

# MAXX-Cap

## Single-Use / Multi-Use Ultrapure Polypropylene Capsules

▪ Ophthalmics

▪ High Value Products

▪ Ultrapure Chemical  
▪ Food & Beverage Processing Ink

▪ Bio-pharmaceutical  
▪ Bio-technology

The Strainrite **MAXX-Cap** capsule is made of ultrapure polypropylene using FDA compliant materials. The **MAXX-Cap** was designed for single-use and multi-use applications. Strainrite's depth filters and our complete line of membranes can be installed in our proprietary capsule design.

Our proprietary design utilizes an inlet and outlet vent for confident start up and safe efficient processing. Strainrite offers a wide array of materials from the innovative SG to our charged modified CN as well as absolute and nominal media like polypropylene and microglass. Strainrite capsules will also accept our sterile air and vent product line, the Vent Maxx and Vent Rite.

**MAXX-Cap** is available in sizes from 5" to 40". Strainrite offers the advantages of a capsule with low internal void space, that reduces valuable product loss by reducing your process costs. All Strainrite capsules are adaptable for use with sanitary fittings that can be autoclaved. Strainrite **MAXX-Cap** capsules may be integrated into existing capsule applications.

Made of 100% polypropylene, Strainrite's capsule design incorporates thermal bonding. Thermal bonding provides an integral fit that requires no glues, binders, surfactants or adhesives. This design ensures low extractable filtrate when incorporated with our low extractable 100% clean room manufactured cartridges.

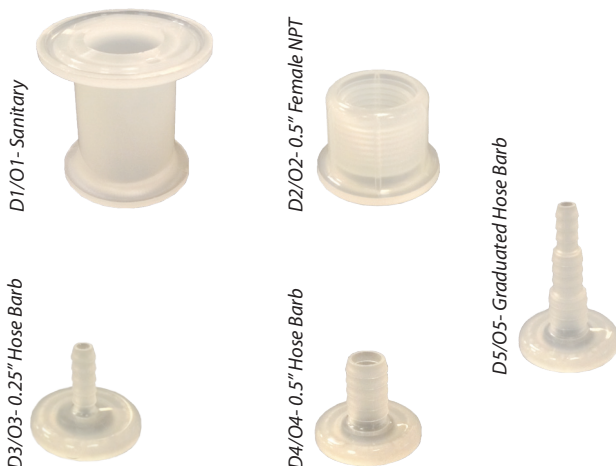


## Features & Benefits

### MAXX-Cap

- Reliable non-fiber releasing materials
- No additives or glue
- All materials of construction are FDA compliant with CFR Title 21
- Thermally bonded construction without the use of adhesives or binders, resulting in lower extractables
- High strength design allowing for extended use and multi-autoclave cycles

## Inlet/Outlet Designs



## Specifications

### Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty

### Toxicity

Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact

### Sterilization

Autoclave: May be autoclaved 3 times for 60 minutes.  
Not in line steam sterilizable.

### Packaging Economy

Bulk packaging in case quantities  
to reduce material disposal:

5 inch	Individually Boxed - 6 case/9 case quantity
10 inch	Individually Boxed - 6 case/12 case quantity
20 inch	Individually Boxed - 6 case quantity
30 inch	Individually Boxed - 6 case quantity
40 inch	Individually Boxed

## Materials of Construction

### Membrane Media

Polyethersulfone  
Polysulfone  
Nylon

### Pleated Depth Media

Borosilicate Microglass  
Polypropylene Microfiber

### Pleat Support Material

Polypropylene  
Polyester

### Capsule Hardware

Polypropylene

### End Caps

Polypropylene

### Cage/Core

Polypropylene

### Cartridge Seals

Buna N  
Fluorocarbon  
EPDM  
Silicone  
FEP Encapsulated Fluorocarbon  
FEP Encapsulated Silicone

### Sealing

Thermal Bond

### Capsule Vent Seals

Buna N  
Fluorocarbon  
EPDM  
Silicone  
Perfluorocarbon (K)  
*available on request*

## Dimensions

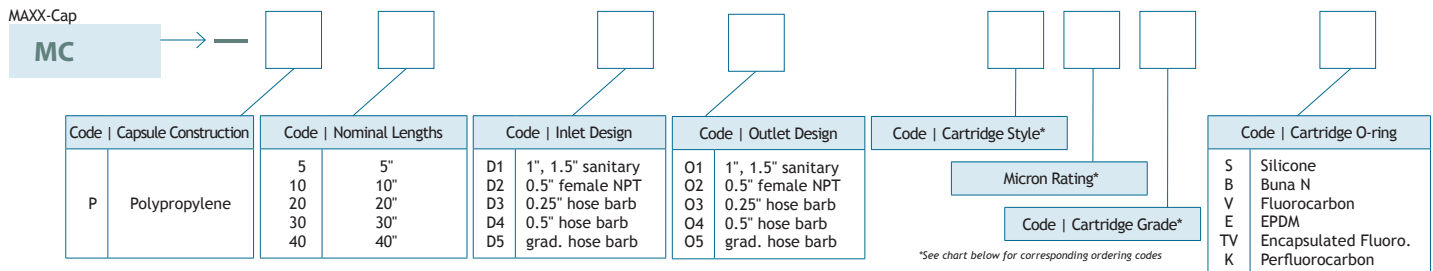
### Outside Diameter

3.5" (6.87cm)

### Nominal Lengths

5" (12.7cm), 10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)

## Ordering Information



Code   Cartridge Style*	Micron Rating*	Code   Cartridge Grade*		
PRMXE (Pur-MAXX E)	0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	- (General)	1 (FDA Grade)	2 (Pharmaceutical) 5 (Water)
PRMXS (Pur-MAXX S)	0.03, 0.05, 0.10, 0.2, 0.45, 0.65	- (General)	1 (FDA Grade)	5 (Water)
PRMXN (Pur-MAXX N)	0.1, 0.2, 0.45, 0.65, 0.8, 1.2	- (General)	1 (FDA Grade)	2 (Pharmaceutical) 5 (Water)
PRMXCN (Pur-MAXX CN)	0.04, 0.1, 0.2, 0.45, 0.65, 0.8, 1.2	- (General)	1 (FDA Grade)	2 (Pharmaceutical) 5 (Water)
PRMXT (Pur-MAXX T)	0.1, 0.2	- (General)		2 (Pharmaceutical)
PRMXCN (Pur-MAXX C)	0.1, 0.2, 0.45, 0.65, 0.8, 1.2	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
DMX (Duo-MAXX)	<i>Many options available; please contact customer service or inquire with a sales representative to learn more.</i>			
PMX (Poly-MAXX)	1, 1.5, 2.5, 5, 10, 15, 20, 40, 70	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
PMXG (Poly-MAXX G)	0.25, 0.5, 1, 2.5, 5, 8, 12, 20, 30, 50	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
SPMX (Poly-MAXX Select)	1, 1.5, 3, 5, 10, 15, 20, 40, 70, 90	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
FMX (Fiber-MAXX)	0.8, 0.9*, 1, 2*, 3, 5, 10, 15* <i>*Not Available in FDA Grade</i>	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
FMXG (Fiber-MAXX G)	0.2, 0.45, 0.65, 1, 5, 10	- (General)	1 (FDA Grade)	2 (Pharmaceutical)
CPP (Continuous Pleat)	0.2, 0.5, 1, 2.5, 5, 10, 15, 20, 40, 70	- (General)		5 (Water)
HSLP (Continuous Pleat High Solids Loading)	1, 2.5, 5, 10, 15, 20, 25, 35, 70, 90, 120	- (General)	1 (FDA Grade)	
CFP (Continuous Fiber Pleat)	0.25, 0.45, 0.65, 1, 5, 10	- (General)	1 (FDA Grade)	
BVM (Bev-MAXX)	0.2, 0.45, 0.65			N/A
BVR (Bev-Rite)	0.2, 0.45, 0.65, 0.8			N/A
GR (Guard-Rite)	561, 562, 563, 568		1 (FDA Grade)	
VNXE (Vino-MAXX E)	0.45, 0.65			N/A
TR (Trap-Rite)	1, 5, 10	- (General)	1 (FDA Grade)	
PRMXE (Pur-MAXX E SG)	0.2			SG (Sterilizing Grade)
EDXCN (Endo-MAXX CN)	0.1, 0.2			N/A
IKP (Ink Jet IKP)	0.3, 0.5, 1, 3, 5, 10, 15, 20, 40, 70, 90			N/A
IKS (Ink Jet Select)	0.3, 0.5, 1, 3, 5, 10, 15, 20, 40, 70, 90			N/A
IKG (Ink Jet IKG)	0.5, 1, 3, 6, 10, 20, 40			N/A
PESE (PES-E)	50, 100, 200, 450, 650, 800, 1200 <i>Nanometer ratings</i>			E (Electronics)
VM (Vent-MAXX)	N/A			2 (Pharmaceutical)
VR (Vent-Rite)	N/A			2 (Pharmaceutical)