

# 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 20m<sup>3</sup>/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.

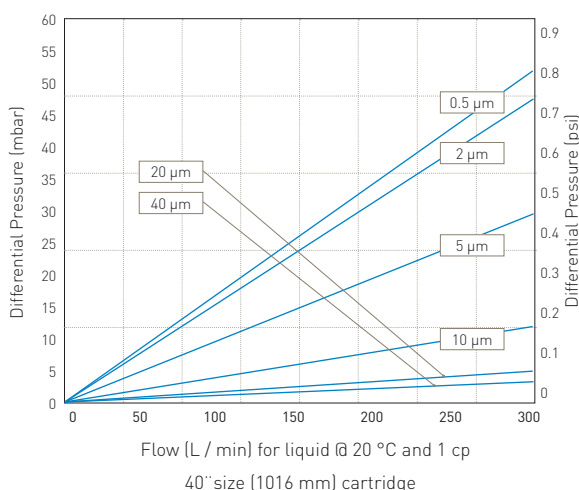
## Features

- 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

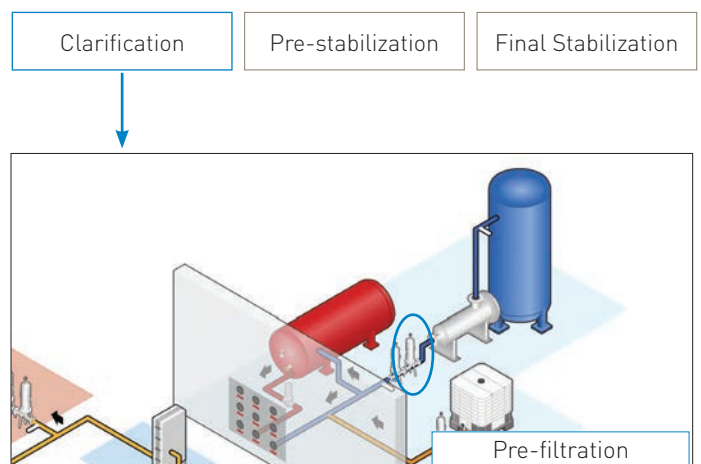
## Benefits

- 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

## 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".

## 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

# Ordering information

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