



FILTRATION SOLUTIONS FOR GAS & LIQUID MICROFILTRATION

Donaldson is the leading worldwide manufacturer of Tetratex[®] microporous expanded PTFE membranes, films and laminates. A technology-driven company committed to satisfying customer needs through innovative research and development, with sales offices located throughout America, Europe and Asia.

Donaldson places great emphasis on high quality manufacturing and customer service and is both ISO9001 and ISO14001 registered, testaments to our high standards.

CREATING RELIABLE PROTECTION IN PARTNERSHIP

Tetratex ePTFE membranes perform solid/liquid separation, purification and sterilization functions in a variety of liquid ultra-high purity gas microfiltration systems:

- Pleated cartridge filters
- Capsule and point of use filters
- Laboratory disc filters

THE BENEFITS OF TETRATEX:

- 1. Particle Retention** - Removal of micro-organisms, aerosols and small particles.
- 2. Increased Flow Rates & Throughput** - Tetratex membranes and laminates provide high air flow, low pressure drop while maintaining a consistent pore size; helping to increase filter life and reduce operating cost.
- 3. Reduced Shedding and Minimal Extractables** - Tetratex membranes and laminates are produced with non-shedding materials that comply with stringent extractable limits.
- 4. Bacterial Retentive Membrane** - A variety of Tetratex bacterial retentive membranes are available.
- 5. USP Class VI Compliant** - We offer a range of membranes and laminates that are USP Class VI compliant; which meet both toxicity requirements and residual limits.
- 6. Steam Sterilization** - For food, beverage and pharmaceutical applications, Tetratex media is routinely sterilized with steam or ethylene oxide by our customers.
- 7. Chemically Resistant** - Tetratex PTFE products can provide excellent chemical resistance in a variety of applications that involve challenging process conditions. Depending on the application, appropriate backing materials can be used in ePTFE laminates.
- 8. Inherently Hydrophobic** - Tetratex ePTFE membrane is made from pure PTFE without any residuals or fillers. PTFE is inherently hydrophobic and has excellent water repellency.



CONFIGURATIONS

Tetratex ePTFE membrane can be converted into pleated cartridges, capsules, inline filters and disks. Our membrane pore sizes range from **0.05 to 5 microns** and are also available thermobonded to a variety of substrates. These materials can be used in pleated cartridge filters for liquid and gaseous filtration applications such as pharmaceutical, electronic and sterile air, and process filtration.

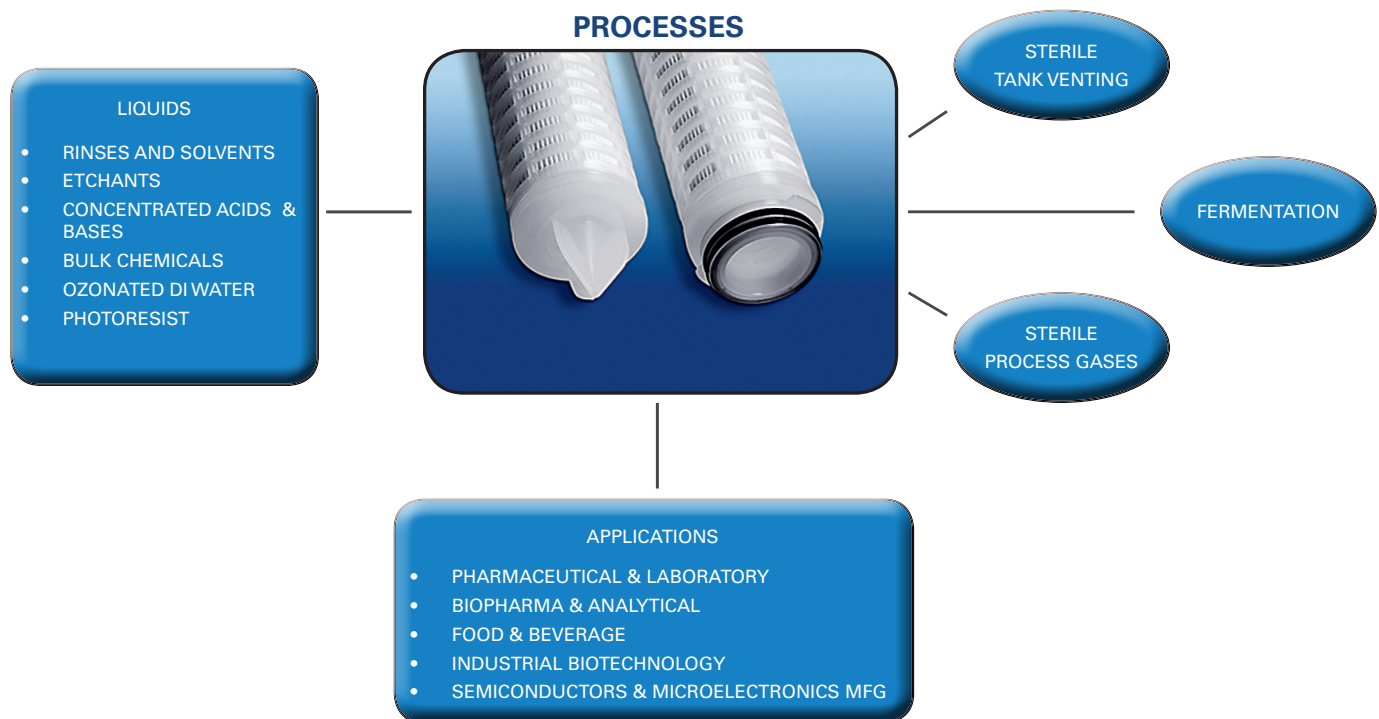
PERFORMANCE CHARACTERISTICS

- USP Class VI Compliant
- TOC/Conductivity
- Retentive against Endotoxins
- Non-Volatile Extractable (NVE)
- Oxidizable Substrates
- Bacterial X/Viral
- Sterilizable



APPLICATIONS

Typical applications include cell retention, particle collection and sterile filtration of solutions, particulate analysis and microbiological analysis.



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