

# MASTERpak™ MICRO

## OVERVIEW:

- Complete turnkey ultrapure water system
- Product quality exceeds global pharmacopoeia standards including most lab water standards and can also meet Ambient Water for Injection standards.
- Minimized environmental water and energy footprint
- Lowered risk of biological loop contamination and potential product contamination
- Advanced integrated controls system
- Optimized capital and operational costs
- Optional complete validation package with IQ, OQ, and PQ protocol with or without execution
- Supported by MECO full range of on-site services, including service deionization tanks that are regenerated in a USP dedicated plant, eliminating the risk of loop contamination from co-mixing resin with an industrial or water reuse application.
- Backed by warranty
- Low OPEX cost for chemicals, water, electricity and square footage

## PRODUCT HIGHLIGHTS:

### Standard Features and Equipment Details

- ASTM Type 1, 2, USP Purified, CLSI, CLRW, AAMI ST108, or HPLC Grade Water Quality
- Makeup or generation capacities from 1,000 - 20,000 GPD
- Recirculation with quiet, VFD-controlled distribution pump
- Optional high intensity 185/254nm UV for ultra low TOC values
- Up to 50% lower power consumption
- Optional storage tank sizes
- Sanitary system design with Infrared Heat-fused polypropylene piping
- Instrumentation for continuous monitoring

## SERVICE COMMITMENT:

### We handle the water. You handle the Science.

- **System Installation & Commissioning** – Expert setup to ensure peak performance from day one.
- **Routine Maintenance & Compliance Support** – Protecting system integrity and meeting regulatory standards.
- **Service Deionization (SDI) & Regeneration** – Dedicated ultrapure water resin exchange with no cross-contamination.
- **Emergency Repairs & On-Call Support** – Immediate response to prevent downtime.
- **Upgrades & System Optimization** – Enhancing existing systems to improve efficiency and sustainability.



MODEL	CAPACITY IN GPM
MP0.5M	3-5
MP1M	8-12
MP1.5M	20-35
MP2M	30-50
MP2.5M	45-70
MP3M	60-90

