

MaxGuard™

High-Flow Filter Cartridges



High Dirt Holding Capacity Filter Cartridge available in Polypropylene, Cellulose and Nomex™ for multiple applications

Parker's MaxGuard™ high capacity cartridge product line provides a cost effective alternative to bag media or standard (6") 68mm cartridges for high flow/high dirt applications. Each MaxGuard™ cartridge can handle flows up to 20.4 m³/h, 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 filtration.



Applications:

- Deep well injection
- Amines
- Commercial water
- Food and Beverage

Product Features:

- High flow capacity means fewer cartridges and reduced labour costs associated with change-out
- High flow capacity allows for smaller housings and less capital expenditure
- Heavy wall core ensures superior strength
- Integrated handle makes change-outs fast, easy and safe
- Positive 226 O-ring seal assures filtration integrity
- All materials listed as acceptable for potable and edible contact according to CFR Title 21

MaxGuard™

Specifications

Filtration Rating

99.98% at specified micron rating

Materials of Construction

Filter Media: MXGP - Polypropylene

MXGC - Cellulose

MXGN - Nomex™*

Support Layers: Polypropylene (MXGP and MXGC)

Support Core: Polypropylene (MXGP and MXGC)

Stainless Steel (MXGN)

Dimensions

OD: 61.3 mm

ID: 153 mm

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)

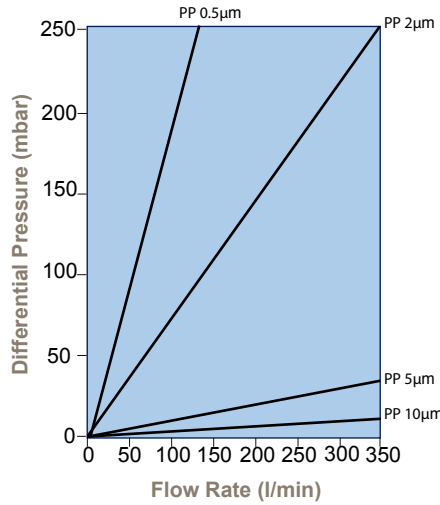
3.4 bar at 25°C (Reverse)

Max Flow Rate: 350 l/min per 40"

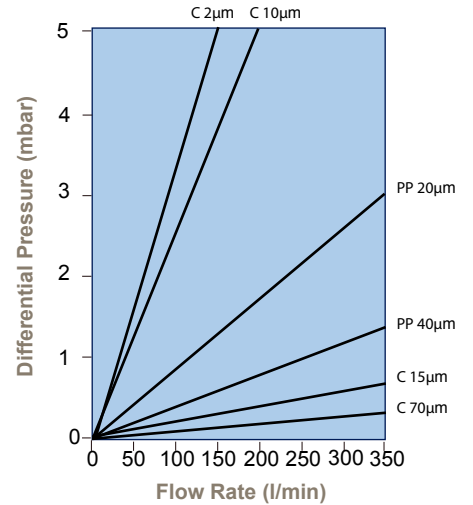
Recommended Operating Conditions

Change-Out Pressure: 2.4 bar

Flow rate vs. ΔP
(1 cks liquid @ 23°C)



Flow rate vs. ΔP
(1 cks liquid @ 23°C)



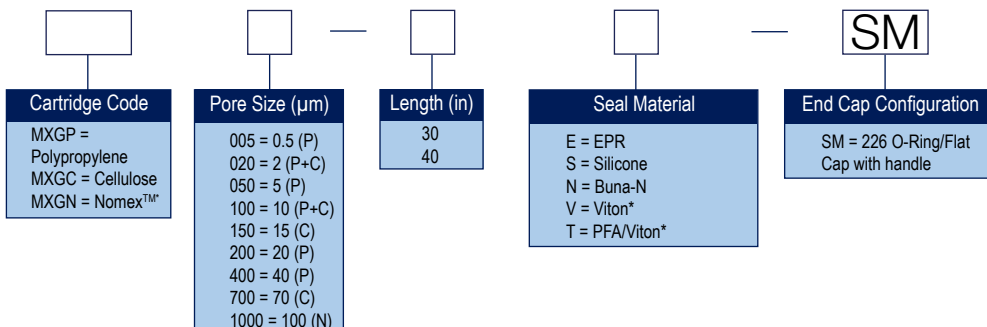
Cartridge Code	99.98%	99.9%	99%	98%	95%
MXGC020	2	1.6	0.4	0.2	<0.1
MXGC100	10	6	1.4	0.5	<0.2
MXGC150	15	11	3	1.5	<0.6
MXGC700	70	53	8.5	3	<0.5
MXGP005	0.5	0.4	0.2	<0.2	<0.1
MXGP020	2	1.4	0.4	0.2	<0.1
MXGP050	5	3.8	1.2	0.3	<0.1
MXGP100	10	7	3	0.9	<0.2
MXGP200	20	18	5	2	<0.2
MXGP400	40	23	18	8	<0.7
MXGN1000	100	91	83	64	35

Flow Factor Table**

MaxGuard PolyPropylene	0.5µm	2µm	5µm	10µm	20µm	40µm
Flow factor (mbar / l/min @ 1cks)	1.6398	0.060308	0.112782	0.03972	0.009292	0.004191

MaxGuard Cellulose	2µm	10µm	15µm	70µm
Flow factor (mbar / l/min @ 1cks)	0.030974	0.020042	0.002186	0.001203

Ordering Information:



* - Trademark of E.I. duPont de Nemours & Co.

** - Flow factor required for sizing. Refer to page 62 for further information



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Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)