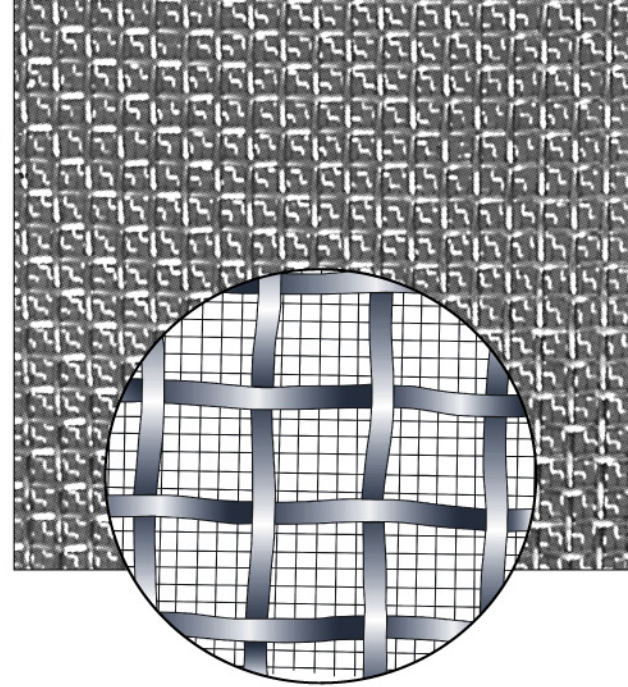
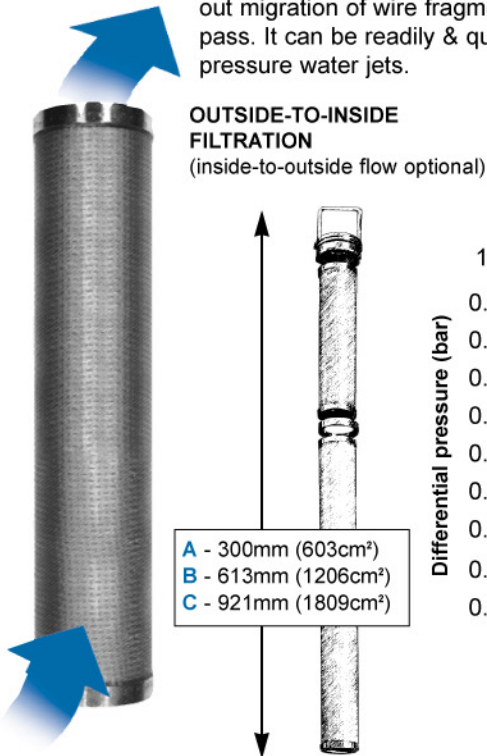


TOP-MESH FILTRATION MEDIA

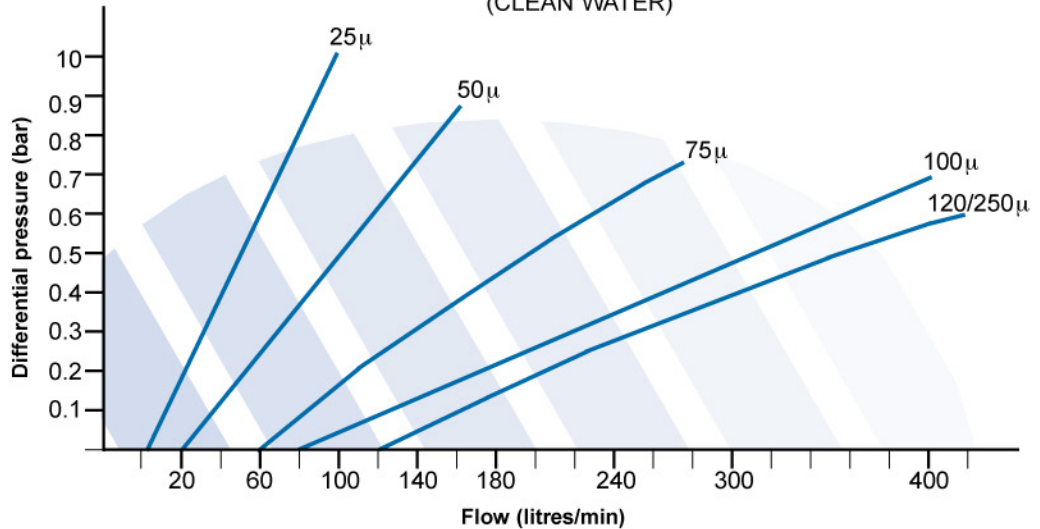
This revolutionary filtration media is changing the face of pressure filtration for a wide range of liquids. The secret of its success is a unique diffusion-bonding process for attaching the stainless-steel mesh to a rugged stainless-steel support mesh.

The robust characteristics of Top-Mesh permit its use at differential pressures where it achieves high levels of solids removal that exceed those previously known using conventionally-supported mesh elements. Constantly-changing dynamic loads exerted by the liquid do not affect the performance or life of Top-Mesh, whilst conventional unsupported media would crease or wrinkle until they finally split.

Top-Mesh has proved that it retains its integrity and high-performance without migration of wire fragments and without product by-pass. It can be readily & quickly cleaned by vigorous high-pressure water jets.



TYPICAL FLOW RATES FOR TOP-MESH (CLEAN WATER)



The heart of the Top-Mesh tubular element is a spiral wire structure of stainless steel which gives the support necessary to cope with higher operating/differential pressures and liquid viscosities.

In its design, Premier Filtration have specified 10mm spacing between contact points on the spiral support. This creates the highest possible open surface area for filtration.

Technical Specification

Pressure rated at	35 bar (max) at 90°C
Static test pressure	52.5 bar (30 mins) certified
Material of construction	316L grade stainless steel
Housing clamp (quick release)	304 grade stainless steel
Connections	1" BSPT (R) Standard 1.5" BSPT (R) Standard 2" BSPT (R) Standard
Flanges or RJT fittings	available on request
Seals	silicone, nitrile Viton, EPDM, PTFE (encapsulated)
Temperature range	90°C standard (higher on application)
Weight (dry)	"A" 15kg "B" 28kg "C" 41kg
Element size	300mm long x 64mm dia (603cm ²) (1, 2 or 3 per housing, depending on flow requirements. Please state length A, B or C.)

FILTER MEDIA

Premier's Hi-Flo filter housing can be supplied with the following alternative internal media:

	micron range	max operational differential pressure (bar)
Top Mesh stainless steel mesh on s/s spiral support	5 - 500	6
Woven polyester sleeve on s/s perforated mesh	5 - 250	2.5
Spiral radially wound wedge wire	15 - 2000	10
Stainless steel mesh on perforated support	10 - 1000	2.5
Pleated polypropylene disposable element	1 - 35	2.5
Synthetic wound element disposable	1 - 100	1.5