

QUALITHERM N

MELTBLOWN POLYPROPYLENE CARTRIDGE



QUALI FILTRES
SIEBEC Group

Description

QUALITHERM N cartridges are polypropylene deep filter elements guaranteeing a nominal filtration for various clarification or pre-filtration applications.

QUALITHERM N cartridges are manufactured from calibrated thermo-welded fibers to obtain a decreasing porosity. This density gradient provides the cartridge with excellent retention capacity and minimal pressure drop.

Made from 100% polypropylene, QUALITHERM N cartridges offer excellent chemical compatibility for industrial applications and are perfectly suited for food applications.

QUALITHERM N cartridges are available in a wide range of lengths, diameters and end fittings for easy adaptation to all industrial standards.

Characteristics & benefits

- Wide porosity range 0.5 to 100 µm.
- Available in 2 diameters 64 and 110 mm for the BB versions.
- One-piece construction (no core).
- Available with PP core on request.
- Self-supporting polypropylene thermo-welded fibers.
- Decreasing porosity.
- Low pressure loss.
- High retention capacity.
- Wide chemical compatibility.
- Available in food grade (ACS certification).



Dimensions

	Description
External diameter	64 or 110 mm
Internal diameter	28 mm
Lengths	5" to 40"

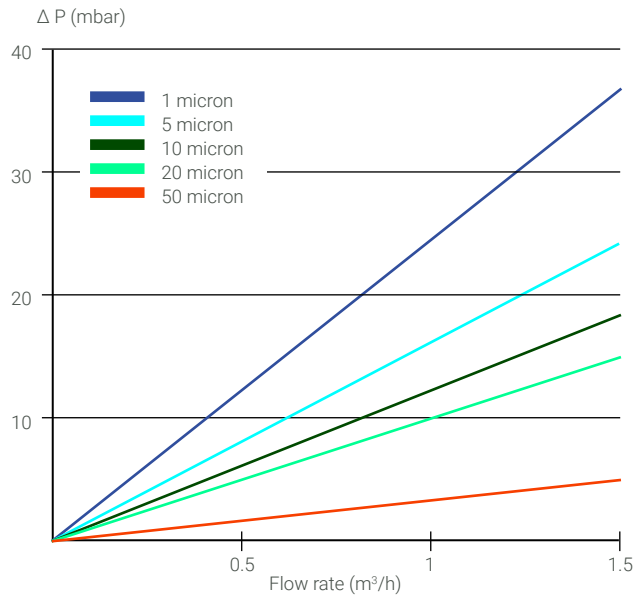
Maximum differential pressure ΔP

Co-current	Operating temperature
4 bar	20°C
1.8 bar	65°C

Terms of service

Self-supporting version	65°C
Recommended differential pressure for cartridge change	2bar at 20°C

Typical flow



Typical initial pressure drop per 254mm (10") element, water at 20°C, viscosity 1cP.

Order reference

REFERENCE QTN - **PP** - **QA** - **01** - **20** - **X** - **X**
Tab 1 Tab 2 Tab 3 Tab 4 Tab 5 Tab 6

Table 1 : Filter media

Code	Description
PP	Polypropylene

Table 2 : Quality

Code	Description
QA	Food (ACS)

Table 3 : Retention threshold

Code	Description
005	0.5 µm
01	1 µm
03	3 µm
05	5 µm
10	10 µm

Code	Description
20	20 µm
50	50 µm
75	75 µm
99	100 µm

Table 4 : Length

Code	Description
91	9" 3/4 = 248 mm
92	9" 7/8 = 251 mm
10	10" = 254mm
20	20" = 508mm
30	30" = 762mm
40	40" = 1016mm
10 BB	10" BB
20 BB	20" BB

Table 5 : Adapter

Code	Description
0	DOE - Double opening with flat seal
3	SOE - Single open end with external 222 O-rings, other end closed flat
7	SOE - Single open end with 2 locking lugs and external O-rings 226, other end closed with guide pin
8	SOE - Single open end with external 222 O-rings, other end closed with guide pin
X	Without tip

Table 6 : Seal material

Code	Description
X	Without seal
E	EPDM
T	FEP
S	Silicone
N	Nitrile
V	Viton