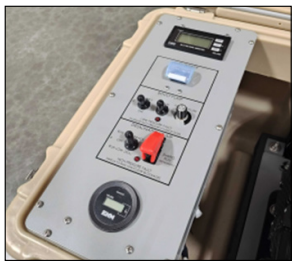
KATADYN®

FACT SHEET

AQUIFER 3000 - PORTABLE DESALINATION SYSTEM



The Aquifer 3000 produces 3,000 gallons of fresh water per day from seawater, brackish, or fresh sources. Compact and rugged, it can be transported and assembled by a two-person team, runs on a 3.5 kW generator, and is built to withstand the most demanding environments—delivering safe, dependable water for military, disaster relief, and humanitarian missions.

PRODUCT SPECS

Part Number: AF-3000-M

Salt Rejection: 99.5%

Technology: High-efficiency energy recovery seawater reverse-osmosis

Production*: 3,000 gal (11,356 L) / day
125 gal (473 L) / hour
*Fixed rate regardless of inlet condition

Feed Water Source: Seawater, Brackish, Fresh

Voltage: 208-240 V AC

Nominal Current: 10 A (208V AC)

Nominal Power: 0.85 kW on low mode,
1.35 kW on high mode

Energy Consumption: 2.85 Wh/L*
*Measured in run high mode with salinity of 32 ppt and temperature 70°F

Temperature Limits: Max 110°F (43°C) | Min 36°F (2°C)

Case Weight: **A:** 175 lbs (79.4 kg) | **B:** 153 lbs (69.4 kg)

Case Dimensions: **A & B:** 18″ x 52″ x 18″ (0.46 m x 1.32 m x 0.47 m)

Testing: **Transit Drop Test:** MIL-STD-810H
EMC Test: EN61326-1 Class A
Safety Test: UL 61010-1 3rd Edition

FEATURES

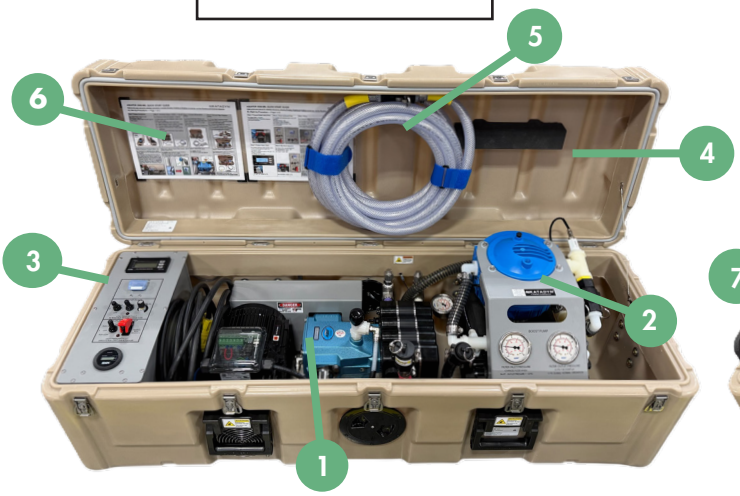
- Reliable performance in all operating conditions with two speed settings:
  - » **High Mode** (3,000 gal/day): Typical run speed for normal inlet conditions (35 ppt salinity, 50 °F water)
  - » **Low Mode** (1,600 gal/day): Suited for solar power applications, fuel conservation, extreme source water conditions, or reduced signature/sound management
- Highly portable: 2-person carry
- Energy efficient: Requires only a small generator (generator not included)
- Rugged construction made for austere operating environments
- Tool-free assembly
- Digital Salinity Monitoring Kit included
- Control box - self-contained
- Self priming assist for up to 10 ft (3 m) source water lift
- Supports up to 500 people (6 gal/person/day)
- Heavy-duty, military-grade, shock and impact-resistant cases
- Built-in recovery system for easy use and long-lasting performance

KATADYN®

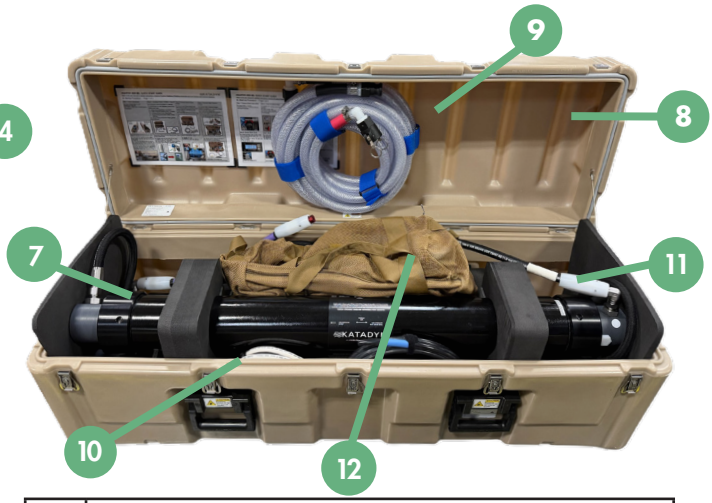
FACT SHEET

AQUIFER 3000 - PORTABLE DESALINATION SYSTEM

Case A



Case B



1	Pump Frame
2	Boost Pump Assembly & 5-Micron Prefilter (inside bowl)
3	Control Box Assembly
4	Mil-Spec Plastic Case
5	Boost Pump Extension
6	Quick Start Guides

7	3 x Membrane Housings
8	Mil-Spec Plastic Case
9	Inlet & Brine Hose
10	Boost Pump Extension Cable
11	High Pressure Quick Connect Hoses
12	Storage Bag: Strainer Assembly and Filter Bowl Wrench

SPARE PARTS AND CONSUMABLES

Part Number	Product
FT-FTC-5BB	5-micron 4″ x 10″ cartridge filter
KIT-CHEM-SC1	Membrane preservative
FT-FTB-6X24	Strainer assembly 100-micron mesh bag
EL-FP-10GPMDP12V	10 GPM double diaphragm pump 12V (Boost Pump)
KIT-SP5C-30R2K5	2,5000 hr SPP5-30 Pearson Pump rebuild kit
KIT-SP5C-30R10K	10,000 hr SPP5-30 Pearson Pump rebuild kit
PP-5-BD-BLT270H	Pully belt (on Pearson Pump)
KIT-MB-4X40SW*	4″ x 40″ membrane kit (1 per kit, 3 in system)
FT-FTC-CCBB	10″ charcoal prefilter
KIT-AF-3K-PBF	AF-3000 tool kit
KIT-CHEM-SC2	Alkaline membrane cleaner
KIT-CHEM-SC3	Acid cleaner

*Due to unique Katadyn design, membrane replacements are not needed as a standard consumable on properly maintained systems

OPTIONAL ACCESSORIES

Part Number	Product
KIT-AF-CWK	Cold weather kit: Movable heating pads - no installation needed

AQUIFER 3000 - PORTABLE DESALINATION SYSTEM

MILITARY GRADE PRODUCTS

Part Number	Product	Product Information	Output
AF-200-EX-FL	Aquifer 200 EXP Flight Ready	Flight ready and enhanced priming capability using submersible pumps. External power required, compatible with optional Solar Power Pack (KIT-AF-FLRPS3P24).	8 gal/h, 30 L/h
AF-360-EX-FL	Aquifer 360 EXP Flight Ready	Flight ready and enhanced priming capability using submersible pumps, with higher output. External power required, compatible with optional Solar Power Pack (KIT-AF-FLRPS3P24).	15 gal/h, 55 L/h
HFD-PS40-LAND	HFD Land Warfare	The HFD is a rugged, portable watermaker that provides purified drinking water from nearly any source with efficient, versatile power options.	1.7 gal/h, 6.3 L/h
KIT-AF-FLRPS3P24	3 Panel Power Supply Case	Power supply case with options for 12/24 V DC, 100-240 V AC 50/60 Hz as well as included Solar Panels. Compatible with AF-200-EX-FL and AF-360-EX-FL.	n/a

Distributed and Serviced by - Southern Seas Marine

Unit 6/58 Waterway Drive
Coomera QLD 4209
TEL: (07) 5502 9666
kenneth@southernseasmarine.com.au
www.southernseasmarine.com.au

Katadyn reserves the right to modify products.