

# TSC / TBC / TWC

## TRUNZ SEAWATER / BRACKISH / V

The Trunz Container Units TSC / TBC / TWC are complete a ready to deploy. It provides approx. 1,600 l (422 gallons), resp. 5,000 l (1,321 gallons) of potable water per hour from any salt / brackish or fresh water source. The system is complete with feed pump, automatic back flushing filtration and controls. Reverse Osmosis systems or Ultrafiltration membranes remove dissolved solids (salt, anorganic contamination etc.) as well as virus and bacteria without requiring toxic chemical treatment.



	SALT WATER (TSC)	BRACKISH WATER (TBC)	FRESH WATER (TWC)
Dimensions (L x W x H)	2300 x 2300 x 2200 mm	2300 x 2300 x 2200 mm	2300 x 2300 x 2200 mm
Weight	2500 kg (5511 lbs)	2500 kg (5511 lbs)	2500 kg (5511 lbs)
Filtration Technology	Reverse Osmosis (RO)	Reverse Osmosis (RO)	Ultrafiltration (UF)
Raw Water Source	seawater	well, lake, river, borehole	well, lake, river, borehole
Contamination	organic and inorganic contamination, salinity up to TDS 40'000 mg/l	organic and inorganic contamination, salinity up to TDS 18'000 mg/l	organic contamination
Quality of produced water	potable water	potable water	potable water
Application / Installation	mobile or local installation	mobile or local installation	mobile or local installation
Capacity	max. 1600 l/h (422 gallons/h)	max. 1600 l/h (422 gallons/h)	max. 5000 l/h (1'321 gallons/h)
Prefilter with automatic back flushing system	2x 100 micron, 4x 50 micron, 4x 5 micron	2x 100 micron, 4x 50 micron, 4x 5 micron	4x 100 micron
Activated carbon filter, 20 micron	1 pc.	1 pc.	2 pc.
Energy supply / solar capacity	customized	customized	customized
Power consumption unit	3.2 kW	1.5 kW	0.2 kW
Power consumption incl. borehole pump	4 kW	2.2 kW	1.5 kW
VRLA-Batteries	24x 12V - 180 AH/Battery	24x 12V - 180 AH/Battery	24x 12V - 180 AH/Battery
Power connection	Solar, 48 VDC	Solar, 48 VDC	Solar, 48 VDC
Controls	digital	digital	digital
Feed pump, 2 pc. (each)	1 x 7500 l/h (1981 gallons/h)	1 x 4000 l/h (1056 gallons/h)	2 x 3000 l/h (793 gallons/h)
Feed pump pressure	6 bar	6 bar	6 bar
Tube package	20 meter	20 meter	20 meter
min./max. water temperature	0/45° C	0/45° C	0/45° C
min./max. air temperature	-10/60° C (with AC)	-10/60° C (with AC)	-10/60° C (with AC)
Optional features	48 VDC Air Conditioning Monitoring Disinfection Inverter 48 VDC/230 VAC Battery charger 230 VAC/110 VAC Wind generator Sandfilter	48 VDC Air Conditioning Monitoring Disinfection Inverter 48 VDC/230 VAC Battery charger 230 VAC/110 VAC Wind generator Sandfilter	48 VDC Air Conditioning Monitoring Disinfection Inverter 48 VDC/230 VAC Battery charger 230 VAC/110 VAC Wind generator Sandfilter
Certificates	FDA - 21 OFR 177.2550 ISO 9001:2008	FDA - 21 OFR 177.2550 ISO 9001:2008	NSF/ANSI 61 KTW TÜV - EN ISO 9001:2008