





TWU 010

TRUNZ WATER UNIT 010

The Trunz water desalination unit TWU 010 is complete and ready to deploy. It provides approx. 70 l of potable water per hour from any brackish or seawater source. Powered by solar energy it can run without ongoing fuel and fuel transport costs. The system is complete with feed pump, automatic back flushing filtration system, batteries, solar panels and controls. An efficient Reverse Osmosis system removes dissolved solids (salt, inorganic contamination etc.) as well as viruses and bacteria without requiring toxic chemical treatment. The Trunz solar desalination unit is ideal for decentralised water purification in remote communities, clinics, islands, resort application etc. The system is very compact, easy to install and to maintain.



-  possibility to run with photovoltaic system
-  up to 1,500 litres per day
-  ideal for decentralised water desalination
-  exceptionally energy efficient

Dimensions	L x W x H	600 x 400 x 1800 mm
Weight	net	160 kg
Filtration Technology		Reverse Osmosis (RO)
Raw Water Source		borehole / municipal water
Contamination		low turbidity < 1 NTU, organic and inorganic contamination, salinity up to TDS 40'000 mg/l
Quality of produced water		potable water
Application / Installation		local / permanent installation
Capacity		max. 70 l/h
Prefilter with back flushing system	2 pc.	1x 50 micron, 1x 5 micron
Membranes	1 pc.	Reverse Osmosis
Activated carbon filter	1 pc.	20 micron
Power supply		power connection or solar
Power consumption unit		150 W
Power consumption Total	incl. borehole pump	400 W
VRLA-Batteries		-
Power connection		230 VAC 50 Hz, 10 Amp. 110 VAC 60 Hz, 10 Amp.
Controls		-
Feed pump	1 pc.	max. 800 l/h
Feed pump pressure		9 bar
Tube package		20 meter
min./max. water temperature		0/45° C
min./max. air temperature		0/50° C
Optional features		Pressure pump, 230 VAC Solar Power Center Submersible pump, 24 VDC Sandfilter Disinfection Monitoring
Certificates		FDA - 21 OFR 177.2550 ISO 9001:2008