



## MAXGUARD Large Diameter Filter Cartridges

- liquid filters
- polypropylene and cellulose

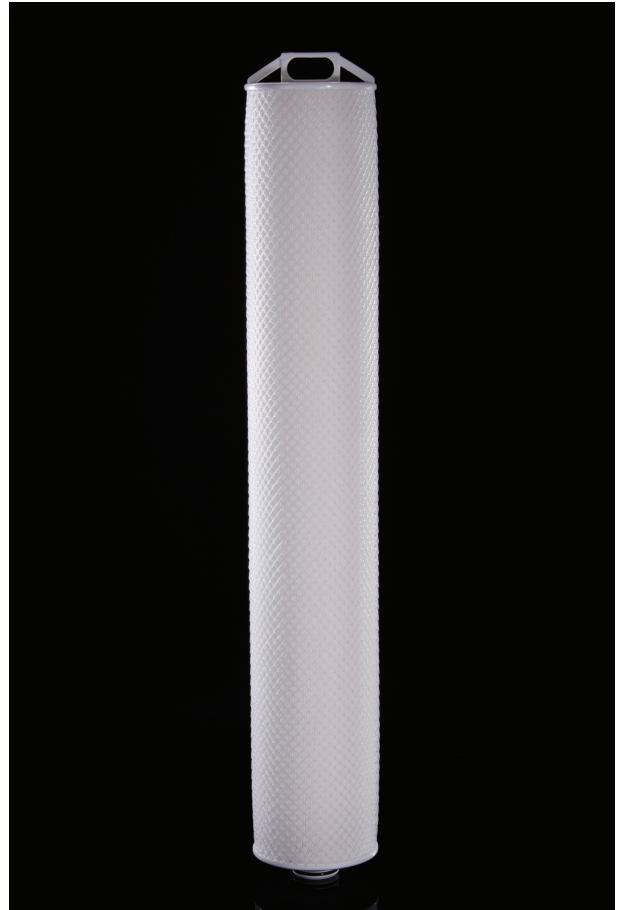
Parker's MAXGUARD high capacity cartridge product line provides a cost effective alternative to bag media or standard 2-1/2 inch cartridges for high flow applications. Each MAXGUARD cartridge has a 6" (152 mm) nominal outside diameter and can handle flows up to 20cu m/hr, significantly reducing the number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

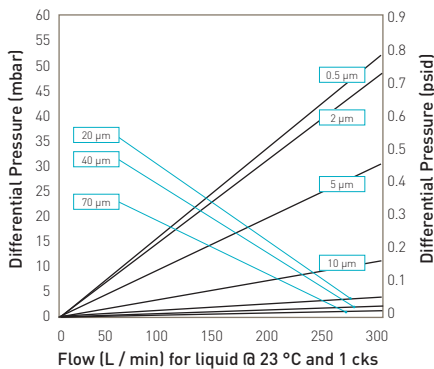
All cartridges have absolute retention ratings (beta = 5000) ideal for critical applications.

### 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%
<b>CELLULOSE</b>					
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
<b>POLYPROPYLENE</b>					
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
<b>NOMEX</b>					
MXGN1000	100	91	83	64	35

### Applications

- Amines
- Commercial water
- Industrial wash waters

## Ordering Information

Filter Media	Code   Micron	Code   Length	Code   Seal Material	Endcap Configuration
<b>MXGP</b> 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
<b>MXCG</b> 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
<b>MXGN</b> 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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