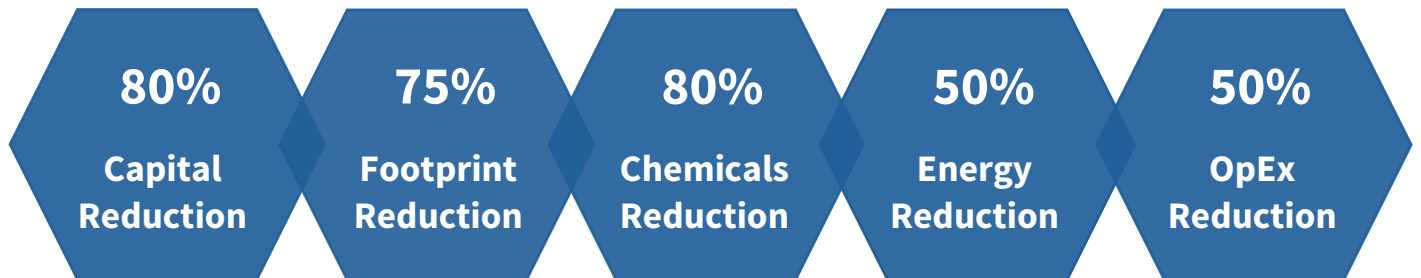


Better Water at Lower Cost

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



- ✓ All Weather Performance Capability
- ✓ 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
- ✓ NSF/ANSI/CAN 61-372 Compliant
- ✓ LT2ESWTR Compliant
- ✓ Reduced Complexity
- ✓ No End Life of Membrane
- ✓ 50% Less Coagulant
- ✓ In-Situ Concentrated Sweep Floc
- ✓ Low-Cost Marker Based DIT
- ✓ Twice the DOC Removal
- ✓ Best Warranty
- ✓ Eliminates Backwash Process
- ✓ Eliminates Backwash Tank
- ✓ Eliminates Clarifier
- ✓ Eliminates Flocculation & Polymer
- ✓ Eliminates Clean In Place (CIP)
- ✓ Eliminates Membrane Replacement
- ✓ Eliminates Filtrate Loss
- ✓ Eliminates Pre-Treatment
- ✓ Eliminates Chloramines
- ✓ Eliminates Permanganate
- ✓ Eliminates Temperature Constraints
- ✓ Eliminates Jar Testing
- ✓ Eliminates Bubble Decay Integrity Test
- ✓ Eliminates DIT Volumetric Concentration
- ✓ Eliminates Filter Press
- ✓ Eliminates 0.3 Micron Prefilter
- ✓ Eliminates Pressure Constraints
- ✓ Eliminates pH Constraints





- ✓ Constant Flux Capability
- ✓ Allows Free Chlorine Use
- ✓ Reduces Cl₂ Demand
- ✓ 5.7 LRV Approval
- ✓ THM & HAA Compliance
- ✓ All Filtrate to Distribution
- ✓ Minimal Operator Requirement
- ✓ 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 Carbon
- ✓ 5th 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 Ceramic
- ✓ Eliminates Air Sparging
- ✓ Eliminates Intermittent or Batch Processing
- ✓ Eliminates Ion Exchange (SIX)
- ✓ Eliminates Flux De-Rating Due to Cold Water
- ✓ Eliminates Primary Disinfection
- ✓ 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
- ✓ 0 to 100% Turndown Capability

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





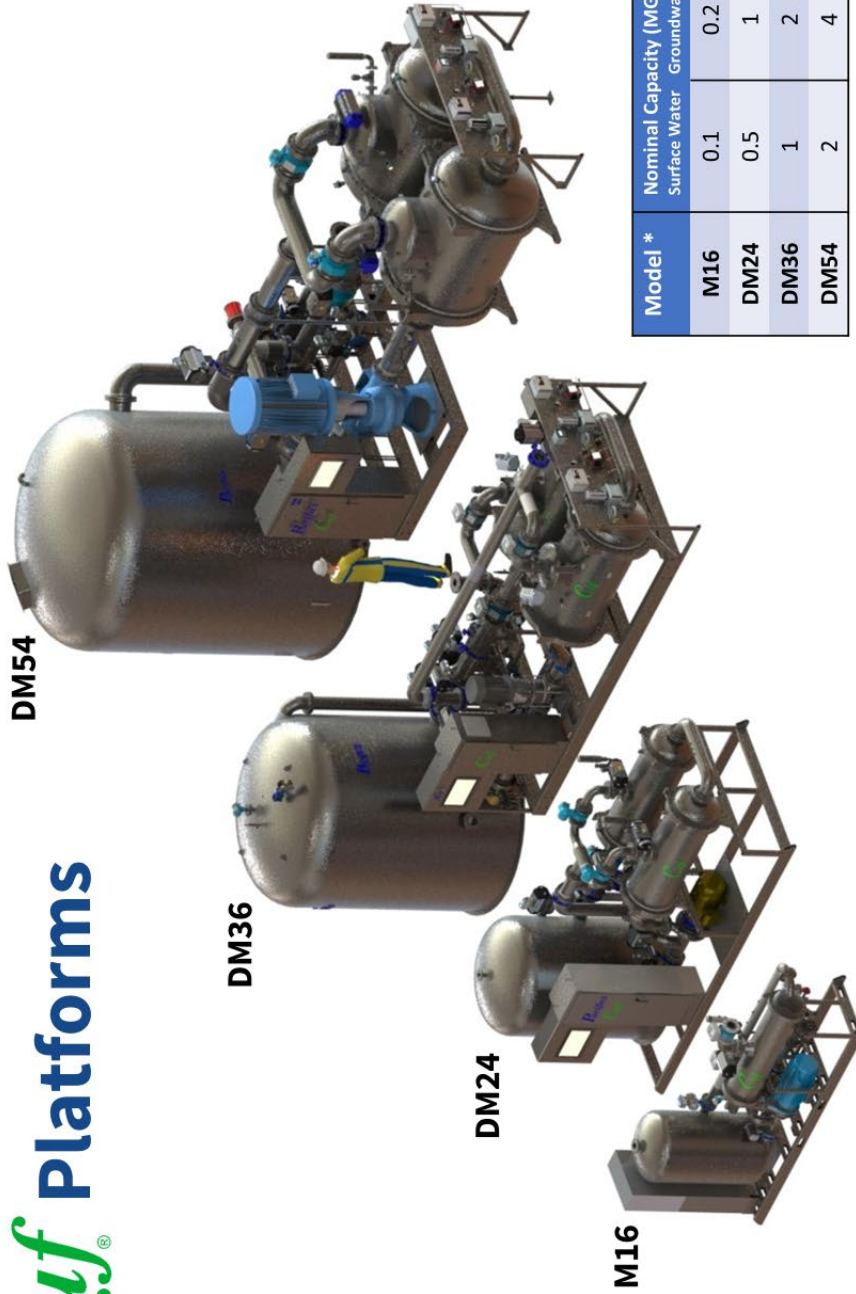
Typical Contaminant Removal Performance

Contaminant (ppb)	Raw	Post
E. coli/Crypto		5.7 LRV
Aluminum		
Antimony	10	< 2
Arsenic	8.3	< 5
Barium	36	1.9
Beryllium	4	< 1
Cadmium	300	< 1
Chromium (6)	21	< 2
Cobalt	310	< 1
Color (CU)	256	17
Complexed Copper		
Copper	74	0.61
DOC/TOC (ppm)	3.3	<1.0
THM/HAA	>80	<14
Fluoride	4500	1700
H₂S	2.63	<0.006
Hardness		
Iron	47000	58
Lead	3.8	< 1
Manganese	6700	6.2
Mercury	0.15	< 0.2
Molybdenum	1.4	1.1
Nickel	140	< 2
PFAS (ppt)	2.5 – 6.7	<2
Phosphorus	129	4.3
Radium 226/228	2.2/2.8	0.2/<1.0
Selenium	6.1	< 5
Silver	1	< 1
Thallium	10	< 2
Tin		
Uranium		
Vanadium	22	2.1
Zinc	420	< 20





Cuf Platforms



Model *	Nominal Capacity (MGD)		L x W x H
	Surface Water	Groundwater	
M16	0.1	0.2	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'

* DM Signifies Dual Module System. All DM Platforms can be supplied as M platforms only and be expanded to DM at future date.

