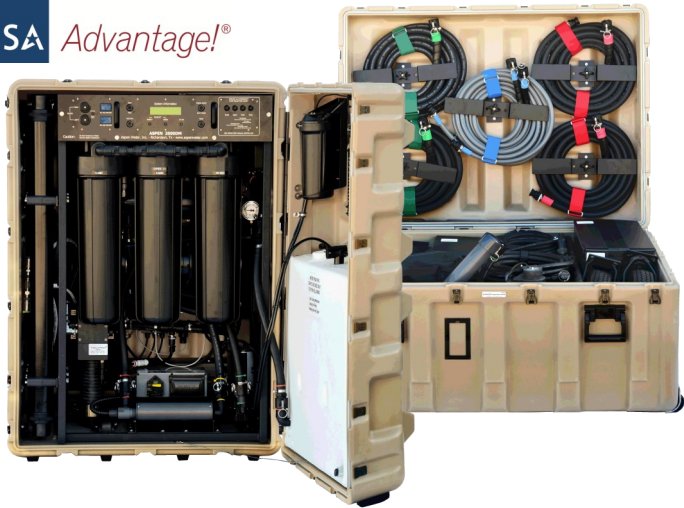


ASPEN 2000DM (ROWPU) DESIGN CRITERIA

NSN 4620-01-587-1905

This Product Available On

GSA Advantage![®]



FEATURES

Quick Setup and Breakdown

Easy to Operate

Low Maintenance

Low Energy Consumption

Compact, Space Saving Design

Automatic Controls with Auto-Flush

Patented Energy Recovery Device

Variable Recovery Rate

High Flow, Low-Energy Membranes

1-Year Limited Warranty

Made in the U.S.A.

SYSTEM SPECIFICATIONS

Gallons Per Day (Fresh/Brackish) *2000+@77°F	
Gallons Per Day (Sea Water)	1500+@77°
Weight (approx.)	420 lbs
Input Voltage: AC	100 to 260, 50/60 Hz
Input Voltage: DC	24-28
Inlet Water Connection	¾" Cam-Lock
Reject Water Connection	¾" Cam-Lock
Outlet Water (½" hose)	¾" Cam-Lock
Dimensions (in.)	48.5 x 36 x 26
Elements (Qty)	3
Element Size (in.)	2.5 x 40 (2540)
Boost Pump	⅓ HP
Feed Pump	½ HP
Injection Pump	¾ HP
Recovery	Up to 39%

SYSTEM OPERATING SPECIFICATIONS

Maximum TDS Feed Water	50,000 ppm
Nominal NaCl % Rejection	99.4%
pH Range	2-11
Maximum Operating Pressure	1,000 psi
Maximum Pressure Differential across pre-filters	25 psi
Pressure Regulation	Automatic
Maximum Boost Pressure	50 psi
Temperature Range	113°F/45°C Max 33°F/5°C Min
Chlorine Tolerance	<0.1 PPM Max
Maximum Feed (GPM)	4.0
Max Power Consumption	1200 Watts
Average Power Consumption	900 Watts

STANDARD FEATURES

- Aspen Electronic Control System with Digital Display, Motor Speed Controllers, Pre-filter Status, and High/Low Voltage Indicator/Alarm, Permeate Flow Sensor, Automatic Salinity Sensor Diversion Valve, Feed Pressure Sensing, Strainer Clog Auto-Shutdown, Automatic Flush Cycle
- Membrane: Three-2.5"x40" TFC sea water reverse osmosis membranes
- Pumps: (1) Self-priming 0-50 psi variable speed boost pump, (2) 150 psi max rotary vane feed pump, (3) 1200 psi triplex injection pump, Pressure intensifier/energy retention device
- Frame: Light weight, corrosion-resistant aluminum
- Pre-Filtration: One sea strainer on inlet float, One 540 micron external case mounted mesh strainer, One 50 micron 4.5"x20" pleated filter, Two parallel 3 micron 4.5"x20" pleated filters. Activated carbon cartridge for chlorine removal.
- High Voltage Electronic Pretreatment
- Post Treatment: One UV sterilizing system, One 10" Carbon Block Activated Carbon Permeate Treatment Device
- Internal Flush Tank holds 15 gallons
- Cases: Military grade roto-molded polyethylene

* Permeate (product water) flow rate is affected by feed water salinity and temperature

ASPEN 2000DM (ROWPU) SUPPORT CASE



Each Aspen 2000DM (ROWPU) Water Purification System comes with a second case that is the same size as the main unit and nests for easy transportation.

The Support Case for the Aspen 2000DM contains parts and supplies necessary to operate the water purification system.

The parts contained in the Support Case are listed below.

ASPEN 2000DM SUPPORT CASE CONTENTS		
Support Case-PN:AWI-1DM-001AC		
Qty	Part Number	Title
1	AWI-SC-1DM-A22	Accessory Kit <i>Contents listed below</i>
1	AWI-FA-1DM-A18	Boost Pump in Box
1	AWI-SC-1DM-A03	Bucket 1 <i>Contents listed below</i>
1	AWI-SC-1DM-A04	Bucket 2 <i>Contents listed on next page</i>
1	AWI-PC-1DM-HM-1	Cable, 24 VDC with NATO Connector
1	AWI-PC-1DM-AC1	Cable, AC Power
2	AWI-FL-1DM-003	Carbon Pre-Filter for Chlorine, Dual Radial Flow
1	AWI-FA-1DM-A22	Mesh Intake Strainer, SS Mesh Assembly
1	AWI-SC-1DM-A10	Float Assembly
1	AWI-SC-1DM-107	Glycerin, 1 Gallon
2	AWI-HO-1DM-A01	Hose, Inlet with Green Band
2	AWI-HO-1DM-A02	Hose, Product, 1/2 with Blue Band
2	AWI-HO-1DM-A03	Hose, Reject with Red Band
4	AWI-SC-1DM-A32	Cleaner, Acidic Membrane Cleaning Powder
4	AWI-SC-1DM-A33	Cleaner, Organic Membrane Cleaning Powder
4	AWI-SC-1DM-A34	Chemical, Membrane, Storage
12	AWI-FL-1DM-006	Pre-Filter, 3 Mic, 20 x 4 Dia
6	AWI-FL-1DM-050	Pre-Filter, 50 Mic, 20" x 4" Dia
1	AWI-SC-1DM-003	Tie-Down, Rubber Strap 24", Bungee Cord
1	AWI-SC-1DM-064	Stir Stick
1	AWI-SC-1DM-A01	Support Case with Hose Brackets
1	AWI-SC-1DM-A21	Tool Kit <i>Contents listed on next page</i>
Accessory Kit-PN:AWI-SC-1DM-A22		
1	AWI-SC-1DM-067	Brush, cleaning
1	AWI-SC-1DM-065	Cup, Measure
1	AWI-SC-1DM-059	Gloves, Package
2	AWI-SC-1DM-061	Goggles, Safety
4	AWI-SC-1DM-060	Mask
1	AWI-SC-1DM-A20	O-Ring/Gasket Set <i>Contents listed on next page</i>
1	AWI-SC-1DM-044	Calibration Solution
1	AWI-SC-1DM-043	Salinity Tester
1	AWI-SC-1DM-031	Utility Bag, 2pc Combo Set

Bucket-1-PN:AWI-SC-1DM-A03		
7	AWI-WF-1DM-013	1/4" tube black
1	AWI-SC-1DM-056	Bucket, 5 Gal/Service Pail
1	AWI-40-P067UV	Bulb, UV
6	AWI-FL-1DM-021	Carbon Block Post Filter
3	AWI-SC-1DM-062	Hose, Spare 3/4"
1	AWI-SC-1DM-069	Lid, 5 gallon Bucket
1	AWI-SC-1DM-055	Oil, Repl, Pump
1	AWI-FA-1DM-046	Sleeve, Quartz
6	AWI-WF-1DM-012	Tubing, 3/8 OD, Black, LDPE
1	AWI-55-EX-017	Sump Wrench, Large
1	AWI-SC-1DM-SSW-1	Sump Wrench, Small
Bucket-2-PN:AWI-SC-1DM-A04		
2	AWI-WBA-PP-01	Adapter, 2" x 3/4"
1	AWI-SC-1DM-A30	Anchor Line, Assembly
1	AWI-SC-1DM-A31	Anchor, with Wire Ties
3	AWI-SC-1DM-068	Bag, Sand
1	AWI-SC-1DM-056	Bucket, 5 Gal
1	AWI-SC-1DM-057	Container, Water, 5 gal, Collapsible
1	AWI-SC-1DM-A08	Inlet Strainer assembly
1	AWI-SC-1DM-A09	Reject Diffuser Assembly
1	AWI-SC-1DM-069	Lid, 5 gallon Bucket
1	AWI-SC-1DM-066	Stake, for Anchor
Tool Kit-PN:AWI-SC-1DM-A21		
1	AWI-SC-1DM-034	Allen Wrench Set
1	AWI-55-FA-204B	Camlock, Male To 3/4 MPT
2	AWI-55-FA-205B	Camlock, Male To 3/4" HB
2	AWI-40-1078B	Cover, Dust Cap, 3/4 Cap with Lanyard
1	AWI-SC-1DM-040	Funnel, Flexible Spout
1	AWI-SC-1DM-A02	Nozzle Cleaning Assembly
1	AWI-SC-1DM-035	Screw Driver Set
1	AWI-SC-1DM-041	Tape, Teflon
1	AWI-SC-1DM-031	Utility Bag, 2pc Combo Set
2	AWI-HW-1DM-064	Worm Clamp, 16 to 27 mm, SS 304
1	AWI-SC-1DM-045	Wrench, 9/16"x5-1/2", Black, Open-End
1	AWI-SC-1DM-033	Wrench, Adjustable 10"
1	AWI-SC-1DM-032	Wrench, Adjustable 8"
1	AWI-SC-1DM-051	Wrench, Strap
O-Ring Kit-PN:AWI-SC-1DM-A20		
1	AWI-40-P033B	Gasket, UV
1	AWI-SC-1DM-039	O-Ring Lubricant (Food Grade)
2	AWI-55-EX-026	O-Ring Double, Media Housing
3	AWI-1DM-FA-351	O-Ring, Membrane end cap product seal
3	AWI-1DM-FA-350	O-Ring, Membrane end cap seal
3	AWI-40-1029	O-Ring, Quartz Sleeve
2	AWI-40-P092	O-Ring, Sump, Black
1	AWI-55-FA-045	O-ring, UV Mount, Square
1	AWI-40-1073	O-Ring, UV Sleeve, Teflon, White
1	AWI-40-1048	Zip Top Bag
Pull Around Attachment-PN:AWI-PA-1DM-A01		
2	AWI-SC-1DM-A38	Caster Assembly, Flat Free Tire
2	AWI-SC-1DM-109	Caster, Swivel with PN 00018 Flat Free Tire
1	AWI-MA-1DM-051	Welded Handle Assembly with Hardware
6	AWI-MA-1DM-048	Button, Large Wheel Plate
2	AWI-MA-1DM-054	Caster Bar, Long Lower
2	AWI-MA-1DM-049.1	Caster Bar, Long Upper
6	AWI-MA-1DM-047	Caster Bracket, Quick Clip Large Wheel
8	AWI-HW-1DM-109	Screw, 10-32 x 3/4, Flat, SS, BO
24	AWI-HW-1DM-073	Screw, 5/16-18 x 1, Socket Head, SS
6	AWI-1DM-HW-001	Spring, 7/8 x .42, SS
24	AWI-HW-1DM-132	Washer, Lock, 5/16 Screw, SS