

MAXGUARD Large Diameter Filter Cartridges

- liquid filters
- polypropylene and cellulose

MAXGUARD high capacity cartridge product line provides a cost effective alternative to bag media or standard 2-1/2 inch cartridges for high flow applications. Each MAXGUARD cartridge has a 6" (152 mm) nominal outside diameter and can handle flows up to 20cu m/hr, significantly reducing the number of cartridges required for large flow applications.

MAXGUARD cartridges are available in polypropylene, cellulose and Nomex media. All cartridges feature an industry standard 226 positive o-ring seal and easy-to-grasp integrated handle.

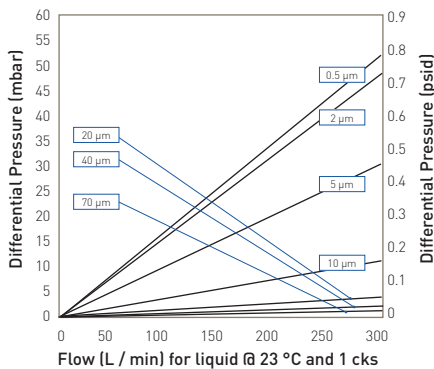
All cartridges have absolute retention ratings (beta = 5000) ideal for critical applications.

Features and Benefits

- High flow capacity means fewer cartridges and reduced labour costs associated with change-out
- Heavy wall core ensures superior strength
- Integrated handle makes change-outs, fast easy and safe
- Positive 226 O-ring seal assures filtration integrity



Performance Characteristics



40" Size (1016 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: Polypropylene
Cellulose
Nomex
- Support Layers: Polypropylene
(MXGP and MXGC)
- Support Core: Polypropylene
(MXGP and MXGC)
Stainless Steel (MXGN)

Filtration Rating

99.98% at specified micron rating

Maximum Operating Conditions MXGP and MXGC

Max Temperature: 80°C at 2.1 bar

Max Pressure: 4.8 bar at 25°C
2.1 bar at 80°C

MXGN

Max Temperature: 220°C at 2.1 bar
Max Pressure: 4.8 bar at 25°C (Forward)
2.1 bar at 80°C (Forward)
3.4 bar at 25°C (Reverse)

Max Flow Rate: 350 L / min per 40"

Flow Characteristics

MAXGUARD filters are capable of filtering 340 L/min.

Recommended Operating Conditions

Change-out Pressure: 2.4 bar

Retention Characteristics

Cartridge Code	Micron Rating at Various Efficiencies				
	99.8%	99.9%	99%	98%	95%
CELLULOSE					
MXGC020	2	1.6	0.4	0.2	>0.1
MXGC100	10	6	1.4	0.5	>0.2
MXGC150	15	11	3	1.5	>0.6
MXGC700	70	53	8.5	3	>0.5
POLYPROPYLENE					
MXGP005	0.5	0.4	0.2	>0.2	>0.1
MXGP020	2	1.4	0.4	0.2	>0.1
MXGP050	5	3.8	1.2	0.3	>0.1
MXGP100	10	7	3	0.9	>0.2
MXGP200	20	18	5	2	>0.2
MXGP400	40	23	18	8	>0.7
NOMEX					
MXGN1000	100	91	83	64	35

Applications

- Amines
- Commercial water
- Industrial wash waters

Ordering Information

MXGP				SM
Filter Media	Code Micron	Code Length	Code Seal Material	Endcap Configuration
Polypropylene	005 0.5 µm 020 2.0 µm 050 5.0 µm 100 10.0 µm 200 20.0 µm 400 40.0 µm	30 30" (750 mm) 40 40" (1016 mm)	E EPR N Buna-N V Viton* S Silicone T PFA / Viton	226 O-Ring / Flat Cap w / handle
MXCG				SM
Filter Media	Code Micron	Code Length	Code Seal Material	Endcap Configuration
Cellulose	020 2.0 µm 100 10.0 µm 150 15.0 µm 700 70.0 µm	30 30" (750 mm) 40 40" (1016 mm)	E EPR N Buna-N V Viton* S Silicone T PFA / Viton	226 O-Ring / Flat Cap w / handle
MXGN	1000			SM
Filter Media	Code Micron	Code Length	Code Seal Material	Endcap Configuration
Nomex	1000 100.0 µm	30 30" (750 mm) 40 40" (1016 mm)	E EPR N Buna-N V Viton* S Silicone T PFA / Viton	226 O-Ring / Flat Cap w / handle

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