

MAXX-Cap

Single-Use / Multi-Use Ultrapure Polypropylene Capsules

- ▶ ULTRAPURE CHEMICAL
- ▶ BIO-PHARMACEUTICAL
- ▶ HIGH VALUE PRODUCTS
- ▶ BIO-TECHNOLOGY
- ▶ OPHTHALMICS
- ▶ FOOD AND BEVERAGE PROCESSING INKS

ORDER GUIDE



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.

D1/O1 - Sanitary



D2/O2 - 1/2" Female NPT



D3/O3 - 1/4" Hose Barb



D4/O4 - 1/2" Hose Barb



D5/O5 - Graduated Hose Barb



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.

- ▶ 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



MAXIMUM PRESSURE			
70 psi @ 70°F (21.1°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		20 inch - Individually Boxed - 6 case quantity	
10 inch - Individually Boxed - 6 case / 12 case quantity		30 inch - Individually Boxed - 6 case quantity	
40 inch - Individually Boxed			
MEMBRANE MEDIA	PLEATED DEPTH MEDIA	PLEAT SUPPORT MATERIAL	CAPSULE HARDWARE
Polyethersulfone Polysulfone Nylon	Borosilicate Microglass Polypropylene Microfiber	Polypropylene Polyester	Polypropylene
END CAPS	CARTRIDGE SEALS		
Polypropylene	Buna N Fluorocarbon EPDM Silicone		
CAGE/CORE	CAPSULE VENT SEALS		
Polypropylene	Buna N Fluorocarbon EPDM Silicone		
OUTSIDE DIAMETER		CONSTRUCTION METHOD	
3.5" (8.89cm)		Thermal Bond	
NOMINAL LENGTHS			
5 inch (12.7 cm) 10 inch (25.4 cm) 20 inch (50.8 cm) 30 inch (76.2 cm) 40 inch (102 cm)			

ORDER OPTIONS

CAPSULE	
MC	MAXX-Cap
NOMINAL LENGTHS	
5, 10, 20, 30, 40	
INLET DESIGN	
D1	1", 1.5" sanitary
D2	0.5" female NPT
D3	0.25" hose barb
D4	0.5" hose barb
D5	0.25" / 0.375" / 0.5" stepped hose barb
OUTLET DESIGN	
O1	1", 1.5" sanitary
O2	0.5" female NPT
O3	0.25" hose barb
O4	0.5" hose barb
O5	0.25" / 0.375" / 0.5" stepped hose barb
CARTRIDGE STYLE MICRON RATING CARTRIDGE GUIDE	
See Inset Chart For Available Options	
CARTRIDGE O-RING	
S	Silicone
B	Buna N
V	Fluorocarbon
E	EPDM
GI	Gamma Irradiation*

*Available only for Pur-Maxx E SG

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