

# VisCLEAR

## Nominal Rated Depth Cartridges



VisClear meltblown cartridge elements have been specifically designed to operate in the chemical processing and liquid coatings industries. Manufactured using Amazon Filters unique fibre processing system, it offers controlled performance and minimal fibre shedding, an absolute requirement in the world of high tech chemistry.

Offering a high void volume and integral support core for maximum strength, they show excellent performance in terms of life and cost effectiveness. The superior structure is ideal for high temperature, high viscosity applications. Cartridges will remain integral even under severe operating conditions and are not prone to fibre shed.

VisClear cartridges are produced using a unique manufacturing process resulting in the following features:-

### Nominal Rated Filter Media

- Available from 1 to 350µm
- Consistent reliable performance



### Product Features

- 100% nylon 6 media
- No resins, binders or anti-static agents
- Wide chemical compatibility
- High temperature resistance

### 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 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 in standard double open ended format.

## 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, using 100% nylon 6 media
- Range of nominal ratings from 1 to 350µm
- All individual packing bags are anti static

## Industries and Applications

- |                            |  |
|----------------------------|--|
| <b>Fine Chemicals</b>      | • Solvent trap filters   |
| <b>Petrochemicals</b>      | • Amine streams, 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 Technical Data

## Dimensions

Outside Diameter: 64mm  
Core Diameter: 27mm

## Maximum Operating Conditions

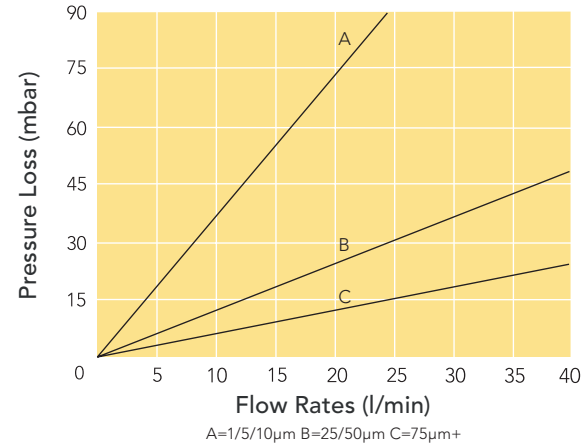
Temperature 08N: 150°C

Recommended change-out differential pressure: 2.5 Bar

Maximum ΔP	Nylon Media Tinned Core	Nylon Media Nylon Core	Nylon Media St.St Core
@ 20°C	4.0	4.0	4.0
@ 50°C	4.0	4.0	4.0
@ 80°C	4.0	1.0	4.0
@150°C	4.0	0.5	4.0

Product validation guide available on request.

Flow Rates for Water (10" Element)



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