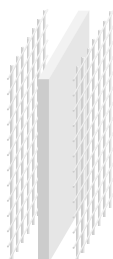




55% Recycled polypropylene

Food-grade polypropylene

Polyester



Filter media material and porosity engraved on flange.

### Product made from recycled materials



This product is part of our eco-friendly program (SIEBEC CSR), reflecting our commitment to environmental sustainability.

Incorporating PIR recycled plastic, it helps reduce our carbon footprint by nearly 100 tons per year while supporting a circular economy approach.

Made in France and designed with locally recycled materials.

### Features & Benefits

- Wide range of media and filter materials with porosities between 1µm and 200µm
- 100% welded and reinforced design
- High retention capacity thanks to its design (draining grids, multi-layers, etc.)
- Low pressure losses
- Contains no surfactants, binders, adhesives or silicone
- Filter media type and porosity engraved on flange for precise identification.

### Standard dimensions

External diameter	152 mm
Internal diameter	72 mm
Lengths	20" - 40" - 60"

### Description

QUALI-HIGH-FLOW-FELT products are pleated filter elements designed for high flow nominal filtration.

The large filtration surface combined with a high-porosity felt media gives QUALI-HIGH-FLOW-FELT minimal pressure drop and excellent dirt-holding capacity.

QUALI-HIGH-FLOW-FELT filters are assembled using thermal welding (without adhesives) to ensure maximum chemical compatibility and to eliminate the risk of contamination. Pressure and temperature resistance are enhanced thanks to its injection-molded outer cage. Unlike existing technologies, this design provides the cartridge with improved rigidity and significantly extends service life at nominal filtration ratings due to the felt technology. As a result, removing the QUALI-HIGH-FLOW-FELT once it is clogged is no longer difficult.

QUALI-HIGH-FLOW-FELT incorporates a drainage mesh upstream and downstream of the filter media to maintain pleat spacing. This design increases service life while maximizing filtration flow rate.

### Materials of construction

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

### Range of filter media available

Code	Material	Description
P0	Polypropylene felt	Standard version with maximum filter surface - FDA-compliant food-grade
P0T	Thick polypropylene felt	Thicker configuration for longer service life - FDA-compliant food-grade
PEF	Polyester felt	Standard version with maximum filter surface - FDA-compliant food-grade
PEFT	Thick polyester felt	Thicker configuration for longer service life - FDA-compliant food-grade

### Terms of service

Maximum pressure loss	3 bar
Recommended replacement pressure differential	2 bar

## ORDER REFERENCE

Example :

A  
**QTPR** - L - B  
**PO** - C  
**10** - D  
**20** - 0 - E  
**N**

### A / Materials of construction

Code	Description
QTPR	Recycled polypropylene
QTP	Food-grade polypropylene
QTPE	Polyester

### B / Filter media

Code	Description
PO	Polypropylene felt
POT	Thick polypropylene felt
PEF	Polyester felt
PEFT	Thick polyester felt

### C / Removal ratings - Nominal filtration efficiency

Code	Porosity	Materials			
		PO	POT	PEF	PEFT
1	1 µm	•	•	•	•
5	5 µm	•	•	•	•
10	10 µm	•	•	•	•
25	25 µm	•	•	•	•
50	50 µm	•	•	•	•
100	100 µm	•	•	•	•
200	200 µm	•		•	

### D / Lengths

Code	Description
20	20" (527 mm)
40	40" (1033 mm)
60	60" (1538 mm)

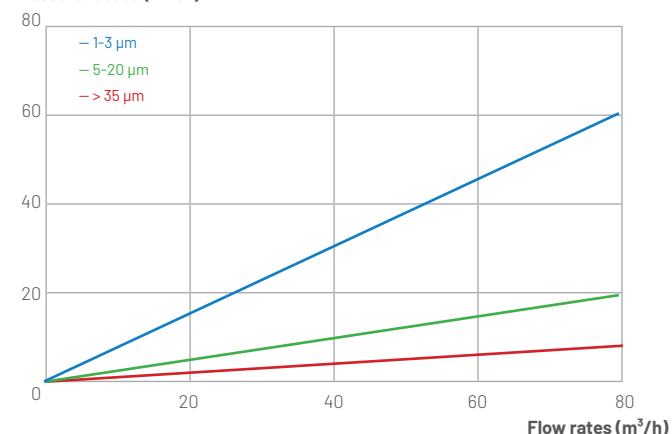
### E / Seal materials

Code	Description
N	NBR
E	EPDM FDA
F	FPM

### Typical flow rates :

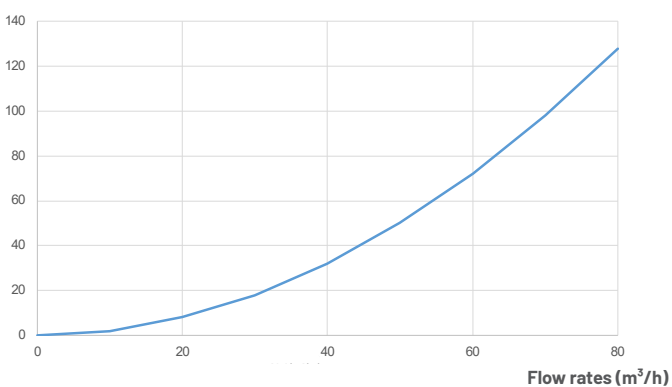
#### Pressure drops for filtration media only

Pressure losses (mBar)



#### Pressure losses for a 40" cartridge<sup>2</sup>

Pressure losses (mBar)



<sup>2</sup>Typical initial pressure drop  $\Delta P$  per 40" element, water at 20°C, viscosity 1cP.