

# MaxGuard

Absolute Rated Glass Fibre  
Filter Cartridge



The absolute rated high flow MAXGUARD filter cartridge has been designed for ease of use whilst increasing productivity when compared to conventional filter formats. The Maxguard can operate at flow rates up to 500 bbl/hr (79,5 m<sup>3</sup>/hr) resulting in reduced cartridge usage and fewer changeouts when measured against systems using standard diameter elements. The MaxGuard is 100% thermally welded in its construction and can also be supplied in a high temperature version.



## Contact Information

Parker Hannifin Manufacturing  
Netherlands (Process Filtration) B.V.  
Zuiddijk 398  
1505 HE Zaandam, The Netherlands

phone +31 756 555 000  
fax +31 756 555 015  
twinfilter.info@parker.com

Parker Hannifin Corporation  
**domnick hunter**  
**Process Filtration - North America**  
2340 Eastman Avenue  
Oxnard, California, USA 93030

toll free +1 877 784 2234  
phone +1 805 604 3400  
fax +1 805 604 3401  
dhpsales.na@parker.com

[www.parker.com/processfiltration](http://www.parker.com/processfiltration)  
[www.twinfilter.com](http://www.twinfilter.com)



## Benefits

- Fully thermally welded, no glue or adhesives.
- Large diameter yields higher flow rates.
- High flow capacity permits use of fewer elements and cuts capital expenditure.
- Manufactured in own production facility.
- All Maxguard cartridges are Beta 5000 rated (efficiency 99.98%).
- Positive o-ring seal assures filtration integrity.
- Integrated handle for easy and quick change outs.
- Reduced operational costs and reduced change outs.
- Wide chemical compatibility.

## Applications

- Completion fluids
- Work over fluids
- Gravel pack fluids
- Waste water
- Diesel and fuel oil
- Surface water intake
- Acids
- Solvents
- Gels, amines and glycols
- Process water
- Pre filtration RO
- Water injection

ENGINEERING YOUR SUCCESS.

# MaxGuard

## SPECIFICATIONS

### Materials of Construction

#### Type of Construction

- 100% thermally welded, pleated glass fibre media supported by all polypropylene construction

#### Filter Media

- Glass fibre

#### Media Support Layers

- Polyester

#### Media Support Core

- Molded polypropylene

#### Media Netting

- Polypropylene

#### End Caps

- Molded polypropylene

#### Seal Materials

- MXG Buna-N
- MXG HF+ Silicone

### Dimensions

#### Cartridge Outside Diameter

- 6.5" (166 mm)

#### Cartridge Inside Diameter

- MXG 1.8" (46 mm)
- MXG HF+ 3" (76 mm)

#### Cartridge Length

- 39" (986)

#### Connection

- MXG Type 226 (code 6)
- MXG HF+ Type 338 bayonet

#### Filtration Area

- 66.72 ft<sup>2</sup> (6,2 m<sup>2</sup>) per 40" cartridge

#### Filtration Rating

- 0.5 - 50 micron

### Maximum Recommended Operating Conditions

#### Temperature

- 158°F (70°C)
- 203°F (95°C) for High Temperature version

#### Allowable ΔP

- 37 psi (2,5 bar)

#### Flow Rate

- MXG 157 bbl/hr (25 m<sup>3</sup>/hr) / 40" length @ 68°F (20°C)
- MXG HF+ 500 bbl/hr (79,5 m<sup>3</sup>/hr) / 40" length @ 68°F (20°C)

### End Cap Configuration

Plugin 226 o-rings seal



### End Cap Configuration

High Flow+ 338 o-ring seal + bayonet



## Ordering Information

### MXG

[ ]		-		[ ]		-		[ ]			-		[ ]			-		[ ]		
Filter Media		Filter Rating		Nominal Length			Seal Material		End Cap Configuration			Special options								
Code	Description	Code	Micron	Code	Inches	mm	Code	Description	Code	Description	Code	Description	Code	Description						
G	Glass fibre	005	0.5	39	39	986	N	Buna-N	SM	226 o-ring/flat cap with handle	HT	High Temperature	R	Rigid						
		010	1	Others on request			S	Silicone	HF+	338 o-ring with bayonet										
		020	2				Others on request													
		050	5																	
		100	10																	
		150	15																	
		250	25																	
		500	50																	
		Others on request																		

Specifications are subject to change without notification. For User Responsibility Statement, see [www.parker.com/safety](http://www.parker.com/safety)

© 2013 Parker-Hannifin Corporation  
Twin Filter BV  
All Rights Reserved

