

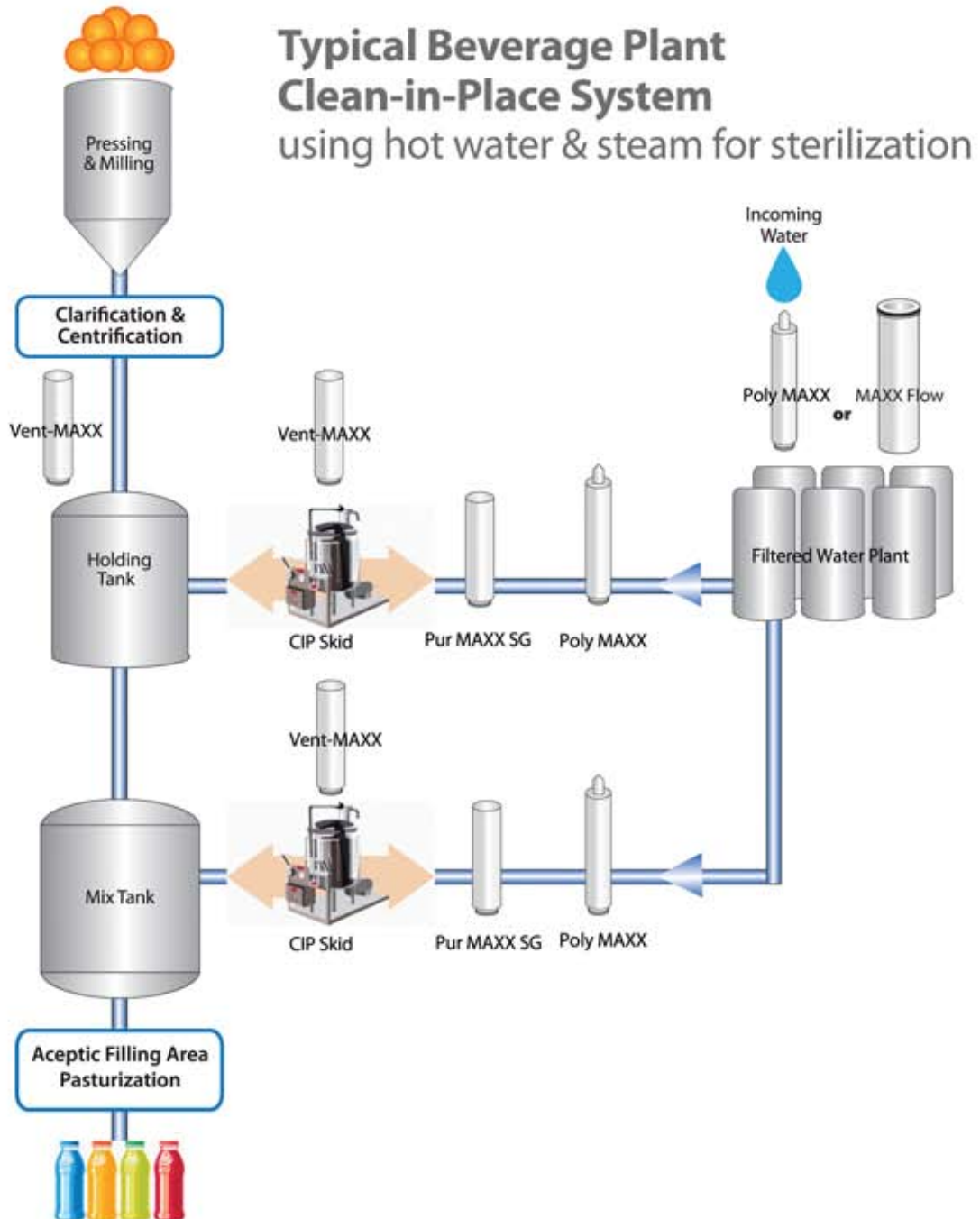
THE STRAINRITE COMPANIES

Designing and Manufacturing
Leading-edge Filtration
Products Since 1978.

CIP FILTRATION | HOT WATER & STEAM STERILIZATION



The STRAINRITE Companies | World Class Filtration





Pur-MAXX E-SG

Dual Layer Pleated Polyethersulfone Membrane Sterilizing Grade Cartridge

The Pur-MAXX E-SG is engineered to meet the highest standards of microorganism control for sterile fluids. Pur-MAXX E-SG filter element is validated for complete removal of *Brevundimonas diminuta* (ATCC 19146) at test concentrations of 10^7 CFU/cm² (Colony Forming Units). This product is ideally suited for applications where microorganism contamination causes product defects or extra processing time due to increase fluid instability.

Pur-MAXX E-SG is produced utilizing a unique multi-pleated configuration integrating highly asymmetric and hydrophilic polyethersulfone membrane with exceptional pleat support materials. This novel multi-pleated approach increases cartridge life, strength and durability. This structural product enhancement allows our filter cartridges to withstand multiple sterilization cycles without sacrificing product integrity.

This Sterilizing Grade pleated cartridge complies with FDA CFR Title 21 and USP Biological Reactivity for Class VI Plastics. By combining these ultra pure components with the low protein binding features of highly asymmetric hydrophilic polyethersulfone membrane makes Pur-MAXX E-SG perfect for applications in the biopharmaceutical, and bottled water industries.

Features & Benefits

- Validated 0.2 μm absolute rated membrane configuration high surface area membrane offers excellent life and flux rates while providing absolute filtration
- Absolute-rated dual layer membrane provides reliable, consistent and repeatable filtrate quality
- Low pressure drops yield higher flow rates and reduced processing time
- Non-fiber shedding Polypropylene support materials eliminate fiber migration
- MAXX-imum Pleat Design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per element
- All materials of construction are FDA compliant with CFR Title 21 and are bio-safe in accordance with USP Class VI
- 100% Thermally bonded construction
- Low hold-up volumes
- Integrity tested
- High strength design allowing for extended use and multi autoclave and hot water sanitization cycles
- 316 SS reinforced end treatments

Typical Applications:

Final filtration of:

- WFI & CIP Water
- Cell Culture Purification
- Buffer Solutions
- Vaccines
- Diagnostics
- LVP (Large Volume Parenterals)



Vent-MAXX

Sterilizing PTFE Membrane Vent Filter

The Vent-Maxx gas sterilizing filters set a new standard for PTFE membrane elements. These filters utilize a technologically advanced membrane in our unique pleat construction to deliver unrivalled efficiency, superior strength, and high flow rates.

Vent-Maxx double layer PTFE membrane filters are designed to remove microorganisms, particulate, and moisture in your most demanding air and gas applications. These liquid validated sterilizing grade filters are designed to meet the highest levels of security required in the pharmaceutical, food and beverage, and biopharmaceutical industries.

Vent-Maxx filters conform to USP Class VI – 121oC and 21 CFR Part 177. Strainrite delivers clear solutions to your air and gas filtration applications.

Features & Benefits

- PTFE membranes
- Inherently hydrophobic media
- 100% integrity tested
- High surface area
- Sterilizing Grade in liquids
- Virus retentive in gases
- Thermally bonded construction
- FDA listed materials per CFR 21
- Manufactured in a ISO 9001:2008 certified facility
- Water intrusion testable
- Quality control certificate with every filter
- Can be steam sterilized multiple times in situ for longer filter life
- Manufactured in a 3rd party certified clean room

Typical Applications

- Fermenter inlet air and exhaust venting
- Sterile process air
- Sterile venting of tanks



Maxx Flow

As a leader in the dynamics of inside-out fluid filtration for over 35 years The Strainrite Companies is proud to add the Maxx Flow to our family of large pleat geometry products. It is well known that inside out flow elements have higher dirt holding capabilities and offer hygienic superiority over typical outside-in fluid filtration filters. The Maxx Flow filters unique large pleat geometry makes it capable of handling up to 500gpm in a 60" length, which is a perfect solution for high flow rate applications.

Features & Benefits

- Large diameter pleat configuration for high flow rates
- High dirt holding capability due to extensive surface area
- 99% rated filter media for consistent and repeatable performance
- Capable of flow rates up to 500gpm per filter
- Injection molded cage for superior strength and element integrity
- Inside-out filter retains all contaminants inside the filter during change-outs
- Thermally bonded construction
- Available in 20", 40", 60" & 80" lengths

Poly-Maxx

Polypropylene Pleated Depth Cartridges

Strainrite's Poly-MAXX, all-Polypropylene, filter cartridges are designed to optimize throughput while achieving absolute and repeatable effluent quality. Our filter media is constructed on the latest continuous Micro-Fiber blowing equipment that accurately controls fiber diameter and integrity. Utilizing state-of-the-art on-line monitoring equipment, Strainrite delivers the industry's most uniform and consistent media, ensuring unparalleled product consistency. Our 100% Polypropylene construction provides an expansive chemical compatibility range for your most demanding applications. All materials of construction meet the requirements of USP Class VI and CFR 21 for food and beverage contact.

Features & Benefits

- Absolute-rated media provides reliable, consistent and repeatable filtration
- Low pressure drop yields higher flow rates and reduced processing time
- MAXX-imum pleat design for greater surface area, ensuring longer service life, less downtime and reduced operating costs per cartridge
- 100% Polypropylene, FDA compliant with CFR 21 and USP Class VI
- Thermally bonded construction minimizes extractables, eliminating particle bypass





STRAINRITE

Service and Warehouse Locations

Strainrite Corporate Headquarters

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Strainrite Southeast

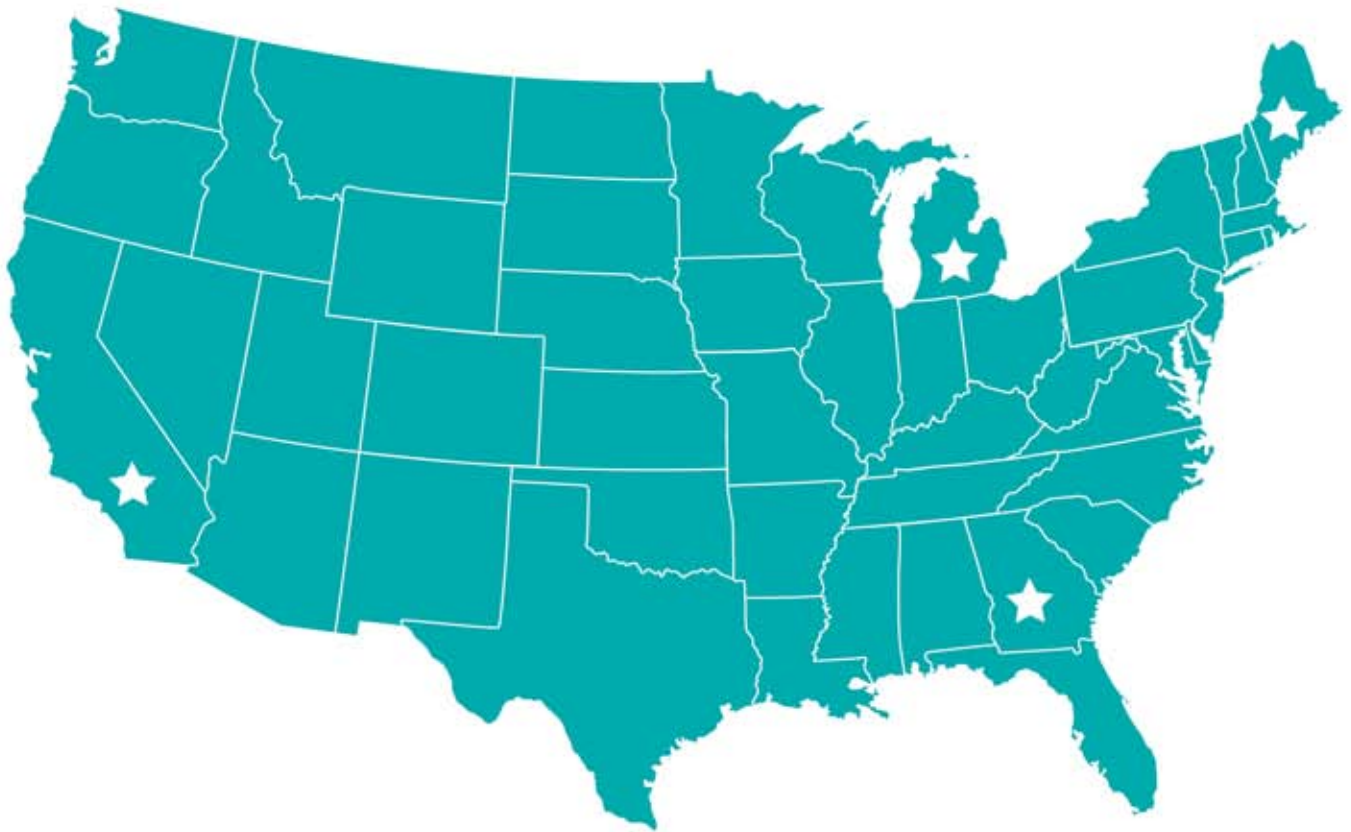
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Offering superior technical sales and live customer support.