

MAXGUARD Food and Beverage

Filter Cartridges



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 20m³/hr, significantly reducing the number of cartridges required for large flow applications.

MAXGUARD cartridges are available in polypropylene 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.

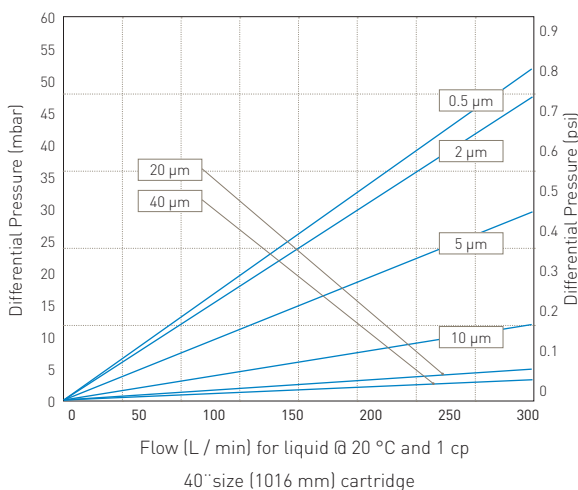
Features

- Large diameter for high flow rates and ease of change-out
- Absolute rated, high depth, polypropylene media
- Positive 226 o-ring seal for assured filtration integrity

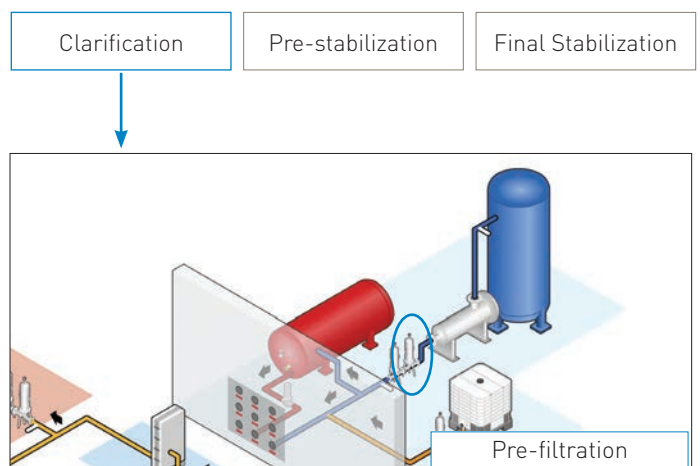
Benefits

- Small filter system size and reduced running cost to represent economical solution to a wide range of clarification duties
- Consistent quality filtrate is delivered and increased resistance to blockage in a wide range of clarification applications
- Assurance of filtration efficiency for more critical applications

Performance Characteristics



Filtration Stage



Specifications

Materials of Construction

Filtration Media:	Polypropylene
Support Layers:	Polypropylene
Support Core:	Polypropylene
O-Rings:	Silicone

Recommended Change Out Pressure

2.41 bar (32 psi)

Dimensions (Nominal)

Cartridge Code	Micron Rating at Various Efficiencies				
	99.98%	99.90%	99%	98%	95%
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

Food Contact Compliance

Materials conform to the relevant requirements of FDA 21 CFR Part 177, current EC1935 / 2004 and current USP Plastics Class VI - 121 °C.



Maximum Operating Temperature

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

Retention Ratings (99.98%)

99.98% specified micron rating

Flow Characteristics

MAXGUARD filters are capable of filtering 340 L / min per 40".

Ordering information

Filter Media	Code Micron	Code Length (Nominal)	Code Seal Material	End Cap Configuration
Polypropylene	050 0.5µm 020 2.0µm 050 5.0µm 100 10.0µm 200 20.0µm 400 40.0µm	30 30" (750 mm) 40 40" (1016 mm)	S Silicone	226 O-ring / Flat cap w/ handle

Retrofits
740 series
HOUSING RANGE