

# NEW TECHNOLOGY PREVIEW: SINGLE STAGE FULL-SPECTRUM PARTICLE SIZE FILTRATION WITH A SUSTAINABLE MEDIA PLATFORM

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Obsoletes Complexity and Capital/Operating Costs of Multi-Stage Processes Typically Associated with Technologies Currently Employed as Pretreatment to Either Submicron or Microbial Filtration (and/or Inactivation).

- Submicron Filtration (0.2 Micron Currently Available and Potential Capabilities for UF and NF).
- High Loading Rate Capabilities.
- Low Volume Waste Cleaning Cycle (99%+ Recovery)
- Low Operating Pressure (DP~1psi)
- Extremely Energy Efficient
- Compact and Lightweight
- Units Can Operate Under Pressure, Vacuum or Open Basin
- Modular Design Allows for Multiple unit Systems

EXAMPLES OF FLOW CAPACITY AND SYSTEM SIZE (Inches):

Filtrate	Width	Length (Inches)	Height
125	30	36	40
646	32	144	40
2102	42	240	48
3003	48	240	60

OVERVIEW OF LFM's FILTRATION TECHNOLOGY AND INTELLECTUAL PROPERTY

- What does the equipment look like.
- Overview of Process Design
- Overview of Pilot Studies, Performance and Operational Data
- How Robust is it