VisClear

VisClear

Nominal Rated Nylon Filter Cartridge

VisClear spun bonded 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 no fibre shed – 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. These elements excel against older RBC (Resin Bonded Cartridges) that are similarly rated in removal efficiencies. The superior structure is ideal for high temperature, high viscosity applications, and remains integral even under severe operating conditions and is 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 5 to 125µm
- Consistent reliable performance

Unique Construction

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

Manufacturing Properties

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

VisClear fibres are blown continuously onto a central support core, without the need for resins, binders 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 manufacturing process and environment, which also ensures a consistent and reliable high quality element.
Standard size elements are available up to 1016mm (40") in length in standard double open ended format.

VisClear Features and Benefits

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process stops media migration and ensures minimal extractables
- High mechanical strength – ideal for high temperature viscose solutions
- Identification imprinted 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 media
- Range of Nominal ratings from 5 to 125µm

VISCLEAR

Technical Data

Materials of Construction

Filter Media:	Nylon
Core:	Tinned steel 316 St.St Nylon

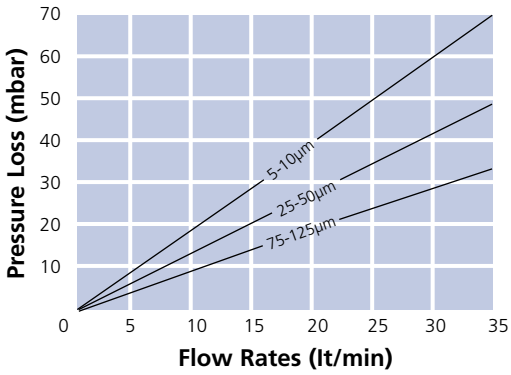
Dimensions

Length:	See ordering guide
Outside Diameter:	64mm
Inside Diameter:	28mm

Maximum Operating Conditions

		Tinned core	Nylon core
Recommended ΔP @ 20°C		1.5 Bar	1.5 Bar
Maximum ΔP	@ 20°C	4.0	4.0
	@ 50°C	4.0	4.0
	@ 80°C	4.0	1.0
	@ 150°C	4.0	0.5

Flow Rates For Water (10" element)



Ordering Guide

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Media	Core Material	Micron Rating	Length	Connections	Seal
N - Nylon	F - Tinned steel T - 316 St.St. N - Nylon	005 - 5µm 010 - 10 025 - 25 050 - 50 075 - 75 100 - 100 125 - 125	09 - 251mm 19 - 495 20 - 508 29 - 743 30 - 762 39 - 990 40 - 1016	N - None	N - None

Example:
08NF025-09NNA = Nylon media, tinned steel core, nominal 25µm rating, single length 251mm (10") long

Industries and Applications

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