

HOW IT WORKS

PORTAGE/DS offers unparalleled flexibility through its modular two-box design, allowing operators to optimize water production based on input source.

ADVANCED FILTRATION

Our ultrafiltration membranes feature 0.01-micron pores removing pathogens from freshwater sources – while protecting and extending the life of downstream RO membranes.

FLEXIBLE CONFIGURATION

Choose between UF+RO or UF only for sea or freshwater input to maximize product water output and filtering only to the level that you need.

ENERGY EFFICIENT

Designed to operate with minimal power to produce the optimal product water.

RAPID DEPLOYMENT

Guided instructions for simple startup and operation with smart controls to manage efficient and safe use in any conditions.



www.purafy.com

WATER

WHAT SETS PORTAGE/DS APART?

21,800
(L/d) Fresh

Flexible Configuration

Freshwater source:
Box 1 alone delivers over 21,800 L/day of pathogen-free water using ultrafiltration technology.

2,700
(L/d) Sea

Seawater source (35k ppm):
Box 1 + 2 produce 2,700 L/day of fully desalinated water.

9

(min) Setup Time

Easy to Operate

9 Minute Drop to Drink: Guided instructions on easy-to-follow user display with colour-coded hose connections and valves.

Cost-Effective

Total cost of \$0.002/L over 10- year useful life.

0.002
(\$/L) Total Cost

The self-cleaning membranes protect sensitive RO components, extending system life and reducing the cost of maintenance.

TECHNICAL SPECIFICATIONS

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Specification	Box #1	Box #2
Flow Rate Capacity	21,800 L/day (freshwater)	2,700 L/day (35k ppm seawater)
Dimensions	85.6 x 72.5 x 41.6 cm	85.6 x 72.5 x 41.6 cm
Weight	70 kg	50 kg
Power /2	225 W	500 W
Energy Efficiency	4,000 L/kWh	225 L/kWh
Filtration Elements	Pre-filter, Ultrafilter (0.01 micron)	SW2521 Reverse Osmosis Membranes

1/ Preliminary specifications at 21 degrees Celsius.

2/ The system operates on 90V-260V AC and 24V DC.



LIFE

PUR



CLEAN
TECHNOLOGIES

FY



PORTAGE / DS

Portable Water Purification System

PORTAGE/DS is a powerful, compact drinking water purification system that utilizes graphene-enhanced Advanced Ultrafiltration membranes paired with industrial Reverse Osmosis technology to produce clean drinking water from various sources including groundwater, seawater, and brackish water.