

## Causagard Depth Filter Cartridge with Surface Cavity

Causagard uses a patented melt-blown technology to meet the high market requirements polypropylene depth filter with exceptional dirt-holding capability and performance. The surface cavity of Causagard, is an exceptional value for industry applications where low pressure drop, and high efficiency is required.

### Features & Benefits

- Absolute ratings from 1 to 100 micron
- Surface pore structure spreads water flow to reduce pressure drop.
- Continuously gradient pore structure increases the capacity of dirt holding.
- Surface fiber fortified to prevent fiber releasing.
- High strength and pressure resistance.
- 100% PP for compatibility with a wide range of process fluids.
- Micro - denier melt blown filtration fiber, high removal ratings.
- Formed by thermal bond without use of any binders and adhesives.
- Certificated by NSF42 and FDA CFR Title 21



Absolute Filtration Efficiency

Can be used as an alternative to:	
Filterite	Nexis
Chisso	CP
CUNO	Deltaklean
CUNO	Betapure
CUNO	Micro-Klean
US Filter	PolyDepth
Daiwabo	SEKISO

### Applications

- Filtration of cooling water system in semiconductor industry (PCW)
- Filtration of CMP Slurries
- Pre-filter of DI water filtration of medium & low viscosity fluids of chemical
- Filtration of water for manufacturing processes and recycled water.
- Filtration of paint in panel painting industry

### Product Specifications

<b>Filter rating [µm]</b>	Absolute 1, 3, 5, 10, 25, 50, 75, 100
<b>Material</b>	100% Melt-Blown-Micro-Denier Polypropylen-Fibres
<b>Length</b>	5"; 9,87"; 10"; 19,75"; 20"; 30", 40"
<b>Inner diameter</b>	28mm
<b>Outer diameter</b>	63mm

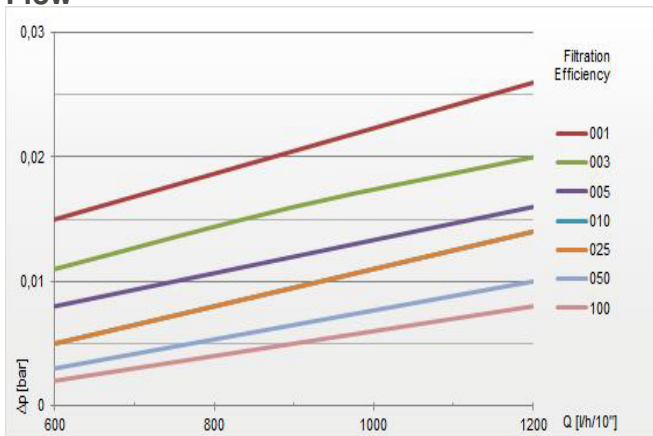
### Operating Conditions

<b>Maximum operating pressure @ 20°C</b>	4.2bar
<b>Maximum operating pressure @ 60°C</b>	2.1bar
<b>Maximum operating pressure @ 80°C</b>	1.2bar
<b>Recommended replacement pressure drop</b>	2.1bar
<b>Maximum operating temperature</b>	80°C

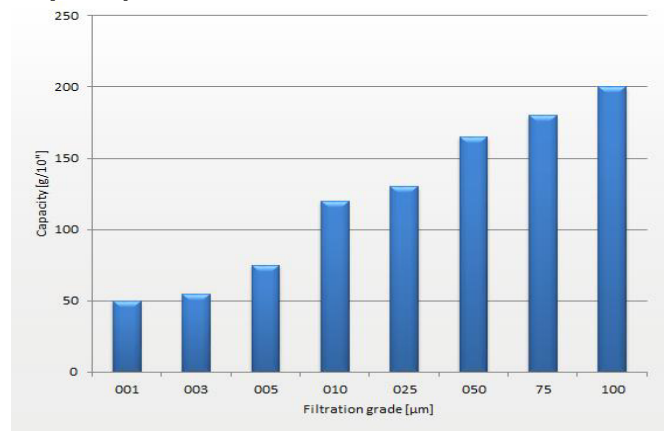
## Filtration Efficiency

Multi-Pass Test Specs.	Retention grade (Efficiency in %)							
	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
-001-	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
-003-	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
-005-	75.9	91,2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
-010-	—	63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
-025-	—	—	69.9	92,8	>99.9	>99.9	>99.9	>99.9
-050-	—	—	—	58,1	74.9	>99.9	>99.9	>99.9
-075-	—	—	—	—	63.9	90.5	>99.9	>99.9
-100-	—	—	—	—	60.1	87.4	92.8	>99.9

## Flow



## Capacity of Dust Removal



## Ordering Information for Causagard

Example: CRD-025-20-DOB = Causagard, filtration efficiency 25µm, length 508mm, double open end, Buna-N flat gaskets

CRD-	XXX-	XX-	XX	X
Cartridge Code	Particle Removal Rating [µm]	Nominal Length [inch]	End Cap Configuration	Gasket ORing Material
CRD = Causagard	001 = 1.0	05 = 5" (125mm)	DO = double open end	B = NBR
	003 = 3.0	09 = 9.87" (250mm)	SF = 226 O-ring / Fin	E = EPDM
	005 = 5.0	10 = 10" (254mm)	SC = 226 O-ring / flat	S = Silicone
	010 = 10	19 = 19.75" (500mm)	TF = 222 O-ring / Fin	V = FKM
	025 = 25	20 = 20" (508mm)	TC = 222 O-ring / flat	T = PFA encapsulated Viton
	050 = 50	30 = 30" (762mm)	XT = single open end (new) with plastic spring	X = no gasket
	075 = 75	40 = 40" (1016mm)		
	100 = 100	(SF - XT only in 10,20,30 and 40")		

## Adapter- and Endcap Configuration

