

Brackwasser



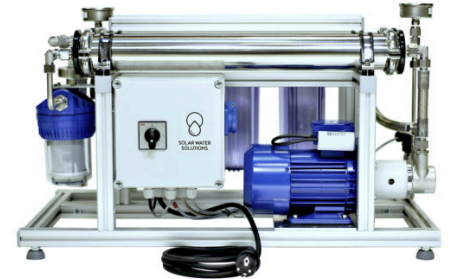
BRACKISH WATER RO UNITS

Our Brackish Water product line can turn any lake, river or contaminated borehole into a source of clean drinking water.

The units save borehole water with a unique ANVS® recycling system that can have a recovery rate of 85%.

Energy consumption is only 0,6 kWh/m³ in hybrid use.

SolarRO 500 BW



Clean water output	21 m ³ /h
Clean water quality*	TDS < 90 mg/L
Raw water feed	36,2 m ³ /h
Recovery rate	58 %
Brine output	15,2 m ³ /h
Brine quality	TDS 4940 mg/L
Specific energy***	0,6 kWh/m ³
High pressure pump**	Multi-stage centrifugal pump AISI 316L, Calpeda or equivalent
HHP motor	15 kW
Raw water booster pump**	7,5 kW
Pressure vessels	6 x 80120, Composite
Membranes	18 x 8040 BW30HRLE
Pre-filtration	BB-30", 100, 25, 3 micron
Solar inverter	Vacon 100-X, Danfoss
Recommended Solar PV power***	24 kWp

Key features

- Patented ANVS® balances RO pressure in all environment
- Automatic start, stop and control
- CE certification
- Can operate continuously the whole day – Easy switch to grid / generator for non-solar hours

Standard equipment

- 20ft container
- Aluminium skid mounted
- Integrated CIP (clean in place) system
- Dry-run, over-pressure protection
- Product water quality indicator (TDS)

Optional equipment

- DrivePro® Remote Monitoring
- Multi-Media Filtration • 20ft container
- Antiscalant dosing
- Specific substance removal filtration
- Post-mineralization
- UV-disinfection

* Test conditions: Raw water TDS 2000 mg/l, pH 6.9, T 25°C, system pressure 10 bar

**Pump type and filtration characteristics subject to change depending on site-specific*

**Raw water booster pump not included

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