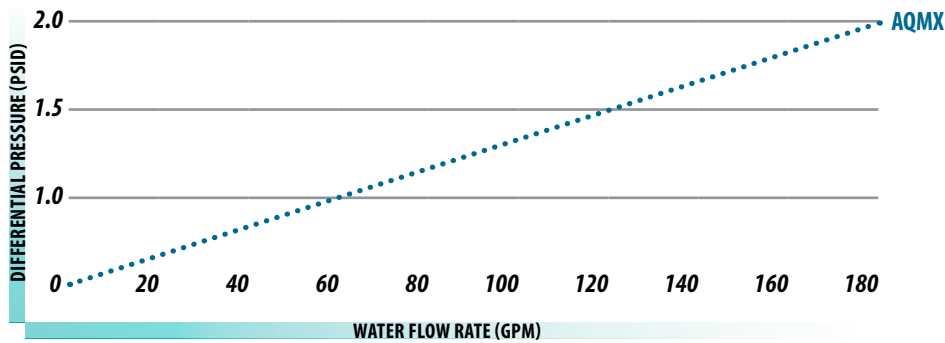
PFA

FILTER

AQMX-PFA

<b>MAXIMUM FLOW RATE</b>	
50 gpm	
<b>MAXIMUM OPERATING TEMPERATURE</b>	
180°F (82°C) Continuous Duty	
<b>FILTER MEDIA</b>	<b>SUPPORT MATERIAL</b>
Composite Polypropylene Microfiber	Polypropylene
<b>HARDWARE</b>	<b>CAGE</b>
Polypropylene	Polypropylene
<b>O-RINGS</b>	<b>CONSTRUCTION METHOD</b>
EPDM	Thermal Bond
<b>NOMINAL TOP OUTSIDE DIAMETER</b>	<b>NOMINAL LENGTHS</b>
7"	30" (76.5 cm)

### PERFORMANCE CHARACTERISTICS



### ORDER OPTIONS

ELEMENT	
AQMX	Aqua-MAXX
FILTER	
PFA FFA	Primary Filter (pre-filter) Secondary Filter (final filter)

# MADD-MAXX XL

Polypropylene Felt Hybrid Elements

- ▶ FOOD AND BEVERAGE
- ▶ DI/RO PREFILTRATION
- ▶ EDIBLE OILS

- ▶ REAGENT GRADE CHEMICALS
- ▶ GENERAL WATER FILTRATION

- ▶ WASTE WATER
- ▶ AMINE FLUIDS
- ▶ GLYCOL FLUIDS

Strainrite's **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 a single O-ring postive seal, resulting in the most reliable, and versatile filters available.



- ▶ INCREASED SURFACE AREA OFFERS HIGHER FLOW CAPACITY IN EXISTING APPLICATIONS
- ▶ LOWER INITIAL DIFFERENTIAL PRESSURE, REDUCING FILTRATION COSTS, DUE TO LONGER ELEMENT LIFE
- ▶ SINGLE O-RING SEALING FLANGE FOR INCREASED EFFICIENCY
- ▶ THERMALLY BONDED END CAPS ELIMINATING BYPASS
- ▶ INTERNAL POLYMERIC PLEAT SEPARATOR TO ASSURE FULL UTILIZATION OF THE ENTIRE PLEAT SURFACE AREA

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the MADD-MAXX XL, the following vessel types are most commonly used:

**SRHD—PAGE 138**

**SRID—PAGE 140**

**SRMB—PAGE 144**

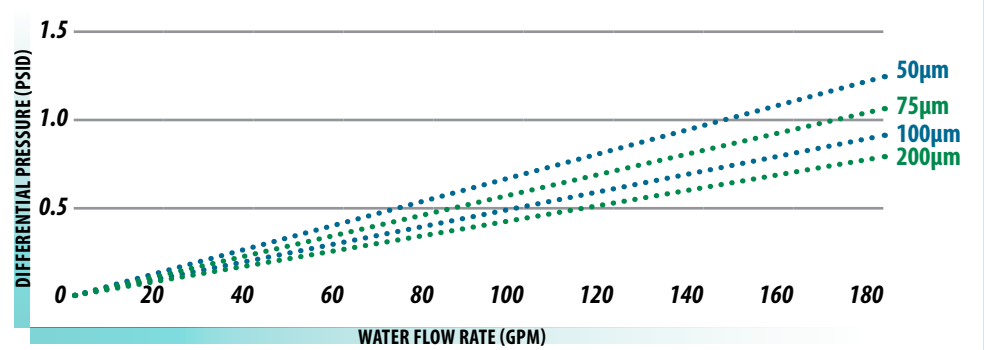
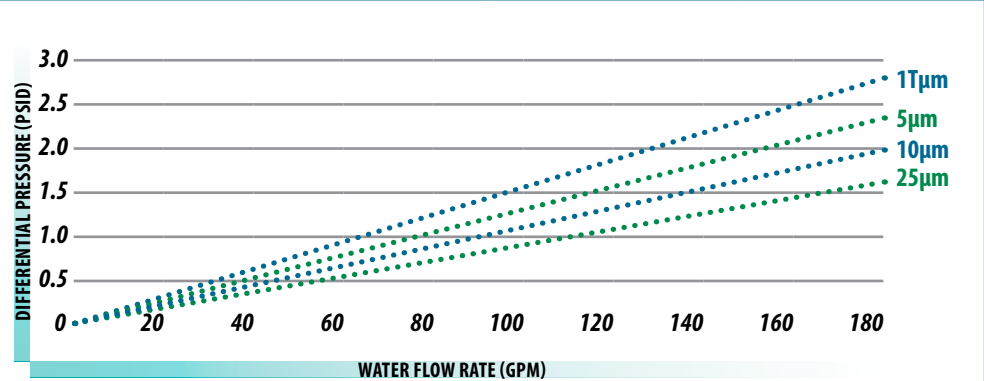
**SRVB—PAGE 142**

As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE



MICRON RATING			
1T, 1, 5, 10, 25, 50, 75, 100, 200			
MAXIMUM OPERATING TEMPERATURE			
180°F (82°C) Continuous Duty			
FILTER MEDIA	HARDWARE	SUPPORT MATERIAL	CAGE
Polypropylene Felt	Polypropylene	Polypropylene	Polypropylene Rigid Resin Bonded Felt
O-RINGS			
Buna N   Fluorocarbon   EPDM   Silicone			
CONSTRUCTION METHOD			
Thermal Bond			
NOMINAL TOP OUTSIDE DIAMETER			
6.75" - 7.45"			
NOMINAL SURFACE AREA			
P1 - 8 square feet   P2 - 18 square feet   P3 - 22 square feet   P4 - 30 square feet			
NOMINAL LENGTHS			
P1 - 12" (30.5 cm)   P2 - 26" (66.3 cm)   P3 - 30" (76.5 cm)   P4 - 40" (102 cm)			
PERFORMANCE CHARACTERISTICS P2 FILTER			



## ORDER OPTIONS

ELEMENT	
MDXL-SP	Madd-MAXX XL
MICRON RATINGS	
1T, 1, 5, 10, 25, 50, 75, 100, 200	
CARTRIDGE LENGTH	
P1 P2 P3 P4	12" (30.5 cm) 26" (66.3 cm) 30" (76.5 cm) 40" (102 cm)
CAGE DESIGN	
C	Plastic Polypropylene
END CAP CONFIGURATIONS	
P S M C	P-Flange Top S-Top with O-ring M-Flange Top C-Top with O-ring
O-RING MATERIAL	
S B V E	Silicone (Standard O-ring) Buna N (Standard gasket) Fluorocarbon EPDM

# Clari-MAXX

Multi-Layer Polypropylene Micro Fiber Hybrid Elements

▶ FOOD AND BEVERAGE  
▶ INK AND PAINT  
▶ POTABLE WATER

▶ COATINGS  
▶ CHEMICALS  
▶ ELECTRONICS

Strainrite continues its tradition of state-of-the-art advanced filtration innovation with the **Clari-MAXX**, a unique polypropylene depth filter that utilizes long strand small and large diameter fibers to provide a high solids loading, absolute-rated, pleated depth filter. This binder-free depth media is excellent for removing gels and offers five times the surface area compared with industry standard non-pleated depth filters. The increased surface area provides higher flow rates at reduced pressure, and results in increased filter life.

The Clari-MAXX Advantage:



Our 100% polypropylene construction provides an excellent range of chemical compatibility for your most demanding applications. All polypropylene construction materials are CFR 21 listed for direct food contact, which makes this filter ideal for a broad range of applications.

- 5 times more surface area than standard filters
- Small Fiber Diameter
- High Solids-Holding Volume

- ▶ EXQUISITELY CONTROLLED, STATE OF THE ART 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
- ▶ THERMALLY BONDED END CAPS
- ▶ DIRECT REPLACEMENT FOR PALL MARKSMAN™
- ▶ LOWER PRESSURE DROPS YIELD HIGHER FLOW RATES AND REDUCED PROCESSING TIME
- ▶ MAXIMUM PLEAT DESIGN FOR GREATER SURFACE THAT ENSURES LONGER SERVICE LIFE, LESS DOWNTIME, AND REDUCED OPERATING COSTS PER ELEMENT
- ▶ SINGLE O-RING SEAL ENSURES A HERMETIC SEAL FOR HIGH PURITY APPLICATIONS
- ▶ 100% POLYPROPYLENE, FDA COMPLIANT WITH CFR 21
- ▶ CUSTOM LENGTH OPTIONS TO ACCOMMODATE EXISTING BASKETS

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the CLARI-MAXX, the following vessel types are most commonly used:

**SRHD**—PAGE 138

**SRID**—PAGE 140

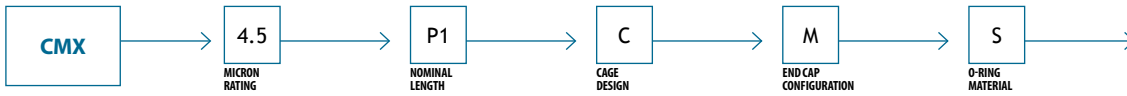
**SRMB**—PAGE 144

**SRVB**—PAGE 142

As always, discuss your options with your local sales representative to find the best fit for your application.

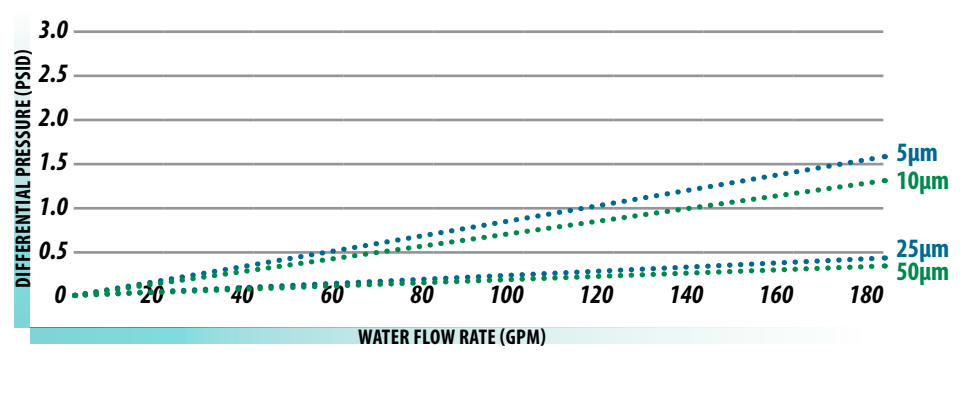
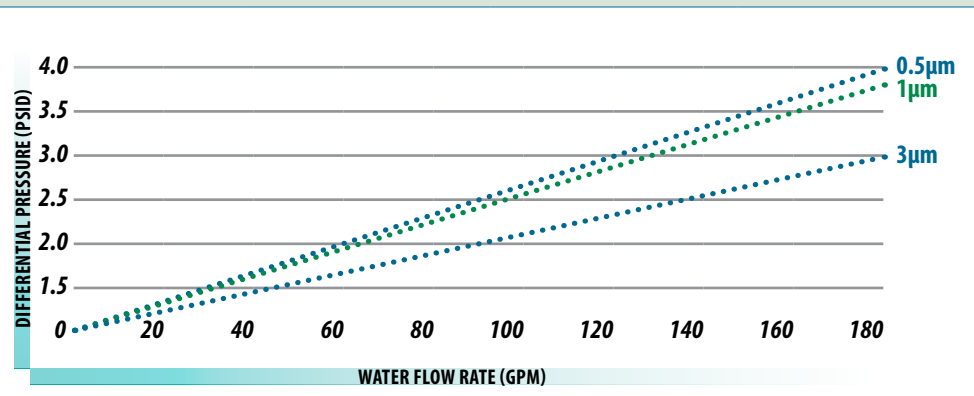


# ORDER GUIDE



**CMX4.5P1CMS**

<b>MICRON RATING</b>			
1.5, 3, 4.5, 10, 20, 30, 70			
<b>MAXIMUM OPERATING TEMPERATURE</b>		<b>RECOMMENDED CHANGE-OUT</b>	
180°F (82°C) Continuous Duty		35 psid	
<b>FILTER MEDIA</b>	<b>END CAPS</b>	<b>SUPPORT MATERIAL</b>	<b>MOLDED CAGE</b>
Multi-Layer Polypropylene Microfiber	Polypropylene	Polypropylene	Polypropylene
<b>O-RINGS</b>			
Buna N   Fluorocarbon   EPDM   Silicone			
<b>CONSTRUCTION METHOD</b>			
Thermal Bond			
<b>OUTSIDE DIAMETER</b>			
6" (15.2 cm)			
<b>NOMINAL SURFACE AREA</b>			
P1 - 12 square feet   P2 - 23 square feet   P3 - 26 square feet   P4 - 48 square feet			
<b>NOMINAL LENGTHS</b>			
P1 - 14" (35.7 cm)   P2 - 26" (66.3 cm)   P3 - 30" (76.5 cm)   P4 - 40" (102 cm)			
<b>PERFORMANCE CHARACTERISTICS</b> P2 FILTER			



## ORDER OPTIONS

ELEMENT	
CMX	Clari-MAXX
MICRON RATINGS	
1.5, 3, 4.5, 10, 20, 30, 70	
CARTRIDGE LENGTH	
P1 P2 P3 P4	14" (35.7 cm) 26" (66.3 cm) 30" (76.5 cm) 40" (102 cm)
CAGE DESIGN	
C	Plastic Polypropylene
END CAP CONFIGURATIONS	
P S M C	P-Flange Top S-Top with O-ring M-Flange Top C-Top with O-ring
O-RING MATERIAL	
S B V E	Silicone Buna N Fluorocarbon EPDM

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.

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. Cages can be designed with specific applications in mind. Choices include polypropylene, polyester and phenolic-treated polyester.



- ▶ 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

#### NEED A VESSEL FOR YOUR CARTRIDGES?

For the VISC-MAXX, the following vessel types are most commonly used:

**SRHD—PAGE 138**

**SRID—PAGE 140**

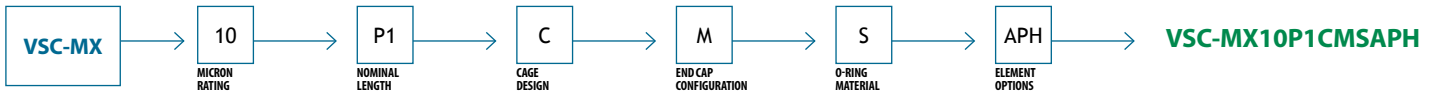
**SRMB—PAGE 144**

**SRVB—PAGE 142**

As always, discuss your options with your local sales representative to find the best fit for your application.

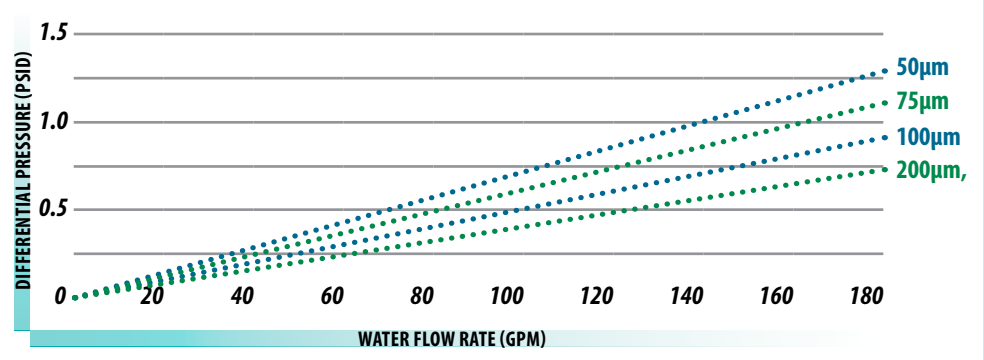
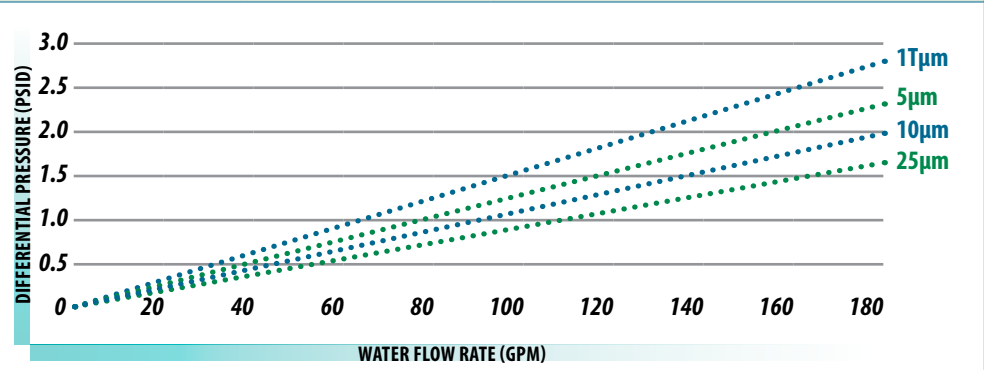


# ORDER GUIDE



<b>MICRON RATING</b>		
1T, 1, 5, 10, 25, 50, 75, 100, 200		
<b>MAXIMUM OPERATING TEMPERATURE</b>		
170°F (77°C) Continuous Duty Polypropylene		250°F (121°C) Continuous Duty Polyester
<b>FILTER MEDIA</b>	<b>HARDWARE</b>	<b>CAGE</b>
Phenolic treated long-fiber Polyester	Polypropylene Polyester	Polypropylene Polyester (P-Flange top and M-Flange top only)
<b>O-RINGS</b>		
Buna N   Fluorocarbon   EPDM   Silicone		
<b>CONSTRUCTION METHOD</b>		
Thermal Bond		
<b>NOMINAL TOP OUTSIDE DIAMETER</b>		
6.75" - 7.45"		
<b>NOMINAL SURFACE AREA</b>		
P1 - 8 square feet   P2 - 18 square feet   P3 - 22 square feet   P4 - 30 square feet		
<b>NOMINAL LENGTHS</b>		
P1 - 12" (30.5 cm)   P2 - 26" (66.3 cm)   P3 - 30" (76.5 cm)   P4 - 40" (102 cm)		

**PERFORMANCE CHARACTERISTICS P2 FILTER**



## ORDER OPTIONS

ELEMENT	
VSC-MF	Visc-MAXX
MICRON RATINGS	
1T, 1, 5, 10, 25, 50, 75, 100, 200	
CARTRIDGE LENGTH	
P1	12" (30.5 cm)
P2	26" (66.3 cm)
P3	30" (76.5 cm)
P4	40" (102 cm)
CAGE DESIGN	
C	Plastic Polypropylene Polyester*
E	
*P-Flange Top, M-Flange Top only	
END CAP CONFIGURATION	
P	P-Flange Top
S	S-Top with O-ring
M	M-Flange Top
C	C-Top with O-ring*
*All Polyester Hardware not available	
O-RING MATERIAL	
S	Silicone (Standard O-ring)
B	Buna N (Standard gasket)
V	Fluorocarbon
E	EPDM
ELEMENT OPTIONS	
APH	All Polyester Hardware

# MAXX-FLOW

Housing-Specific Hybrid Elements - 6.75" OD  
Borosilicate Microglass or Polypropylene Microfiber

▶ 6.75" OD HOUSING

MAXX-Flow filters are engineered for critical high purity applications by optimizing throughput while maintaining absolute rated performance that is both predictable and repeatable. Our polypropylene 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. 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.

Designed to best fit Strainrite's SMF (vertical) and HSMF (horizontal) housing, this hybrid filter easily works with most standard 6.75" outside diameter housing.



- ▶ **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**
- ▶ **THERMALLY BONDED CONSTRUCTION**
- ▶ **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**

#### NEED A VESSEL FOR YOUR CARTRIDGES?

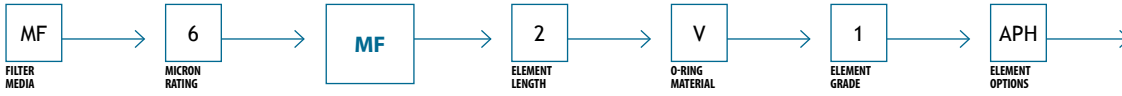
For the MAXX-FLOW, the following vessel types are most commonly used:

**SMF—PAGE 148**

**HSMF—PAGE 148**

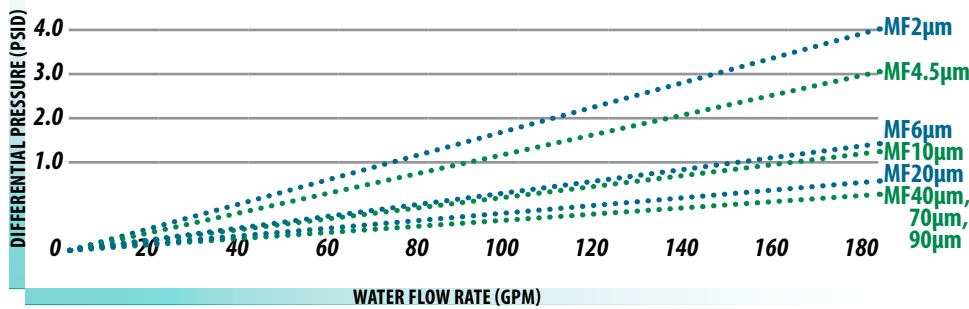
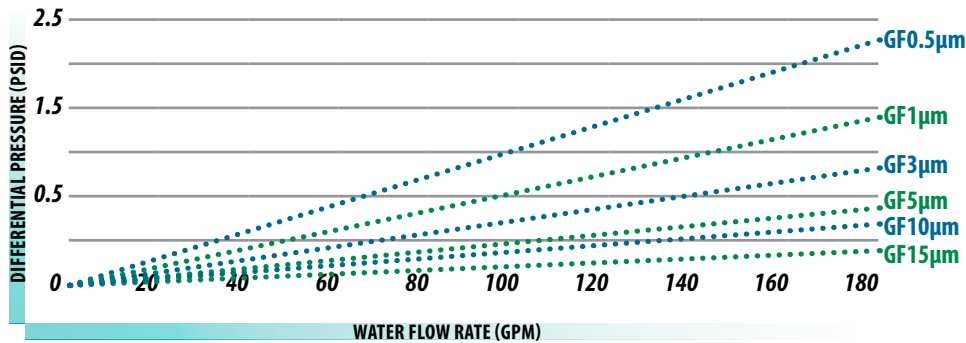
As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE



**MF6MF2V1APH**

<b>MICRON RATING</b>			
MF - 2, 4.5, 6, 10, 20, 40, 70, 90 GF - 2, 6, 10, 20, 30			
<b>MAXIMUM OPERATING TEMPERATURE</b>			
180°F (82°C) Continuous Duty			
<b>MAXIMUM FLOW RATES</b>		<b>RECOMMENDED CHANGE-OUT</b>	
20" - 175 gpm   40" - 350 gpm   60" - 500 gpm		35 psid	
<b>FILTER MEDIA</b>	<b>END CAPS</b>	<b>SUPPORT MATERIAL</b>	<b>MOLDED CAGE</b>
Borosilicate Microglass Polypropylene Microfiber	Polypropylene Polyester	Polypropylene Polyester	Polypropylene Polyester
<b>O-RINGS</b>			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Silicone			
<b>CONSTRUCTION METHOD</b>			
Thermal Bond			
<b>NOMINAL TOP OUTSIDE DIAMETER</b>			
6.75" (17.1 cm)			
<b>LENGTHS</b>			
20" (50.8 cm)   40" (101.6 cm)   60" (152.4 cm)   80" (203.2 cm)			
<b>PERFORMANCE CHARACTERISTICS</b> 40" FILTER			



## ORDER OPTIONS

FILTER MEDIA	
MF GF	Polypropylene Microfiber Borosilicate Microglass
MICRON RATINGS	
MF: 2, 4.5, 6, 10, 20, 40, 70, 90 GF: 2, 6, 10, 20, 30	
ELEMENT	
MF	MAXX-Flow
ELEMENT LENGTH	
2 4 6 8	20" (50.8 cm) 40" (101.6 cm) 60" (152.4 cm) 80" (203.2 cm)
O-RING MATERIAL	
S B V E TV	Silicone (Standard O-ring) Buna N (Standard gasket) Fluorocarbon EPDM FEP Encapsulated Fluoro.
ELEMENT GRADE	
- 1	General FDA Grade
ELEMENT OPTIONS	
APH	All Polyester Hardware

# MAXX-TRAP

Housing-Specific Hybrid Elements - 6.75" OD

High-Solids Loading Microglass/Polypropylene Microfiber

▶ 6.75" OD HOUSING

Strainrite continues its tradition of state-of-the-art advanced filtration innovation with the **MAXX-Trap**, a continuous, high-solids loading (HSL) hybrid, that utilizes long strand small and large diameter fibers to provide a high solids loading, absolute-rated, pleated depth filter.

Designed to best fit Strainrite's SMF (vertical) and HSMF (horizontal) housing, this hybrid filter easily works with most standard 6.75" outside diameter housing. The binder-free depth media is excellent for removing gels and offers more than twice the surface area compared with industry standard non-pleated depth filters.

The increased surface area provides higher flow rates at reduced pressure, resulting in increased filter life. Our 100% polypropylene construction provides an excellent range of compatibility for your most demanding applications.

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



- ▶ **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**
- ▶ **CAPABLE OF FLOW RATES UP TO 500GPM PER FILTER**
- ▶ **INJECTION MOLDED CAGE FOR SUPERIOR STRENGTH AND ELEMENT INTEGRITY**
- ▶ **THERMALLY BONDED CONSTRUCTION**
- ▶ **HIGH DIRT HOLDING CAPABILITY DUE TO EXTENSIVE SURFACE AREA REQUIRING FEWER FILTER CHANGEOUTS**
- ▶ **INSIDE-OUT FILTER RETAINS ALL CONTAMINANTS INSIDE THE FILTER DURING CHANGE-OUTS**

#### NEED A VESSEL FOR YOUR CARTRIDGES?

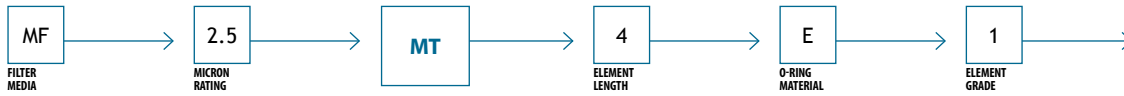
For the MAXX-TRAP, the following vessel types are most commonly used:

**SMF—PAGE 148**

**HSMF—PAGE 148**

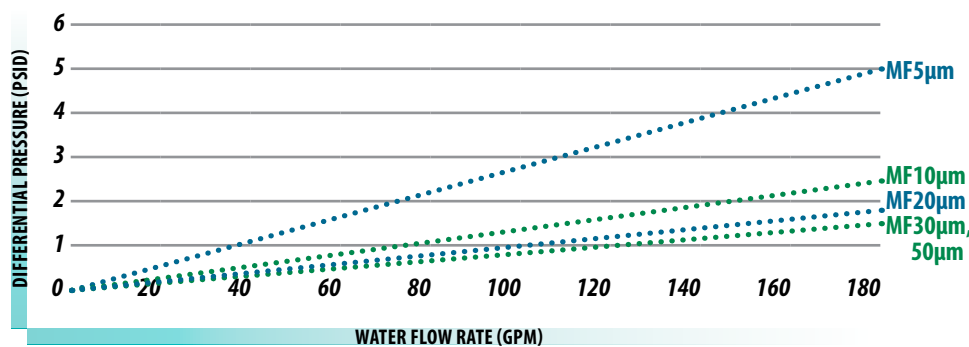
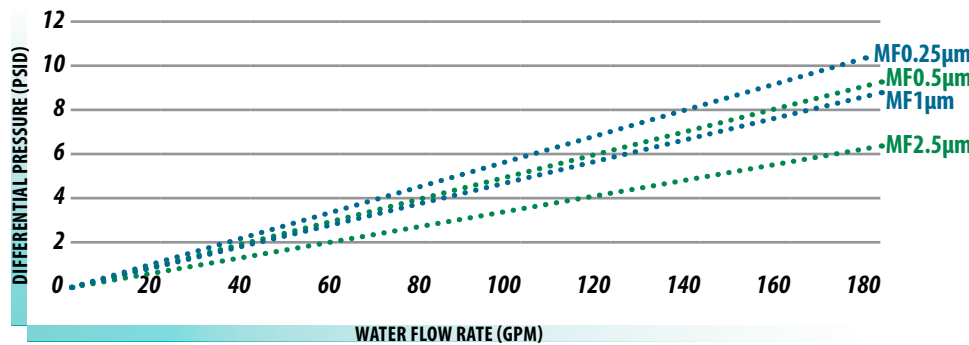
As always, discuss your options with your local sales representative to find the best fit for your application.

# ORDER GUIDE



**MF2.5MT4E1**

MICRON RATING			
MF - 0.25, 0.5, 1, 2.5, 5, 10, 20, 30, 50 GF - 0.2, 0.5, 1, 3, 5, 10, 15			
MAXIMUM OPERATING TEMPERATURE			
180°F (82°C) Continuous Duty			
MAXIMUM FLOW RATES		RECOMMENDED CHANGE-OUT	
20" - 175 gpm   40" - 350 gpm   60" - 500 gpm		35 psid	
FILTER MEDIA	END CAPS	SUPPORT MATERIAL	MOLDED CAGE
Borosilicate Microglass Polypropylene Microfiber	Polypropylene	Polypropylene Polyester	Polypropylene
O-RINGS			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Silicone			
CONSTRUCTION METHOD			
Thermal Bond			
NOMINAL TOP OUTSIDE DIAMETER			
6.75" (17.1 cm)			
LENGTHS			
20" (50.8 cm)   40" (101.6 cm)   60" (152.4 cm)			
PERFORMANCE CHARACTERISTICS POLYPROPYLENE 40" FILTER			



## ORDER OPTIONS

FILTER MEDIA	
MF GF	Polypropylene Microfiber Borosilicate Microglass
MICRON RATINGS	
MF - 0.25, 0.5, 1, 2.5, 5, 10, 20, 30, 50 GF - 0.2, 0.5, 1, 3, 5, 10, 15	
ELEMENT	
MT	MAXX-Trap
ELEMENT LENGTH	
2 4 6	20" (50.8 cm) 40" (101.6 cm) 60" (152.4 cm)
O-RING MATERIAL	
S B V E TV	Silicone (Standard O-ring) Buna N (Standard gasket) Fluorocarbon EPDM FEP Encapsulated Fluoro.
ELEMENT GRADE	
- 1	General FDA Grade

# MAXX-PRO

Housing-Specific Hybrid Elements - 6.5" OD

Outside-In Polypropylene Microfiber with 226 O-rings

- ▶ AMINES
- ▶ HYDROCARBON
- ▶ CHEMICAL PLANTS
- ▶ PIPELINE FUELS

- ▶ PROCESS WATER
- ▶ WASTE WATER
- ▶ UTILITY WATER
- ▶ COOLING WATER

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. These filters are a direct replacement for the 3M 740™ series and others.



HF 338 end cap

**MAXX-Pro** cartridges are for use in filter housings that accept 6.5" (165 mm) outside diameter filter cartridges with 226 O-ring connections. The large diameter, ultra high surface area pleated cartridges are designed to provide the optimum combination of particle removal efficiency and contaminant holding capability with comparatively low flow resistance. 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 µm to 70 µm, and are typically used to remove solid contaminants.

740™ is a trademark of the 3M Corporation.

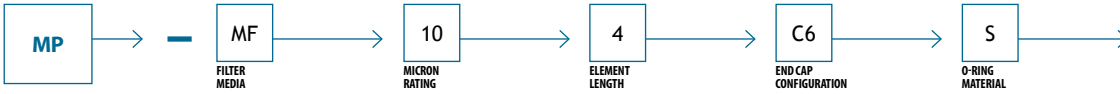
- ▶ **LARGE DIAMETER PLEAT CONFIGURATION FOR HIGH FLOW RATES**
- ▶ **HIGH DIRT HOLDING CAPABILITY DUE TO EXTENSIVE SURFACE AREA**
- ▶ **99% RATED FILTER MEDIA FOR CONSISTENT AND REPEATABLE PERFORMANCE**
- ▶ **INJECTION MOLDED CAGE FOR SUPERIOR STRENGTH AND ELEMENT INTEGRITY**
- ▶ **THERMALLY BONDED CONSTRUCTION**
- ▶ **VARIABLE PLEAT GEOMETRY ENSURES MAXIMIZED USABLE SURFACE AREA**

#### MAXX-PRO 226 O-RING

- ▶ **EXTREMELY LOW RISK OF BY PASS FOR HIGH QUALITY FLUIDS**
- ▶ **NO LOOSE PARTS TO ASSEMBLE FOR EASY INSTALLATION**
- ▶ **NO SPRINGS OR CAPS TO LOSE REDUCES THE RISK OF BY PASS**
- ▶ **BROAD CHEMICAL COMPATIBILITY FOR MANY APPLICATIONS**
- ▶ **CONVENIENT HANDLE FOR EASY REMOVAL**

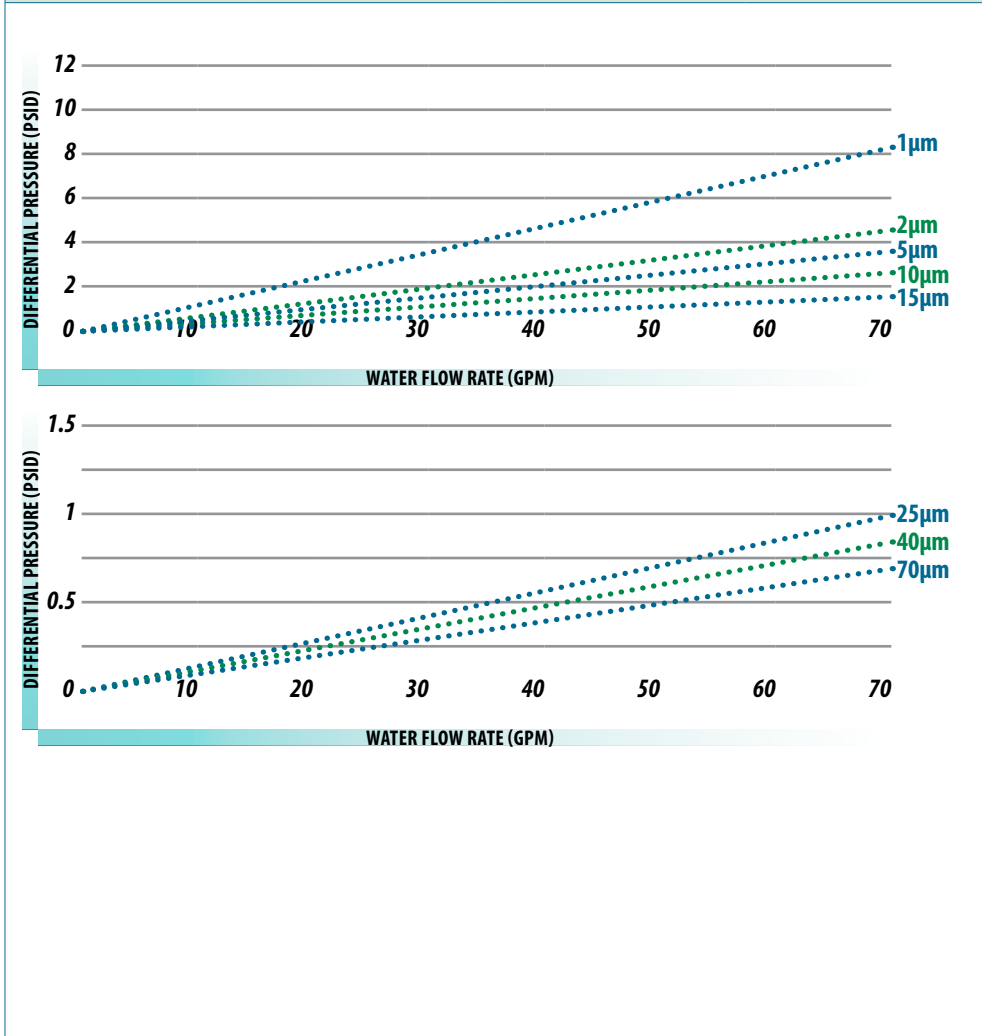


# ORDER GUIDE



**MP-MF104C6S**

MICRON RATING			
1, 2, 5, 10, 15, 25, 40, 70			
MAXIMUM OPERATING TEMPERATURE			
180°F (82°C) Continuous Duty			
MAXIMUM FLOW RATES		RECOMMENDED CHANGE-OUT	
40" - 60-80 gpm		35 psid	
FILTER MEDIA	END CAPS	SUPPORT MATERIAL	MOLDED CAGE
Polypropylene Microfiber	Polypropylene	Polypropylene Polyester	Polypropylene
O-RINGS			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Silicone			
CONSTRUCTION METHOD			
Thermal Bond			
NOMINAL TOP OUTSIDE DIAMETER			
6.5" (16.5 cm)			
LENGTHS			
40" (101.6 cm)   60" (152.4 cm; consult factory for availability)			
PERFORMANCE CHARACTERISTICS			



## ORDER OPTIONS

FILTER MEDIA	
MP	MAXX-Pro
ELEMENT	
MF	Polypropylene Microfiber
MICRON RATINGS	
1, 2, 5, 10, 15, 25, 40, 70	
ELEMENT LENGTH	
4	40" (101.6 cm)
6	60" (152.4 cm)*
*Consult factory for availability	
END CAP CONFIGURATION	
CF	Flat/224
C6	Flat/226
HF	Flat/338
O-RING MATERIAL	
S	Silicone (Standard O-ring)
B	Buna N (Standard gasket)
V	Fluorocarbon
E	EPDM
TV	FEP Encapsulated Fluoro.
TS	FEP Encapsulated Silicone*
*Not available in 338/Flat (HF)	



# HIGH-FLOW

Housing-Specific Hybrid Elements - 6.25" OD  
Borosilicate Microglass or Polypropylene Microfiber

▶ 6.25" OD HOUSING

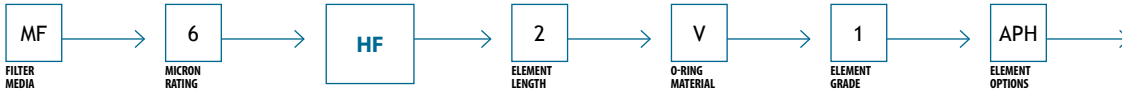
As a leader in the dynamics of inside-out fluid filtration for over 35 years The Strainrite Companies is proud to add the **HIGH-Flow** to our family of large pleat geometry products. It is well known that inside out flow elements have higher dirt holding capabilities and offer hygienic superiority over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

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

- ▶ **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**
- ▶ **THERMALLY BONDED CONSTRUCTION**
- ▶ **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**
- ▶ **AVAILABLE IN 20", 40", 60" & 80" LENGTHS**

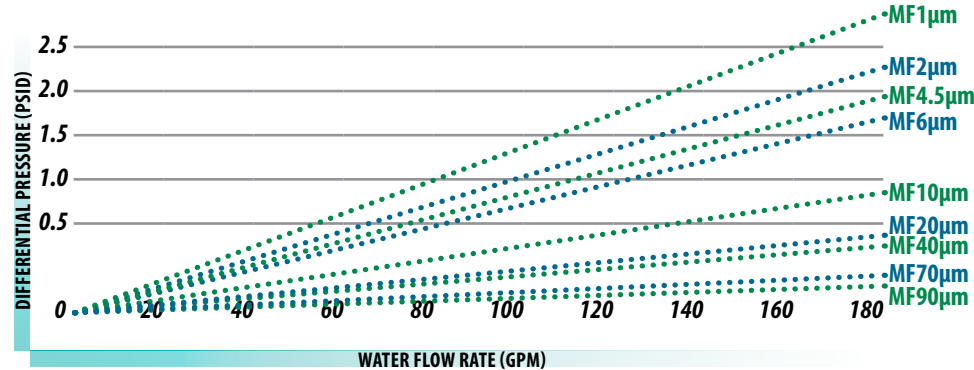
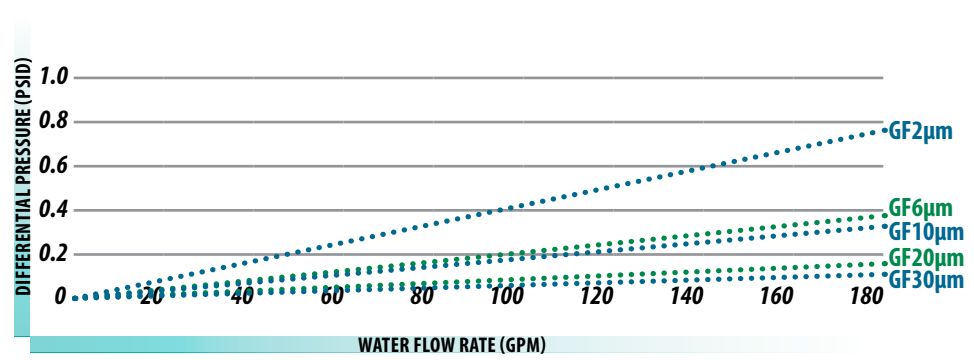


# ORDER GUIDE



**MF6HF2V1APH**

MICRON RATING			
MF - 1, 2, 4.5, 6, 10, 20, 40, 70, 90 GF - 2, 6, 10, 20, 30			
MAXIMUM OPERATING TEMPERATURE			
180°F (82°C) Continuous Duty			
MAXIMUM FLOW RATES		RECOMMENDED CHANGE-OUT	
20" - 175 gpm   40" - 350 gpm   60" - 500 gpm		35 psid	
PRESSURE DROP RATES (PSID/GPM)			
MICRON	20"	40"	60"
2	0.00637	0.00419	0.00279
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
FILTER MEDIA	END CAPS	SUPPORT MATERIAL	MOLDED CAGE
Borosilicate Microglass Polypropylene Microfiber	Polypropylene Polyester	Polypropylene Polyester	Polypropylene Polyester
O-RINGS			
Buna N   Fluorocarbon   EPDM   Silicone   FEP Encapsulated Silicone			
CONSTRUCTION METHOD			
Thermal Bond			
NOMINAL TOP OUTSIDE DIAMETER			
6.25" (15.88 cm)			
LENGTHS			
20" (50.8 cm)   40" (101.6 cm)   60" (152.4 cm)   80" (203.2 cm)			
PERFORMANCE CHARACTERISTICS 40" FILTER			



## ORDER OPTIONS

FILTER MEDIA	
MF GF	Polypropylene Microfiber Borosilicate Microglass
MICRON RATINGS	
MF - 1, 2, 4.5, 6, 10, 20, 40, 70, 90 GF - 2, 6, 10, 20, 30	
ELEMENT	
HF	High-Flow
ELEMENT LENGTH	
2 4 6 8	20" (50.8 cm) 40" (101.6 cm) 60" (152.4 cm) 80" (203.2 cm)
O-RING MATERIAL	
S B V E TV	Silicone (Standard O-ring) Buna N (Standard gasket) Fluorocarbon EPDM FEP Encapsulated Fluoro.
ELEMENT GRADE	
- 1	General FDA Grade
ELEMENT OPTIONS	
APH	All Polyester Hardware

