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ultrafilter (india) pvt. ltd.

**ultrafilter
international**

(An ISO 9001:2000 Certified Company)



Process Filters

**Taking Filtration to
new heights of Purity**

The elements of s

Increasingly sophisticated industrial processes and more demanding standards call for high levels of purity in fluids and gases that are an ingredient in the process. Extreme care and caution needs to be exercised on the filter element, filter housing, 'o'ring, gaskets, with respect to materials of construction, pressure drops, compatibility to fluid in service, etc.

Be it manufacture of antibiotics, aseptic food packaging, handling intermediates in bulk drug

manufacturing, fermentation in breweries, milk agitation in dairies, filtration of chemicals used in adhesive manufacturing, or filtration of by-products from fertilizer manufacturing, only the right choice in the selection of the Filter Cartridge with the appropriate Filter Housing will meet the stringent and demanding requirements of the application.

ultrafilter india pvt ltd. has always been at the forefront with its comprehensive product range, its expertise to offer solutions and systems for process filtration that are designed to help you reach the required levels of purity your process demands.

Sintered Stainless Steel

Made from sintered stainless steel this element is meant for use in applications where corrosive gases and steam place heavy demands. While being highly porous, the medium safely screens out solids and offers good resistance to chemicals. High contaminant precipitation, rates of flow and the regenerative capacity make it extremely economical to use. Also can be used for natural gas service.

- Available in 1, 5 and 25 microns.

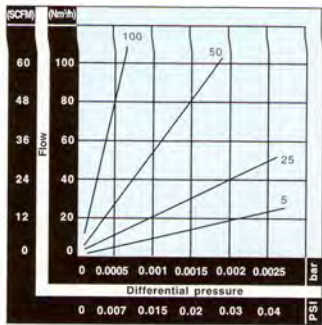
Sintered SS Mesh

Designed for use in applications with high concentration, this element is effective in filtering gases, air, water solutions and fluids. Welded wire-construction enables this element to withstand high differential pressures as well as handle viscous liquids. It successfully performs in applications involving high and low temperatures. It offers high economy as the medium is a regenerable stainless steel mesh.

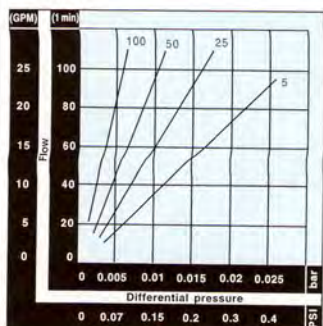


- Available in 5, 25, 50, 100 and 250 microns.

Medium : AIR,
P=1 bar (abs), T=20°C



Medium : Distilled Water,
T=20°C



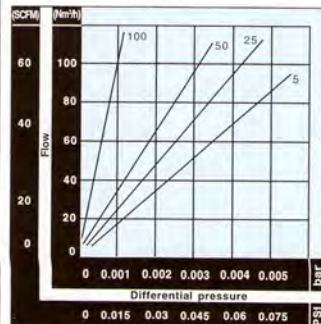
Pleated Sintered SS Mesh

The welded wire construction of this element and the optimum number of pleats, offer high economy and reliability. It can be used for gases and liquids and works efficiently under low and high temperature ranges. Offers long life between insertion and removal due to high filtration surface area.

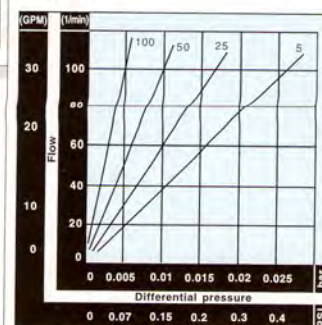


- Available in 5, 25, 50, and 100 microns.

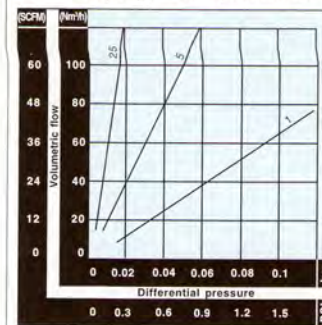
Medium : AIR,
P=1 bar (abs), T=20°C, r.F=70%



Medium : Distilled Water,
T=20°C



Medium : AIR,
P=1 bar (abs), T=20°C, R.H=70%



Notes : ■ The Curves show flow of a 10 " long filter element. ■ For viscosities other than water (1 cp), multiply flow by the centipoise value. This is applicable. **Some typical applications :** ■ Chemicals ■ Pharmaceuticals ■ Breweries ■ Beverages ■ Paints & Lacquers ■ Steel plants ■ General engineering

Superior Filtration

Steel



Pleated Poly Propylene 95% efficiency - PPTF

The special design of this element offers a superior alternative to string wound cartridges. The pleated star shape of the element provides higher filter surface area, that gives defined results with higher economy. The element offers excellent resistance to chemicals too and comes in 7 pore sizes.

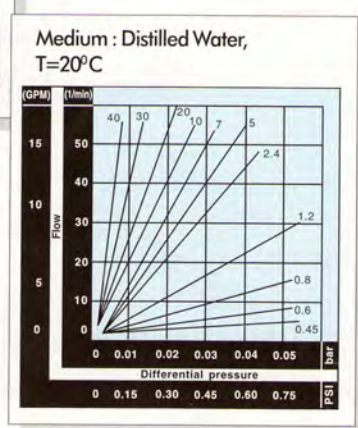
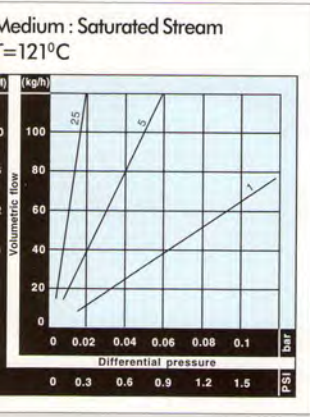
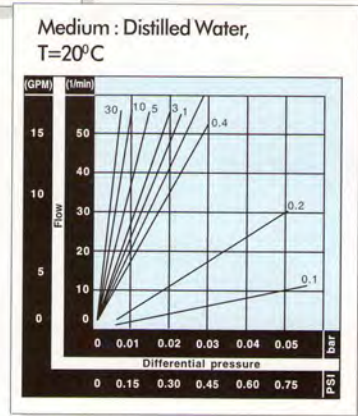
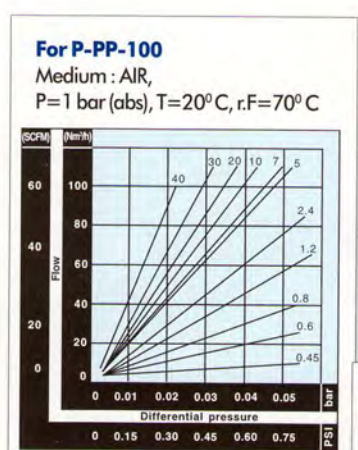
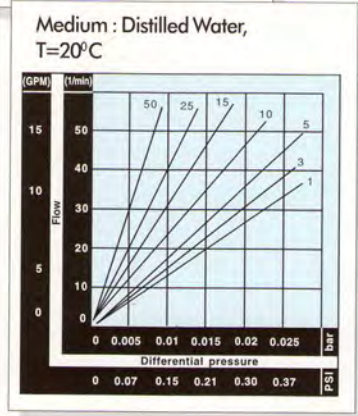
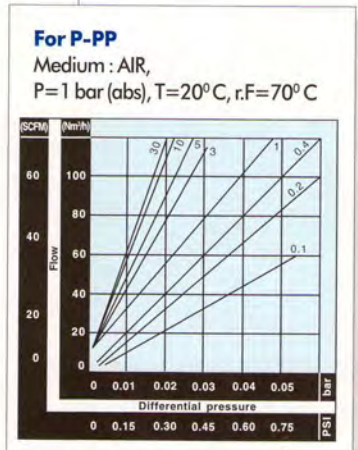
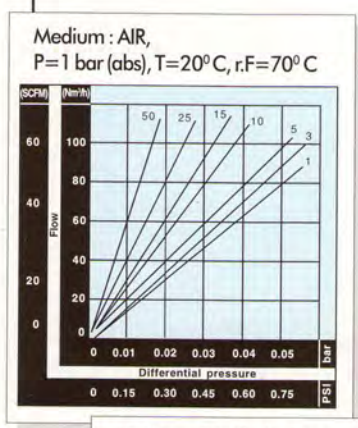
- Available in 1, 3, 5, 10, 15, 25 & 50 microns.



Pleated Poly Propylene 99% & 100% efficiency

The 100% polypropylene construction of this element gives it the property of inertness and high chemical resistance. As the medium has no binders and offers 100% retention, this filter element finds use in a host of applications in different industries:

- Micron rating - P-PP 0.1, 0.2, 0.4, 1.0, 3.0, 5, 10, 30.
- Micron rating - P-PP/ 100, 0.45, 0.5, 0.8, 1.2, 2.4, 5, 7, 10, 20, 30 & 40



Some applications where ultrafilter india has played a major role are

- Sterile Air Filters in the manufacture of antibiotics in Pharmaceutical industries
- Sterile Liquid Cartridge Filters for DM Water used in Beverage manufacturing
- Sterile Air Filters in the Aseptic Packaging of Food Products and Dairies
- Liquid Cartridge Filters used in the filtration of intermediates in bulk drug manufacturing

Sterile Reversible Flow

This filter element has been designed to meet the need for 100% sterile compressed or process air. The specially developed three dimensionally layered filter medium is non fibre-releasing and offers high loading capacities for bacteria and particles. The sterile filter element offers constant operating safety and superior economy even under high pressure.

- Can be validated to HIMA standards. LRV > 7/cm² for T1 Coliphages



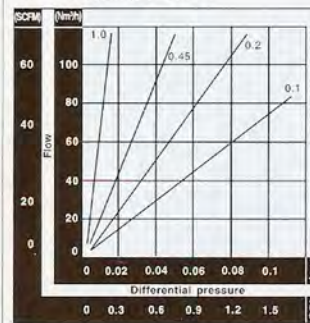
Pleated Teflon Membrane

This filter element uses a Teflon membrane that offers high chemical resistance, high efficiency and economical pressure resistance. It effectively removes bacteria from compressed air and gas streams, even under saturated conditions. It effectively filters liquids too when prewettet.

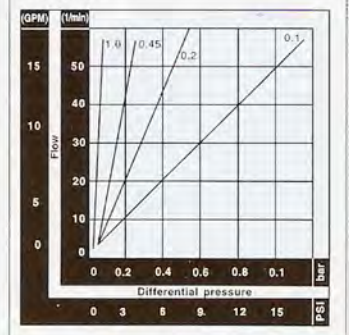
- Available in 0.1, 0.2, 0.45 & 1 microns
- Can be validated to HIMA standards LRV > 7/cm² for Pseudomonas Diminuta



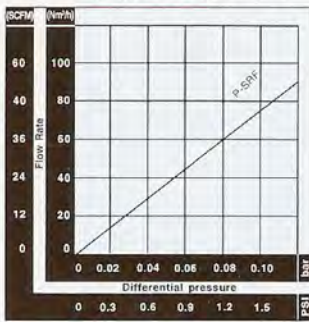
Medium : AIR,
P=1 bar (abs), T=20°C



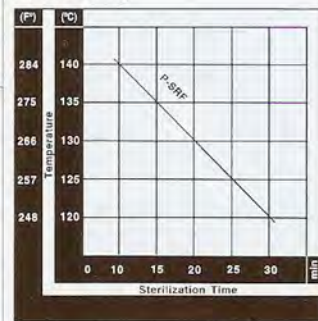
Medium : Distilled Water,
T=20°C



Medium : AIR,
P=1 bar (abs), T=20°C, R.H=70%



Medium : Saturated Stream,
(Condensing)



- Steam Filters for purification of steam used for sterilization
- Filtration of various intermediate chemicals used in Adhesive manufacturing
- Filtration of Cumene solutions
- Removal of Oil from Hydrogen Gas used in the Hydrogenation of Vegetable Oils
- Natural Gas Filtration
- Sterile Liquid Cartridge Filters used in Mineral Water manufacture and many more...

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