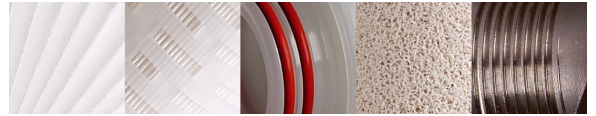


SUPAMESH

Stainless Steel Filter Cartridges



SupaMesh stainless steel filter cartridges are for use in a wide range of applications and industries, suitable for use in both liquids and gases.

All SupaMesh cartridges are manufactured from 316 stainless steel throughout. They are available in both plain cylindrical and pleated configurations, using the very latest in high specification media. The plain cylindrical design provides a simple sleeve of filter medium supported by a central core. The pleated design uses pleated media, again supported by the central support core, this time providing over twice the effective filtration area of the cylindrical cartridge.

In both designs, the construction method used is the latest, ultra clean TiG and plasma welding system. This method of construction guarantees cartridge integrity, eliminating the risk of bypass and the presence of extractables derived from any bonding agents.



Unique Construction

Modular assembly up to 745mm (30") long, 316 Stainless steel, TiG welded for ultra clean assembly

- **SS Grade** - Nominal rated Precision woven mesh, available 5 – 840µm
- **SF Grade** - Absolute rated Sintered metal fibre, available 3 – 60µm
- Optional backwash cage for enhanced mechanical strength
- **SP Grade** - Sintered powder media, available 6-60µm

Product Features

SupaMesh cartridges are available with many standard industrial end cap configurations and seal materials. They are available with optional outer guards for reverse flow or backwashing to enhance their superior robust design. The method of construction and materials used allow for use from -150°C to +300°C and up to 25 bar differential pressure in normal flow direction.

Features and Benefits

- All 316 stainless steel construction for wide chemical resistance
- Individually marked with full product code
- Choice of precision woven wire, sintered powder media and sintered metal fibre media
- Wide range of ratings from 3µm through to 840µm
- TiG welded construction for all grades
- Full material traceability
- Suitable for use from -150°C to 300°C
- No adhesives or bonding agents use

Industries and Applications

- | | |
|--------------------------|---|
| Food and Beverage | • Bottled water, Beers, Wines, Flavours |
| Pharmaceuticals | • Steam, Solvents, Chemicals |
| Fine Chemicals | • Polymers, Acids, Bases, Solvents |
| Cosmetics | • Alcohol, Creams, Lotions, Waxes, Oil based solution |
| Water Treatment | • Potable water, Resin trap, Pre UV, Membrane protection |
| Automotive | • Blanking wash oils, Top Coats, Hydraulic fluids, Solvent wash |
| Petrochemicals | • Amine stream, Glycol solutions, Water injection |



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SupaMesh Technical Data

Dimensions

Outside Diameter:	66mm
Core Diameter:	53mm
Typical Surface Area:	Cylindrical: 0.05m ²
(per 10")	Pleated: 0.13m ²

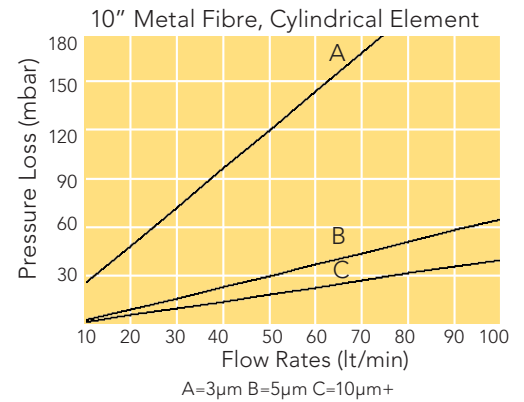
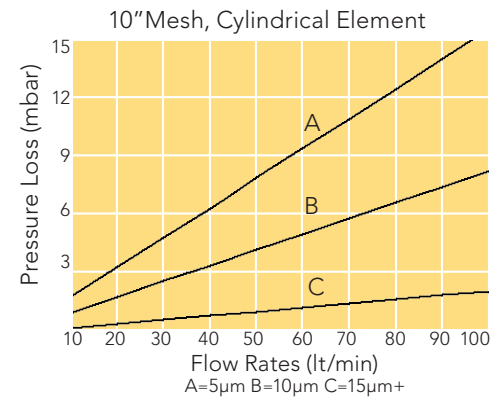
Maximum Operating Conditions

Temperature: 300°C

Recommended Maximum Differential Pressure:

Forward Flow: Cylindrical: 15 bar
Pleated: 25 bar
Reverse Flow: 3 bar with backflush support

The flow rate curves are for 10" plain cylindrical elements. To gain the clean pressure loss for all pleated elements, multiply the cylindrical element clean loss by 0.4.



AMAZON FILTERS LTD.

ALBANY PARK ESTATE, FRIMLEY ROAD
CAMBERLEY, SURREY, GU16 7PG
ENGLAND

Tel. +44 (0) 1276 670600
Fax. +44 (0) 1276 670101
Email. sales@amazonfilters.co.uk
Web. www.amazonfilters.com