

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 |



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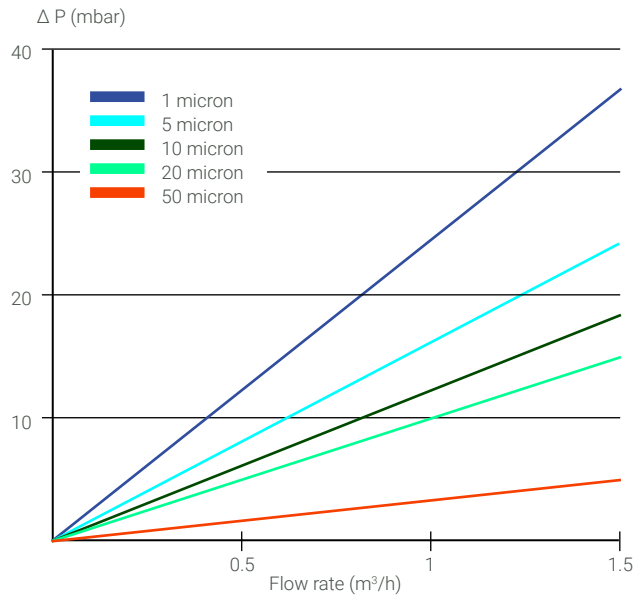


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Typical flow



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 |