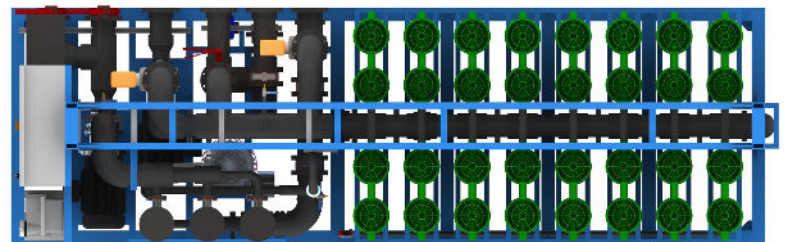
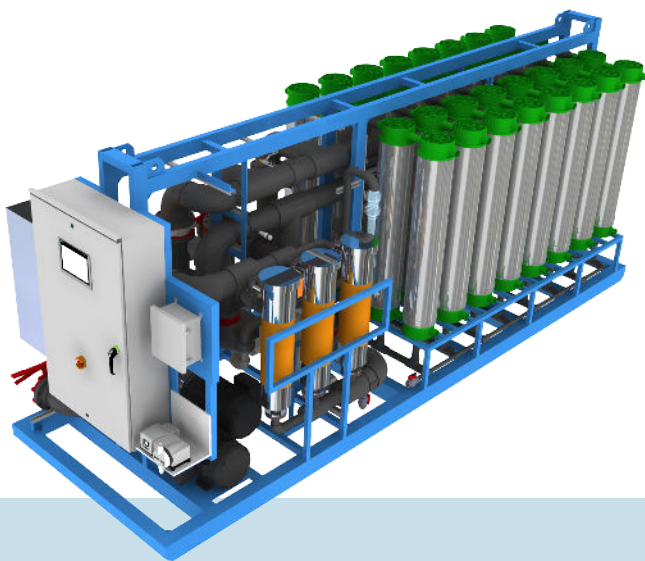


## Specific Features

- 10" Hollow Fiber Cartridges
- Siemens Control Panel with Programmable Logic Controller (PLC)
- 12" Siemens Touch Panel Display
- Stainless Steel Feed, Back Flush and Centrifugal Pumps with Variable Frequency Drives (VFD)
- Rotary Air Blower
- Automatic Control Valves
- Low Pressure Operation at <17.4 psi (1.2 Bar)

## Options Available

- Allen-Bradley PLC
- Data Logging Module
- Turbidity Meter
- Saline Water Configuration
- Containerized Unit
- LAN/SCADA Interface



### MEMBRANE CARTRIDGE SPECIFICATIONS

**Structure:** Hollow Fiber  
**Surface Area (nominal):** 646 ft<sup>2</sup> (60 m<sup>2</sup>)  
**Pore Size:** 0.025 μm  
**Membrane Material:** Hydrophilic Modified PAN (or PES)  
**Cap, Socket & Housing Material:** uPVC  
**Flow Type:** Out to In  
**Filtration:** Dead End Mode



### OPERATING PROCESS AND PARAMETER

**Operating Temperature:** 113°F (45°C)  
**Operating TMP (max):** 14.7 psi (1.0 Bar)  
**Operation pH:** 2-10 PAN (2-12 PES)  
**Max. TSS Feed:** <350 mg/L  
**Max. NTU Feed:** <300 NTU  
**Re-generation:** Back Flush (In to Out)  
 Forward Flush with Air Scouring



### CLEANING PROCESS AND PARAMETER

**Clean Temp (max):** 113°F (45°C)  
**Chlorine Cleaning (max):** 100 mg/L PAN (200 mg/L PES)  
**pH Range:** 1-10 PAN (1-13 PES)  
**Back Flush Duration:** 30-60 sec  
**Air Scouring/Forward Flush:** 30-60 sec

MODEL:	UF02-10U	UF04-10U	UF10-10U	UF16-10U	UF24-10U	UF32-10U	UF40-10U	UF48-10U
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**Design Flow (20 gpm)**

# of Cartridges:	2		4		10		16		24		32		40		48	
Units:	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr	gpm	m <sup>3</sup> /hr
Flow:	40	9.1	80	18.2	200	45.5	320	72.7	480	109.1	640	145.5	800	181.6	960	218.2
Backwash:	60	13.7	120	27.3	300	68.2	480	109.1	720	163.6	960	218.2	1,200	272.4	1440	327.3
Avg. Backwash Flow:	2	0.5	4	0.9	10	2.3	16	3.6	24	5.5	32	7.3	40	9.1	48	10.9

**Pumps**

Pump Power:	2 Hp (1.5kw)	5 Hp (3.7 kw)	10 Hp (7.5 kw)	15 Hp (11.2 kw)	20 Hp (14.9 kw)	25 Hp (18.6 kw)	30 Hp (22.4 kw)	40 Hp (29.8 kw)
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**PRE- Filtration**

Bag Housing Quantity:	1	1	2	2	3	3	4	4
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**Installation and Utility Requirements**

Backwash/Filtrate/Inlet Flange:	2-inch Flange	3-inch Flange	4-inch Flange	4-inch Flange	6-inch Flange	6-inch Flange	8-inch Flange	8-inch Flange
Power:	5 KVA	5 KVA	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA
Design Voltage:	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz	480VAC/3P/60Hz or 380VAC/3P/50Hz

**Skid**

Height:	85" (220 cm)	85" (220 cm)	85" (220 cm)	85" (220 cm)	85" (220 cm)	85" (220 cm)	85" (220 cm)	85" (215 cm)
Width:	38" (95 cm)	38" (95 cm)	40" (100 cm)	47" (120 cm)	70" (175 cm)	70" (175 cm)	70" (175 cm)	70" (175 cm)
Length:	48" (120 cm)	63" (160 cm)	122" (310 cm)	200" (500 cm)	165" (420 cm)	220" (560 cm)	250" (635 cm)	295" (750 cm)
Shipping Weight Estimate:	500 lbs (227 kg)	550 lbs (250 kg)	2,000 lbs (900 kg)	3,300 lbs (1,500 kg)	4,850 lbs (2,200 kg)	6,200 lbs (2,800 kg)	6,800 lbs (3,000 kg)	7,250 lbs (3,300 kg)
Operating Weight Estimate:	1,200 lbs (545 kg)	1,500 lbs (680 kg)	2,750 lbs (1,250 kg)	4,300 lbs (1,950 kg)	6,350 lbs (2,880 kg)	8,200 lbs (3,720 kg)	9,000 lbs (4,100 kg)	10,250 lbs (4,650 kg)