

Why you need filtered Liquids

To protect costly quality, maintain processing efficiency and reduce downtime, it's important to remove particulates from components liquids and final liquid products prior to filling. Micropure Trap Filters help prevent line debris from entering your product by filtering out particulate and other process contaminants as small as 3 microns.

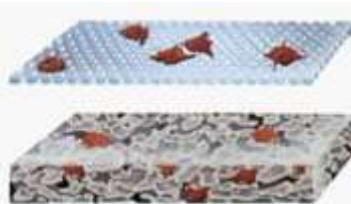
How MICROPURE does it better

Micropure Trap Filters feature a patented segmented design that offers significant advantages over conventional filter cartridges.

Woven stainless steel filter media – supported by stainless steel segmented discs in stainless steel housing – maintains its integrity under conditions that cause conventional sintered media to disintegrate.

Unlike other filter media that have a shorter life and must be disposed or removed frequently for acid cleaning, MICROPURE filter media can be easily and repeatedly cleaned by backflushing for a full year under normal use. When replacement finally becomes necessary, the cost is considerably less than our competitors. The reason: only the media is replaced, not the entire element.

The picture to the right shows the difference between the two types of media. Our media traps all particles upstream where the competitor's filter traps the particles. Our media has a one year warranty on strength and integrity and the competitor's cartridge can disintegrate after repeated heat treatments.



MICROPURE has the filter size you need from 16 gal/hr to 4,200 gal/hr (based on water, 3 um grade). If requirements change, you can often keep the same housing. By changing the media porosity or the number of segmented filter discs you can meet your new requirements.

Micropure Trap Filters give you significantly more control over the quality of your product at every critical phase of operation. Our Stainless steel filter media can be repeatedly backflushed, your downtime and replacement costs are considerably less. With MICROPURE, liquid filtration is simple, effective and cost efficient.

No other filter offers this combination of features:

- Segmented design allows exchange of media to meet changing requirements, inspect elements, or to replace old elements
- Available in multiple sizes from 3 to 50 microns and 4 diameter sizes for exceptional versatility
- Housing and Segmented Discs warranted for 5 years
- Bi-directional flow capability
- Built of high grade stainless steel- to tolerate extreme pressure and temperature variations for unlimited reusability
- Easy to design into virtually any process system



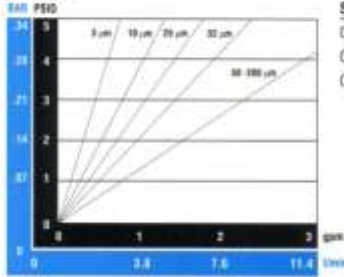
The patented segmented construction of MICROPURE filters offers significant advantages over conventional cartridge filters (shown above). Steam flows into the openings on the outside of each segment disc and passes through the filter and into an adjacent disc. Filtered steam exits through the opening at the center of the cartridge, free from contaminants that can affect the quality of your product.



Flow Rate vs. Pressure Differential Chart

Water Flow

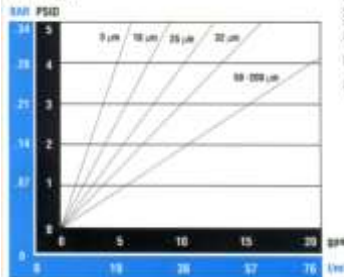
SF-0604



Conversions

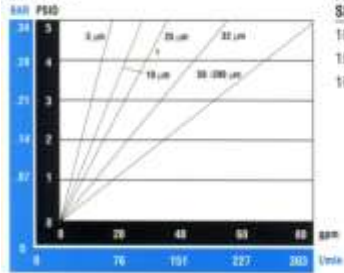
| For SF- | Multiply PSID (bar) by: |
|---------|-------------------------|
| 0602 | 2.0 |
| 0606 | 0.7 |
| 0802 | 0.7 |

SF-0808



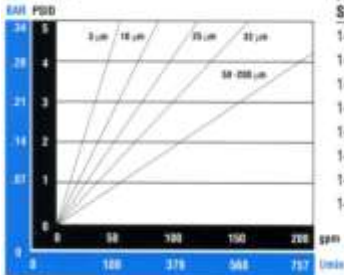
| For SF- | Multiply PSID (bar) by: |
|---------|-------------------------|
| 0804 | 2.0 |
| 0806 | 1.3 |
| 0810 | 0.8 |

SF-1012



| For SF- | Multiply PSID (bar) by: |
|---------|-------------------------|
| 1008 | 1.5 |
| 1010 | 1.2 |
| 1014 | 0.9 |

SF-1416



| For SF- | Multiply PSID (bar) by: |
|---------|-------------------------|
| 1408 | 2.0 |
| 1410 | 1.6 |
| 1412 | 1.3 |
| 1414 | 1.1 |
| 1418 | 0.9 |
| 1420 | 0.8 |
| 1426 | 0.6 |
| 1432 | 0.5 |

Warranty

Micropure Filtration, Inc. provides a five year limited warranty on all parts except O-rings and media. A one year warranty on filter media is based on periodic backflushing to prevent overloading. These warranties extend only to components purchased from Micropure or a certified Micropure Filtration Vendor.

Technical Data

| | | |
|-------------------------------|---|---------|
| Maximum Operating Pressure | 232 psig | 16 bar |
| Maximum Differential Pressure | 75 psid | 5.2 bar |
| Maximum Reverse Pressure | 75 psid | 5.2 bar |
| Pore Sizes | 3,5,10,25,32,50 micron. (Other sizes available upon request) | |
| Material of Construction: | | |
| Housing | 304 SS | |
| Segmented Filter Discs | 304 SS | |
| Filter Media | 304 SS | |
| O-Rings | EPDM | |

Typical Applications

Final product filtration before filling

-Beverage

Trap filtration of celite and yeast cells downstream of DE filter

-Brewing

Liquid product clarification

Liquid pre-filtration



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