

# VisCLEAR II

## Nominal Rated Depth Cartridges



VisClear II meltblown cartridge elements have been specifically designed for the filtration of chemicals and liquid industrial coatings. More specifically, they are optimised for processing high viscosity and temperature solutions.

Continuous development of our meltblowing technology has resulted in the production of an extremely robust filtration media structure. This strength is critical in preventing collapse at the high differential pressures often associated with high viscosity fluids.

The filters are manufactured in a clean environment using state of the art equipment that precisely controls the filtration matrix resulting in repeatable high performance and minimal fibre shedding.

VisClear II cartridges have been developed to directly retrofit into application that have traditionally used Resin Bonded cartridges (RBC). The VisClear II provides the equivalent strength of an RBC with the additional benefits of improved filtrate quality and overall cleanliness.



### Unique Construction

- One piece high strength support core
- Free from resin binders
- High void volume, resulting in low clean  $\Delta p$  and excellent dirt holding capacity
- Thermally bonded fibre matrix minimises fibre migration
- One piece construction up to 1016mm (40")

VisClear II fibres are blown continuously onto a central support core, without the need for binders, resins or lubricants. This results in a one piece construction that is resistant to unloading and media shedding. True depth filtration results from the closely controlled fibre production in manufacturing, and a strictly managed process environment ensures a consistent and reliable high quality element.

Elements are available up to 1016mm (40") in length.

## Features and Benefits

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process minimises media migration and ensures minimal extractables
- High mechanical strength - ideal for high temperature and/or viscous solutions
- Identification embossed on every cartridge
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility. Choice of Nylon 6, Polyester and Polypropylene
- Range of nominal ratings from 1 to 350 $\mu$ m
- All individual packing bags are anti static

## Industries and Applications

<b>Fine Chemicals</b>	• Solvent trap filters
<b>Petrochemicals</b>	• Glycol solutions, Hydrocarbon (Kerosene), Wax based materials
<b>Coatings</b>	• Solvent and Aqueous based paints, Lacquers, Emulsions, Waxes, Inks
<b>General Engineering</b>	• Return condensate, High temperature water, Solvent wash systems

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# VisClear II Technical Data

### Dimensions

Outside Diameter: 64mm  
Core Diameter: 27mm

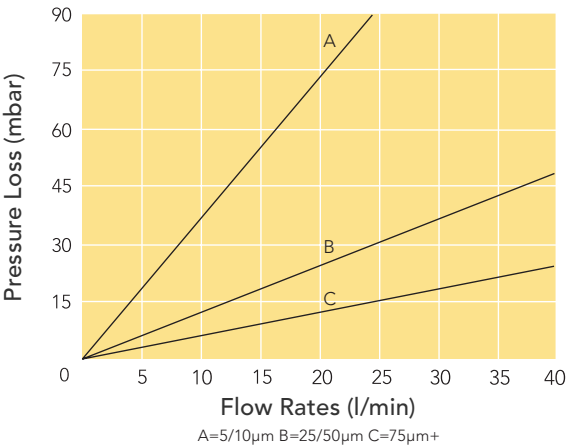
### Maximum Operating Conditions

Temperature 08R: 150°C  
08P : 100°C  
08E : 100°C

Recommended change-out differential pressure: 2.5 Bar

Temperature °C	Maximum ΔP (All Variants)		
	Tinned Core	Nylon 6 Core	St.St Core
@ 20°C	4.0	4.0	4.0
@ 50°C	4.0	4.0	4.0
@ 100°C	4.0	1.0	4.0
@150°C (Nylon 6 only)	4.0	0.5	4.0

Flow Rates for Water (10" Element)



Product validation guide available on request.

## Ordering Guide

08R	F	025 -	09	N	N	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
08R - Nylon 6 08P - Polypropylene 08E - Polyester (DOE only)	D - Reinforced Polypropylene F - Tinned Steel N - Nylon 6 P - Polypropylene S - St.St	001 - 1.0µm 005 - 5.0 010 - 10 025 - 25 050 - 50 075 - 75 100 - 100 125 - 125 150 - 150 200 - 200 350 - 350	09 - 251mm 19 - 495 20 - 508 29 - 743 30 - 762 39 - 990 40 - 1016	N - None A - Code A B - Code B* <sup>1</sup> 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8 0 - Code 0	N - None B - Buna E - EPDM F - FEP / Silicone P - PE Gasket* <sup>2</sup> S - Silicone V - Viton	A - Amazon	
Example: 08RF025-09NNA = Nylon 6 media, tinned steel core, 25µm rating, single length 251mm (10") long. * <sup>1</sup> Code B - to fit Amazon 50 Series housings only. * <sup>2</sup> PE Gasket - End cap option N only.							

### Retrofits

The benefits of the VisClear II can easily be implemented on existing process systems not currently using Amazon Filters products with our direct retrofits for Cuno 3M MicroKlean™, Parker Probond™ and Pall Hi V™. Contact us for ordering information.

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08II-Issue 01