

# Better Water at Lower Cost

## Proven **C**ontinuous **U**ltra **F**iltration Performance

**80%**

Capital  
Reduction

**75%**

Footprint  
Reduction

**80%**

Chemicals  
Reduction

**50%**

Energy  
Reduction

**50%**

OpEx  
Reduction

- ✓ The Platform is the Plant
- ✓ Zero Liquid Discharge
- ✓ 250 GFD on Surface Water
- ✓ Multi-Contaminant Removal Capacity
- ✓ Lowest O&M Cost Structure
- ✓ Fully Automated
- ✓ >99% On-Line Duty
- ✓ Continuous Self Cleaning
- ✓ ANSI 61 Compliant
- ✓ LT2ESWTR Compliant
- ✓ Reduced Complexity
- ✓ > 25 Year Membrane Life
- ✓ 50% Less Coagulant
- ✓ In-Situ Concentrated Sweep Floc
- ✓ Low-Cost Marker Based DIT
- ✓ Twice the DOC Removal
- ✓ Best Warranty
- ✓ Constant Flux Capability
- ✓ Eliminates Backwash Process
- ✓ Eliminates Backwash Tank
- ✓ Eliminates Clarifier
- ✓ Eliminates Flocculation or Polymer
- ✓ Eliminates Clean In Place (CIP)
- ✓ Eliminates Membrane Replacement
- ✓ Eliminates Filtrate Loss
- ✓ Eliminates Pre-Treatment
- ✓ Eliminates Chloramination
- ✓ Eliminates Permanganate
- ✓ Eliminates Temperature Constraints
- ✓ Eliminates Jar Testing
- ✓ Eliminates Bubble Decay Test
- ✓ Eliminates DIT Volumetric Concentration
- ✓ Eliminates Filter Press
- ✓ Eliminates 0.3 Micron Prefilter
- ✓ Eliminates Pressure Constraints
- ✓ Eliminates pH Constraints





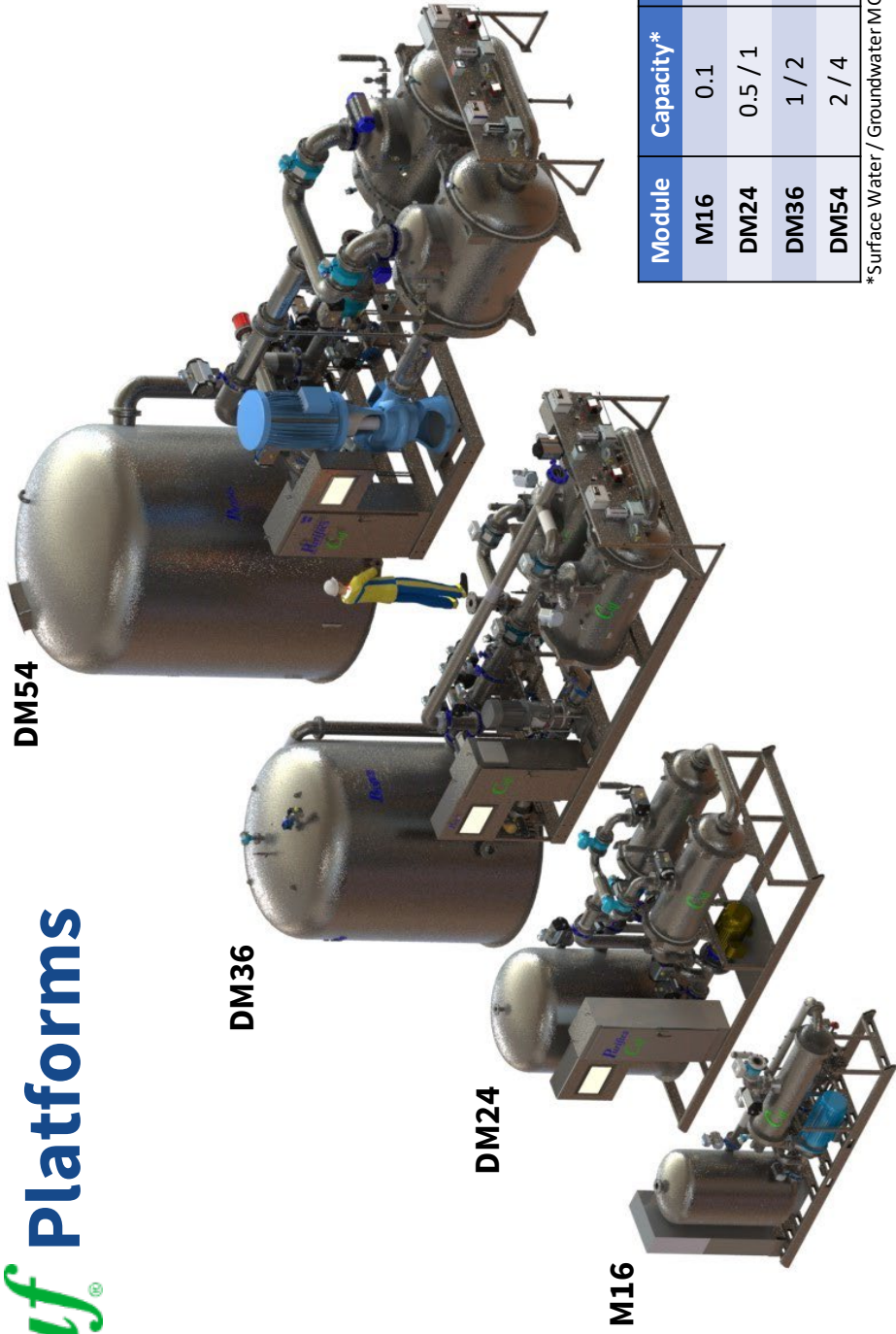
- ✓ Allows Free Chlorine Use
- ✓ Reduces Cl<sub>2</sub> Demand
- ✓ 5.7 LRV Approval
- ✓ THM & HAA Compliance
- ✓ All Filtrate to Distribution
- ✓ Only Level 2 Operator Required
- ✓ Continuous Flow
- ✓ 99.99% Feed Water Recovery
- ✓ Accepts Feed Pressure 0-150 psi
- ✓ Most Hydrophilic Membrane (SiC)
- ✓ Exceptional Cold-Water Performance
- ✓ Lower TMP & X Pressure
- ✓ Factory Acceptance & Review
- ✓ Factory Training Prior to Shipment
- ✓ Taste & Odor Removal
- ✓ In-Situ Coagulation
- ✓ In-Situ Oxidation
- ✓ In-Situ Reduction
- ✓ Virtually Indestructible
- ✓ Flexible Design Can Incorporate PAC
- ✓ 5<sup>th</sup> Generation 100% SiC Ceramic Membrane
- ✓ Eliminates Cleaning Constraints
- ✓ Eliminates Prorated Warranty
- ✓ Eliminates Irreparable Fouling
- ✓ Eliminates Coagulant Breakthrough
- ✓ Eliminates Onsite Fabrication
- ✓ Eliminates Continuous Operator Adjustments
- ✓ Eliminates Composite bigger **α** Alumina Ceramic
- ✓ Eliminates Air Sparging
- ✓ Eliminates Intermittent or Batch Processing
- ✓ Eliminates Ion Exchange (SIX)
- ✓ Eliminates Flux De-Rating Due to Cold Water
- ✓ Eliminates Membrane End-of-Life
- ✓ Eliminates Dead-End
- ✓ Eliminates Just a Filter
- ✓ Eliminates Pinning
- ✓ Eliminates Charge Neutralization
- ✓ Eliminates Risk of Cross-Contamination
- ✓ Eliminates Complexity/Confusion
- ✓ Eliminates UV
- ✓ Eliminates Membrane Preservative

**Learn More:** <https://www.youtube.com/watch?v=bs1vtEjZjbw>





# Cuf Platforms



Module	Capacity*	L x W x H
M16	0.1	10' x 2.5' x 6'
DM24	0.5 / 1	15' x 6' x 8'
DM36	1 / 2	22' x 8' x 10'
DM54	2 / 4	28' x 12' x 12'

\*Surface Water / Groundwater MGD at 250 GFD Flux

