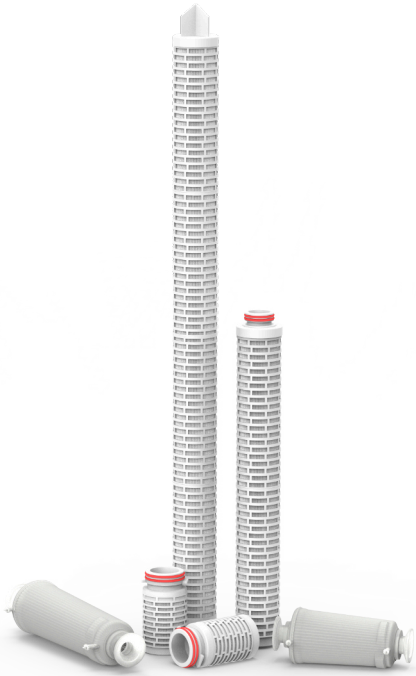


[-> to the product](#)



PROCLEAR GF filter elements are designed for reliable and economical removal of particles and microorganisms from pharmaceutical fluids.

The glass microfiber filter media does not shed fibers and provides excellent dirt retention rates and high flow rates for long life and cost effective filter system design.

PROCLEAR GF filter elements have low extractables, making them ideal for general clarification and pre-filtration applications in pharmaceutical processing.

Quality standards

- Pharmaceutical grade products are manufactured according to cGMP and rinsed 100% with purified pharmaceutical grade water.

Pharmaceutical validation

- A full validation guide is available upon request.

Non-volatile extractables (NVE)

- The total number of NVE's extracted in the first 5 liters of purified water for a 10" filter element is <10 mg.

Oxidizable substances

- PROCLEAR GF filter cartridges meet current USP and EP quality standards for sterile purified water for oxidizable substances following a <1 liter water flush.

Food contact

- The materials meet the relevant requirements of FDA 21 CFR Part 177, USP Plastics Class VI - 121°C and ISO10993 equivalents.

Endotoxins

- Aqueous extracts from a 10" (250 mm) PROCLEAR GF contain <0.25 EU / ml when tested according to the Limulus Amoebocyte Lysate-Test.

Technical data

Material:	Glass Microfibre
Support layer up-/downstream:	Polypropylene
Gasket:	EPDM, Silicone, Viton
Micron rating:	0,6/ 1/ 2/ 5/ 10 µm
Filter surface (10"):	0,56 m ²
Element length:	10" - 40"
Max. Working temperature:	70°C
Differential pressure:	max. 5,0 bar at 20°C (forward) max. 3,0 bar at 60°C (forward)

Autoclave

Cycles	Temp.
10	130 °C

SIP (steam in place)

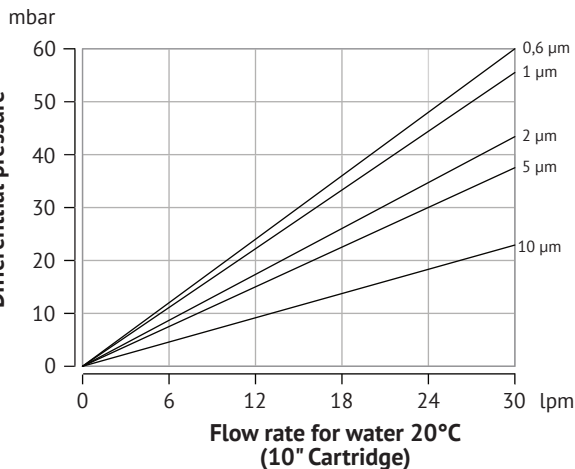
Cycles	Temp.
10	121 °C

Sterilization

- Proclear GF filter elements can be sterilized with hot water at up to 90 °C

TOC / conductivity

- The filtrate quality of a 10" (250 mm) PROCLEAR GF meets the requirements of the current USP <643> (TOC) and USP <645> (conductivity) within the first 200 ml of rinsed water



Short term temperature CIP (clean in place)

Temperature [°C]	Delta P forward [bar]
20	5,0
40	4,0
60	3,0
80	2,0
90	1,5

Order information

PCGF	[] - []	[] - []	[]	[]
Length	Micron rating	Adapter / Cartridge	Variant	Gasket
B 2,5"	96 0,6 µm	B Dh DOE	P Pharmaceutical	E EPDM
A* 5"	01 1 µm	C BF/226/Bajonett		P Encapsulated Silicone
K 5"	02 2 µm	D Fin/222		S Silicone
1 10"	05 5 µm	E Flat/222	Adapter / Demi	V Viton
2 20"	10 10 µm	G Recess/222	T Trueseal	
3 30"		H UF Retrofit	Y Demi MCY	
4 40"		J SOE (no o-ring)	Z Demi A&B Std	
		L dh DOE		
		N Internal 213		
		R BF/222/Bajonett		

*Box of 3 psc.

Order example: PCGF2-01C-PP *EPDM Dichtung im Standard