

# PET-Depth Filter Cartridge Type Causa-PET

## Causa-PET Depth Filter Cartridge

The Causa-PET is the melt-bound depth filter cartridge (type polyester) for use in applications in which petroleum and acidic solution and / or high temperatures exclude the use of polypropylene.

In addition, it offers the advantages of true gradient depth filtration, extremely low pressure drops, high removal ratings and high void volumes, which make the Causa-PET product the first choice for many large filter users.

## Features & Benefits

- Graduated filter fineness within the filter
- A high pore volume results in low pressure losses and high dirt holding capacity.
- Melt-blown PET fibers
- Designed for temperatures up to 120°C
- Excellent chemical compatibility with acids, edible and mineral oils.
- Resistant to solvents
- Manufactured without the use of resins, binders or anti-static agents
- In accordance with the latest regulation (EG) 1935/2004 and regulation (EU) No. 10/2011 for contact with food.
- Complies with FDA CFR Title 21

## Applications

Filtration of edible and mineral oils

Filtration of acids

Varnish and paint industry

Beverage and food industry



Filter Cartridge

## Product Specifications

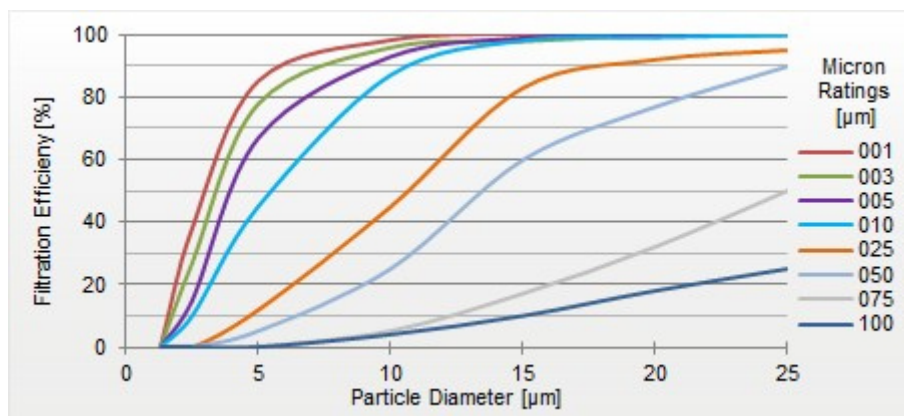
<b>Micron rating [µm]</b>	1; 3; 5; 10; 25; 50; 75; 100
<b>Material filter medium</b>	Melt-blown micro-denier PET fibers
<b>Material end caps</b>	PET
<b>Length</b>	9.87" (251 mm); 10" (254 mm); 20 (508 mm)"; 30" (762 mm); 40" (1016 mm)
<b>Inside diameter</b>	28mm
<b>Outside diameter</b>	63mm

Acid resistance	Alkali resistance	Solvent resistance
good	conditionally	good
Hydrolysis resistance	Moisture behavior	Max. Operating temperature
conditionally	hydrophobic	120°C

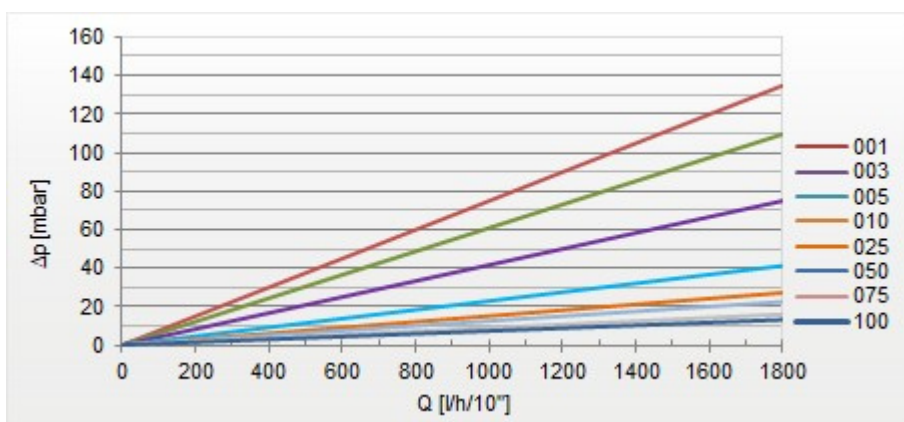
## Operating Conditions

<b>Maximum differential pressure at 20°C</b>	4.2 bar
<b>Maximum working temperature</b>	120°C

## Efficiency of Filtration



## Pressure Drop



Filter Cartridge

## Ordering Information

Example: CPT-025-20-DOB = Causa-PET, micron ratings 25µm, 508mm long, open on both sides, Buna-N flat seals

CPT-	XXX-	XX-	XX	X
Filter cartridges Ident code	Particles Micron rating* [µm]	Nominal Length	End caps - Configuration	Seal - / O-ring material
<b>CPT</b> = Causa-PET	<b>001</b> = 1	<b>09</b> = 9.87" (250 mm)	<b>DO</b> = both side open	<b>B</b> = NBR
	<b>003</b> = 3	<b>10</b> = 10" (254 mm)	<b>SF</b> = 226 O ring / fin	<b>E</b> = EPDM
	<b>005</b> = 5	<b>20</b> = 20" (508 mm)	<b>SC</b> = 226 O ring / flat	<b>S</b> = Silicone
	<b>010</b> = 10	<b>30</b> = 30" (762 mm)	<b>TF</b> = 222 O ring / fin	<b>V</b> = FKM
	<b>025</b> = 25	<b>40</b> = 40" (1016 mm)	<b>TC</b> = 222 O ring / flat	<b>T</b> = PFA encapsulated FKM
	<b>050</b> = 50			<b>P</b> = PE foam (Tmax. 60°C)
	<b>075</b> = 75			<b>X</b> = No seal
	<b>100</b> = 100			

\* With Causa-PET, the filtration efficiency is not as high as with PP or PA elements from Causa. When selecting the fineness, refer to the table on initial filtration efficiency above.

## Adapter- und Endkappenkonfiguration

