

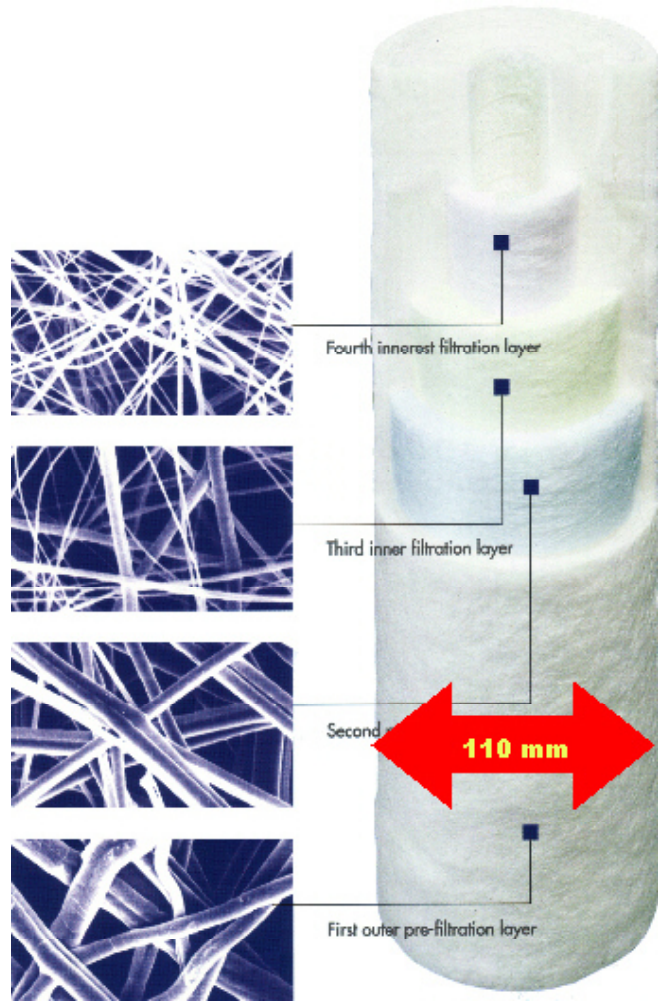
### CAUSAMAX-4

#### Melt-Blown - filter cartridge with high dirt holding capacity

The structure of the Causamax-4 is mainly characterized by the 4 filter layers with different fiber thicknesses and degrees of separation. The special structure and the thickness of the filter bed result in a very high dirt holding capacity, which is clearly superior to that of a wound filter candle.

#### Benefits and Advantages

- Very fine fibers ensure stability and filtration efficiency.
- The four-layer structure, each with different degrees of separation, enables selective dirt separation and thus increases the dirt-holding capacity, resulting in a long service life. Compared to a 2-layer filter, the capacity is more than twice as large.
- 100% polypropylene, resistant in a wide range with many process liquids. It meets many requirements from a wide range of industries.
- The Causamax-4 filter cartridge is made thermoplastic without any addition of binder or adhesive.
- Meets FDA requirements for food and beverage use (CFR Title 21).
- Certified by NSF / ANSI 42 and FDA CFR Title 21.



4 layers of polypropylene melt-blown

#### Applications

- Food and beverage industry
- Chemical processes
- High-technology coatings
- Photoresists
- Waste water
- Fine chemicals
- Electroplating
- Rinsing, process and drinking water
- DI water

### Specifications Causamax-4

#### Retention grade:

- 1µm: 1. Layer 1µm, 2. Layer 5µm, 3. Layer 10µm, 4. Layer 25µm
- 5µm: 1. Layer 5µm, 2. Layer 10µm, 3. Layer 25µm, 4. Layer 50µm
- 10µm: 1. Layer 10µm, 2. Layer 25µm, 3. Layer 50µm, 4. Layer 75µm
- 25µm: 1. Layer 25µm, 2. Layer 50µm, 3. Layer 75µm, 4. Layer 100µm

#### Used material:

Polypropylene complete construction, free of wetting agent, binding and Adhesive.

Filter material: multilayer melt blown polypropylene.

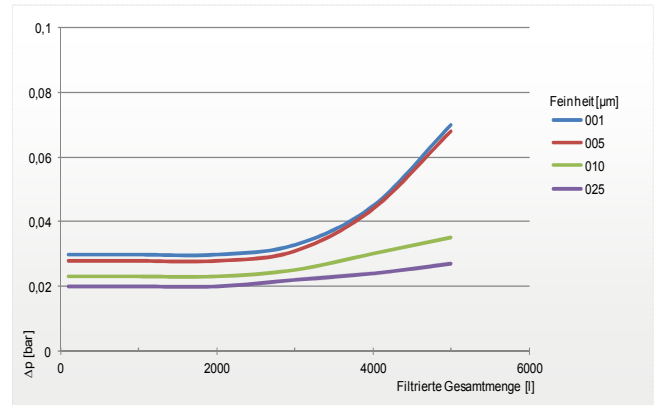
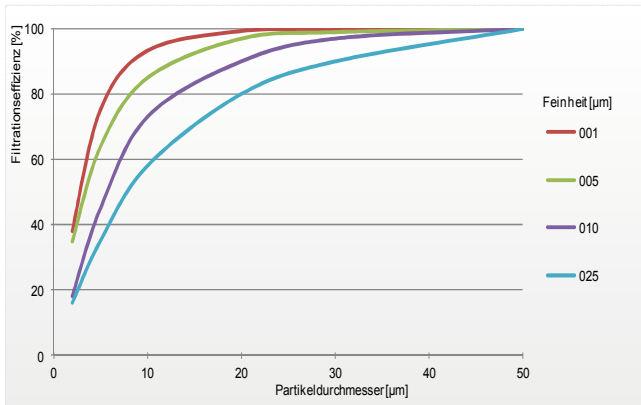
#### Recommended operating conditions:

- Maximum temperature: <80°C
- Maximum pressure loss: 2.4bar (35psi)

#### Dimensions:

- Filter length: 10" and 20"
- Outer diameter: 110mm ± 2 mm
- Inner diameter: 30mm

### Efficiency of the Causamax-4 filter cartridge



#### Test conditions:

1. Filter length: 10 "
2. Dust concentration: 10 ppm
3. (ISO MEDIUM TEST DUST 12103-1, A3)
4. Flow rate: 10 l/min
5. Liquid: ultra pure water
6. Test temp.: room temperature
7. Filtrate was measured with a LiQuilaz<sup>®</sup> sensor (PMS)

#### Test conditions:

1. Filter length: 10 "
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### Order information for Causamax-4

Example: CM4-001-20-DOX = Causamax-4, separation efficiency 1 µm, 508 mm long, no adapter, without gasket

CM4-	XXX-	XX-	XX	X
Filter cartridges Code	Particle Separation in µm	Nominal Length in inch	End caps - configuration	Gaskets
CM4 = Causamax-4	001 = 1 005 = 5 010 = 10 025 = 25	09 = 9.87" (250mm)* 10 = 10" (254mm) 19 = 19.75" (500mm)* 20 = 20" (508mm)	DO = double open end	X = no Gasket

\* No stock items