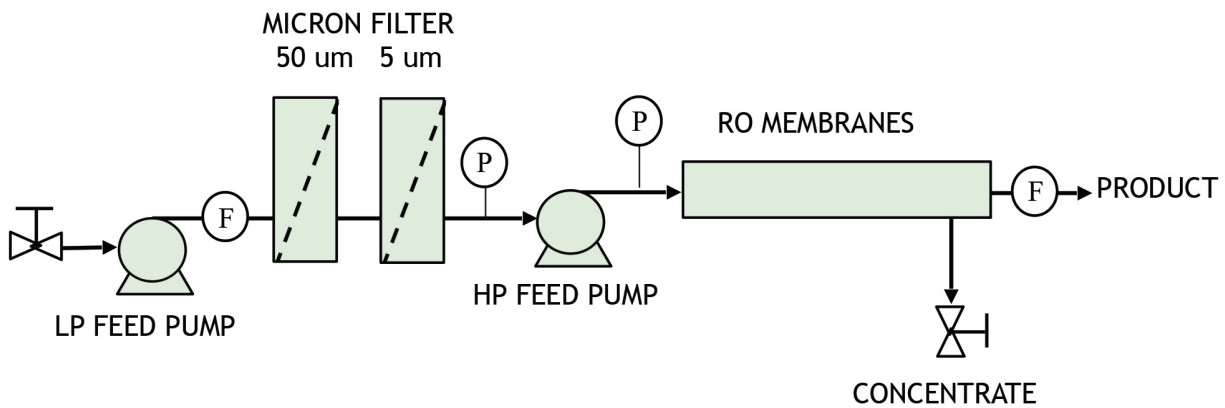




5,000 & 10,000 GPD Seawater Desalination Systems

Suitable for hotels, resorts and industrial customers, these seawater desalination systems operate automatically and include a low pressure feed pump. With a simple hookup to power and piping, the system is ready to go. Treated water is suitable for drinking.



SYSTEM FEATURES

- Space saving design (77" L x 70" H x 34" W)
- Fits through a standard 36" doorway
- Quick setup and easy start/stop
- Safety low pressure and high pressure alarms
- Includes all equipment and instrumentation necessary for normal operation
- Central gauge panel with operating information
- Corrosion resistant materials
- 316 stainless steel hardware and piping
- Micron Filter Housing
- Process and sample valves
- Epoxy coated frame
- Totally enclosed motors
- Unmanned operation
- Efficient high pressure pump
- Low Pressure Feed Pump Included
- Level float switches for customer feed tank control

Specifications

- Standard Electrical Supply 230/460 Three phase power, 60hz (other voltages available)
- Instruments:
 - Feed Flowmeter
 - Product Flowmeter
 - Low Pressure Sensor
 - Membrane Pressure Sensor
- NEMA 4 Control Enclosure
- Seawater Membranes
- Designed and assembled in the USA
- 1 Year Limited Warranty

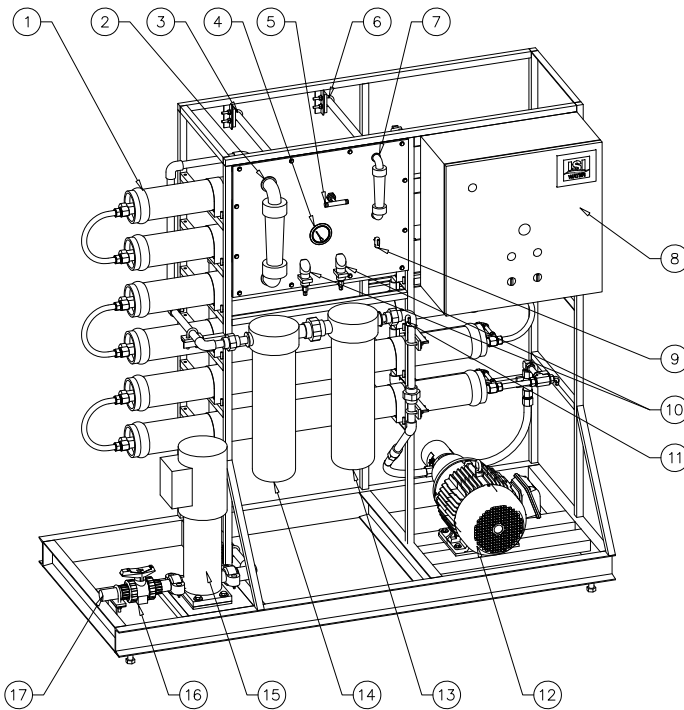
PROCESS PARAMETERS

DESCRIPTION	UNIT	CAPACITY	
Production Rate @ 6Hz	USgpd	5,000	10,000
Production Rate	m3/day	18.9	37.9
Pressure Vessels Unit		6 (4")	12 (4")
Feed Flow	gpm	8.2	16.6
Brine Flow	gpm	4.8	9.7
Product Flow @ 42% Recovery	gpm	3.4	6.9
Feed Pressure at 38k TDS	psi	793	795
Product Quality	TDS	<500	
Skid Outside Dimensions	in.	77" L x 70" H x 34" W	
Skid Dry Weight	lbs	770	930
Power	kW	4.1	8.1
Specific Power	kWh/Kgal	20	

Options

- Multimedia Pre-Filter – recommended when input water quality is poor
- Bag Filter– recommended when input water quality is poor
- Antiscalant Chemical Dosing
- UV and Chlorination of treated product water
- Alternate Belt-driven CAT Piston Pump
- Product Storage Tank
- Feed Water Storage Tank
- Customization
- Spare Parts
- Consumables

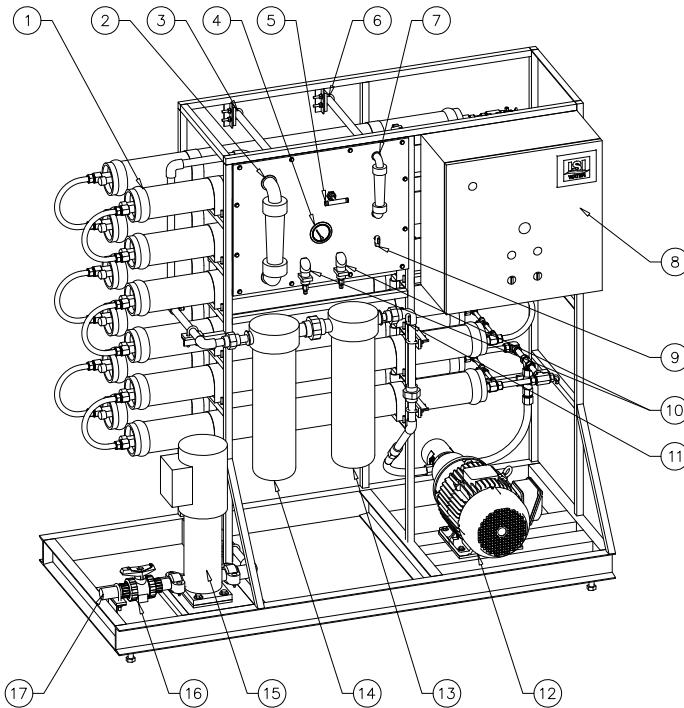
5,000 GPD Seawater Desalination System



TAG DESCRIPTION

- | | |
|----|--|
| 1 | Pressure Vessel |
| 2 | Feed Flow Indicator |
| 3 | Brine Discharge Termination Point |
| 4 | Micron Filter Bank Differential Point |
| 5 | Brine Throttling Valve |
| 6 | Product Discharge Termination Point |
| 7 | Product Flow Indicator |
| 8 | Control and Power Distribution Cabinet |
| 9 | Product Sample Port |
| 10 | Pump Suction and Discharge Pressure Indication |
| 11 | Feed Sample Port |
| 12 | High Pressure Motor and Pump |
| 13 | 5 Micron Filter Pretreatment |
| 14 | 50 Micron Filter Pretreatment |
| 15 | Low Pressure Feed Motor and Pump |
| 16 | Train Isolation Valve |
| 17 | Feed Connection Termination Point |

10,000 GPD Seawater Desalination System



TAG DESCRIPTION

- | | |
|----|--|
| 1 | Pressure Vessel |
| 2 | Feed Flow Indicator |
| 3 | Brine Discharge Termination Point |
| 4 | Micron Filter Bank Differential Point |
| 5 | Brine Throttling Valve |
| 6 | Product Discharge Termination Point |
| 7 | Product Flow Indicator |
| 8 | Control and Power Distribution Cabinet |
| 9 | Product Sample Port |
| 10 | Pump Suction and Discharge Pressure Indication |
| 11 | Feed Sample Port |
| 12 | High Pressure Motor and Pump |
| 13 | 5 Micron Filter Pretreatment |
| 14 | 50 Micron Filter Pretreatment |
| 15 | Low Pressure Feed Motor and Pump |
| 16 | Train Isolation Valve |
| 17 | Feed Connection Termination Point |