

# QUALI-FILTECH

Pleated cartridge

EN Data sheet



Recycled polypropylene

Polyester

Food-grade polypropylene



## Characteristics & benefits

- Wide range of media and filter materials with porosities between 0.2µm and 100µm.
- 100% welded and reinforced design.
- High retention capacity.
- Low pressure losses.
- Large filtering surface of 2.5m<sup>2</sup>/10".
- Contains no surfactants, binders, adhesives or silicone

## Standard dimensions

External diameter	180 mm
Internal diameter	50 mm
Lengths	10", 20", 30"

## Description

QUALI-FILTECH cartridges offer minimal pressure drop and excellent retention capacity.

Made from 100% polypropylene, QUALI-FILTECH cartridges are assembled by heat welding (without glue) to guarantee maximum chemical compatibility and avoid the risk of contamination.

QUALI-FILTECH cartridges are available in a wide range of lengths, and specific tips.

SIEBEC patented combs to maintain the spacing between the pleats and to guarantee increased quality and longevity of filtration.

Retractable handle - SIEBEC patent for easy handling.

## Building materials

Code	Material	Max. operating temperature	Application
FTPR	Recycled polypropylene	70°C	Reducing carbon impact
FTP	Food-grade polypropylene	70°C	FDA food application
FTPE	Polyester	110°C	High temperature and solvent

## Range of filter media available

Code	Material	Description
PP	Polypropylene (single-layer pleat pack)	Standard version with maximum filter surface
PE	Polyester	High temperature and solvent application
GF	Borosilicate micro-fiberglass with polyester support	Industrial applications
GFF	Borosilicate micro-fiberglass with polypropylene support	FDA food application
GFF+	Nanoalumina fibers and micro-fiberglass with polyester support	Increased filtration efficiency with nanoalumina - Food FDA

Consult us for chemical compatibility

## Terms of service

Maximum pressure loss	3 bar
Recommended replacement pressure differential	2 bar

## ORDER REFERENCE

Exemple :



### A / Building materials

Code	Description
FTPR	Recycled polypropylene
FTP	Food-grade polypropylene
FTPE	Polyester

### B / Filter media

Code	Description
PP	Polypropylene (single-layer pleat pack)
PE	Polyester
GF	Borosilicate micro-fiberglass with polyester support
GFF	Borosilicate micro-fiberglass with polypropylene support
GFF+	Nanoalumina fibers and micro-fiberglass with polyester support

### C / Removal ratings

Code	Filtration efficiencies <sup>1</sup>		Materials				
	90%	99,9%	PP	PE	GF	GFF	GFF+
05	0,2 µm	0,5 µm	•				•
1	0,5 µm	1 µm	•		•	•	
3	1 µm	3 µm	•				
5	3 µm	5 µm	•	•			
10	5 µm	10 µm	•				
20	10 µm	20 µm	•	•			
35	20 µm	35 µm	•				
50	25 µm	50 µm	•	•			
90	50 µm	90 µm	•				

<sup>1</sup> Filtration efficiencies are determined in a single pass according to the modified NFX45-303 test protocol in the laboratory under high-flow operating conditions.

### D / Lengths

Code	Length
10	10"
20	20"
30	30"

### E / Seal materials

Code	Material
V	Viton
E	EPDM
T	FEP
S	Silicone
N	Nitrile
X	None

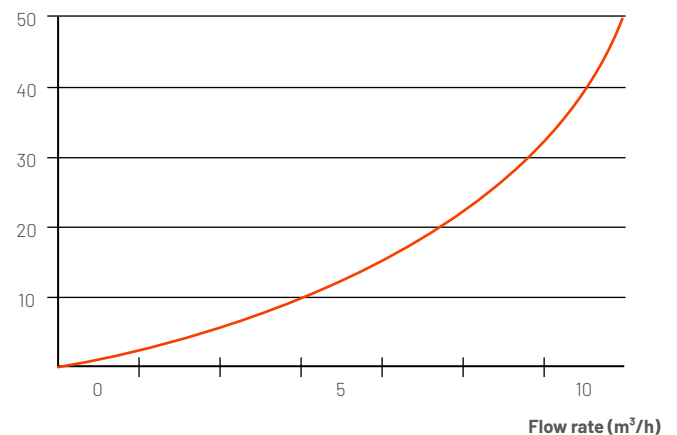
### F / Adapters

Code	Description
3	SOE - Single open end with external O-rings, other end closed flat
x	SOE - One end open with lip seals, the other end closed flat.

### Typical flow rates :

Pressure drop for 10" filtration media \*

Pressure loss (mBar)



\*Typical initial pressure drop  $\Delta P$  per 40" element, water at 20°C, viscosity 1cP.