

# Trunz Water Systems



swiss made

by

[www.trunz.ch](http://www.trunz.ch)

# PRODUCTS

TWU 001  
TRUNZ Water Unit



TWS 100  
TRUNZ Water System



TSS 100  
TRUNZ Seawater System



TWB 001  
TRUNZ Water Box



TSB 001  
TRUNZ Seawater Box



## TWU 001

### Trunz Water Unit 001

The Trunz Water purifier TWU 001 should be installed in the entry point of natural water in the building. The system will filter and purify 25.000 litres a day. (6500 Gallons) Trunzs' proprietary automatically back washing filtration system minimizes system maintenance.

An ultra filtration membrane removes all virus and bacteria without requiring toxic chemical treatment. This process retains the natural minerals in the source water.

The Trunz Water Unit guarantees the finest potable water and is ideal for plants, clinics, hospitals, apartment buildings etc.

The system is very compact, easy to install and to operate.



Metal Cabinet	L x W x H	500 x 400 x 1800 mm
powder coated		
Weight	net	160 kg
Circuit Points	E = 3/4 "	A = 3/4 "
Prefilter with Motor	1 pc.	25 Micron
Ultrafiltration	1 pc.	max 1000 l/h
Membranfilter, self-cleaning		
Activated Carbon Filter 20 Micron	1 pc.	max. 1200 l/h
Flow Rate	25 m <sup>3</sup> /3 day	
Water Quality	99,99 % free of Virus, Cysts and Bacterium	
Energy consumption	10 W	

# TWS 100

## Trunz Water System 100

The Trunz solar water treatment system 100 is complete and ready to deploy. It provides approximately 15.000 l (4000 Gallons) of clean potable water per day from any non saline source water.

Powered by solar or/and wind energy it can run 24 hours a day, without ongoing fuel and fuel transport costs.

The system produces extra energy for running different electric installations.

It is complete with borehole type delivery pump, Trunzs' exclusive automatic back flushing filtration, batteries, solar panels, windturbine and controls. An ultra filtration membrane removes all virus and bacteria without requiring toxic chemical treatment.

The Trunz Solar Water Unit is ideal for disaster relief, village level water purification and in multiples even small resort applications.

The system is very compact, easy to install and to operate.



External Dimensions	L x W x H	1700 x 1500 x 1500 mm
Weight	net	910 kg
Construction	aluminium anodised and stainless steel	
Solar Panels	3 pc.	max. 720 Wp
Feed Pump	1 pc.	max. 1000 l/h
Tube Packet	20 m	
Prefilter with Motor	1 pc.	100 Micron
Prefilter with Motor	2 pc.	25 Micron
Membranfilter Ultrafiltration	1 pc.	max 800 l/h
Activated Carbon Filter	1 pc.	20 Micron
Gel batteries - maintenance-free	2 pc.	12 V - 200 AH/Battery
Windturbine	1 pc.	max. 1000 Wp
Energy consumption		350 W

## TSS 100

### Trunz Seawater System 100

The Trunz solar water desalination system 100 is complete and ready to deploy. It provides approximately 3.500 l (1000 Gallons) of clean potable water per day from a brackish or seawater source.

Powered by solar and wind energy it can run 24 hours a day without ongoing fuel and fuel transport costs. The system is complete with borehole type delivery pump, Trunz's exclusive automatic back flushing filtration

system, batteries, solar panels, windturbine and controls. An efficient desalination system removes salts, virus, bacteria without requiring toxic chemical treatment.

The Trunz Solar Water Unit is ideal for disaster relief, village level water purification-desalination and in multiples even small resort applications.

The system is very compact, easy to install and to operate.



External Dimensions	L x W x H	1700 x 1500 x 1500 mm
Weight	net	1400 kg
Construction	aluminium anodised and stainless steel	
Solar Panels	6 pc.	max. 1240 Wp
Feed Pump	1 pc.	max. 1000 l/h
Tube Packet		20m
Prefilter with Motor	1 pc.	100 Micron
Prefilter with Motor	2 pc.	25 Micron
Desalination Unit Spectra	1 pc.	min 220 l/h
Activated Carbon Filter	1 pc.	20 Micron
Gel batteries - maintenance-free	4 pc.	12 V - 200 AH/Battery
Windturbine	1 pc.	max. 1000 Wp
Energy consumption		900 W

## TWB 001

### Trunz Water Box 001

The Trunz water treatment box 001 is complete and ready to deploy. It provides approximately 20.000 l (5000 Gallons) of clean potable water per day from any non saline source water.

The system is complete with borehole type delivery pump, Trunzs' exclusive automatic back flushing filtration and controls. An ultra filtration membrane removes all virus and bacteria without requiring toxic chemical

treatment. This process retains the natural minerals in the source water.

With the help of an external generator the system can be alternatively operated with 220 V / 110 V or 24 V.

The Trunz Water Box is ideal for camps, village level water purification, plantations, clinics and in multiples even small resort applications.

The system is very compact, easy to install and to operate.



External Dimensions	L x W x H	1600 x 500 x 1150 mm
Weight	net	250 kg
Construction	aluminium anodised and stainless steel	
Feed Pump	1 pc.	max. 1000 l/h
Tube Packet		20m
Prefilter with Motor	1 pc.	100 Micron
Prefilter with Motor	2 pc.	25 Micron
Ultrafiltration with Membranfilter	1 pc.	max. 800 l/h
Activated Carbon Filter	1 pc.	20 Micron
Main Connection	220 V AC 50 Hz	10 Amp.
Main Connection	110 V AC 60 Hz	16 Amp.
Energy consumption		350 W

## TSB 001

### Trunz Seawater Box 001

The Trunz water desalination box TSB 001 is complete and ready to deploy. It provides approximately 3.800 l (1000 Gallons) of clean potable water per day from a brackish or seawater source.

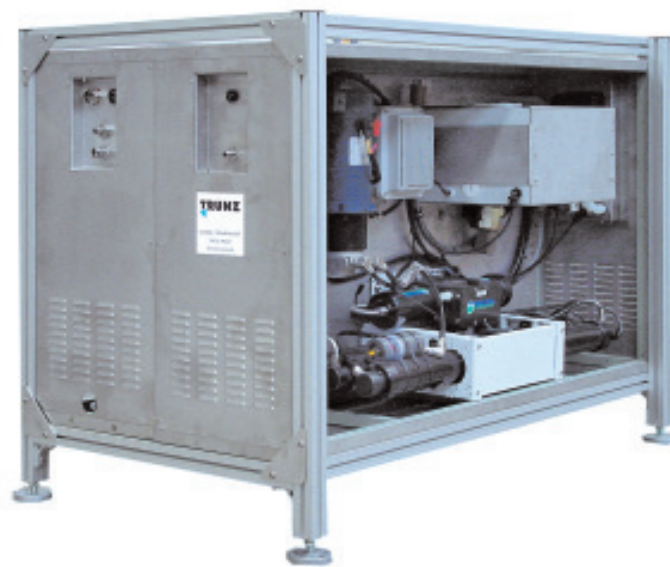
The system is complete with borehole type delivery pump, Trunzs' exclusive automatic back flushing filtration system and controls.

An efficient desalination system removes salts, virus,

bacteria without requiring toxic chemical treatment. With the help of an external generator the system can be alternatively operated with 220 V / 110 V / or 24 V.

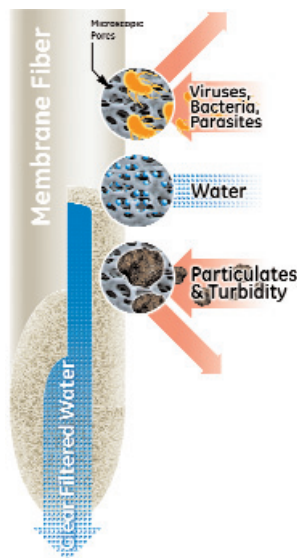
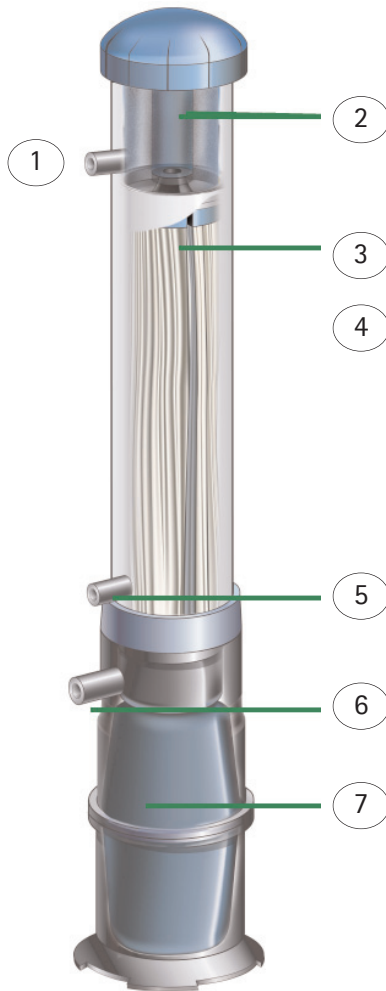
The Trunz Seawater Box is ideal for camps, village level water purification-desalination and in multiples even small resort applications.

The system is very compact, easy to install and to operate.



External Dimensions	L x W x H	1600 x 900 x 1150 mm
Weight	net	450 kg
Construction	aluminium anodised and stainless steel	
Feed Pump	1 pc.	max. 1000 l/h
Tube Packet		20m
Prefilter with Motor	1 pc.	100 Micron
Prefilter with Motor	2 pc.	25 Micron
Desalination Unit Spectra	1 pc.	min 220 l/h
Activated Carbon Filter	1 pc.	20 Micron
Main Connection	220 V AC 50 Hz	16 Amp.
Main Connection	110 V AC 60 Hz	25 Amp.
Energy consumption		900 W

# Membranfilter Trunz Water System



- 1 Inlet**  
Ultrafiltration membrane technology filters municipal, well, cistern, lake and river water. It is easy to install where the water supply enters the house, generally near a water heater, in new or existing homes.
- 2 Pre-filter**  
An optional Activated Carbon Pre-filter improves taste of water and minimizes unwanted odours.
- 3 ULTRA-Filter Membrane**  
Ultrafiltration membranes are an effective block against undesirable particles, bacteria, viruses and cysts to provide purified water. The water is filtered with 0.02 micron.
- 4 Continuous Supply**  
The Homespring™ Central Water Purifier system uses normal water pressure to provide a continuous supply of crystal clear filtered water. If the power fails the Homespring™ Central Water Purifier system continues filtering.
- 5 Drain**  
The Homespring™ Central Water Purifier effectively flushes all rejected impurities down the drain during the automatic cleaning cycle.
- 6 Outlet**  
Filtered water (12'000 - 20'000 each day) on demand flows from the Central Water Purifier to the TRUNZ-Water System-Units.
- 7 Automatic Cleaning Cycle**  
The Homespring™ Central Water Purifier is engineered to automatically flush itself clean at a very efficient rate. It automatically flushes impurities down the drain during your preselected time each day.



# SOLUTION FOR PLANTS

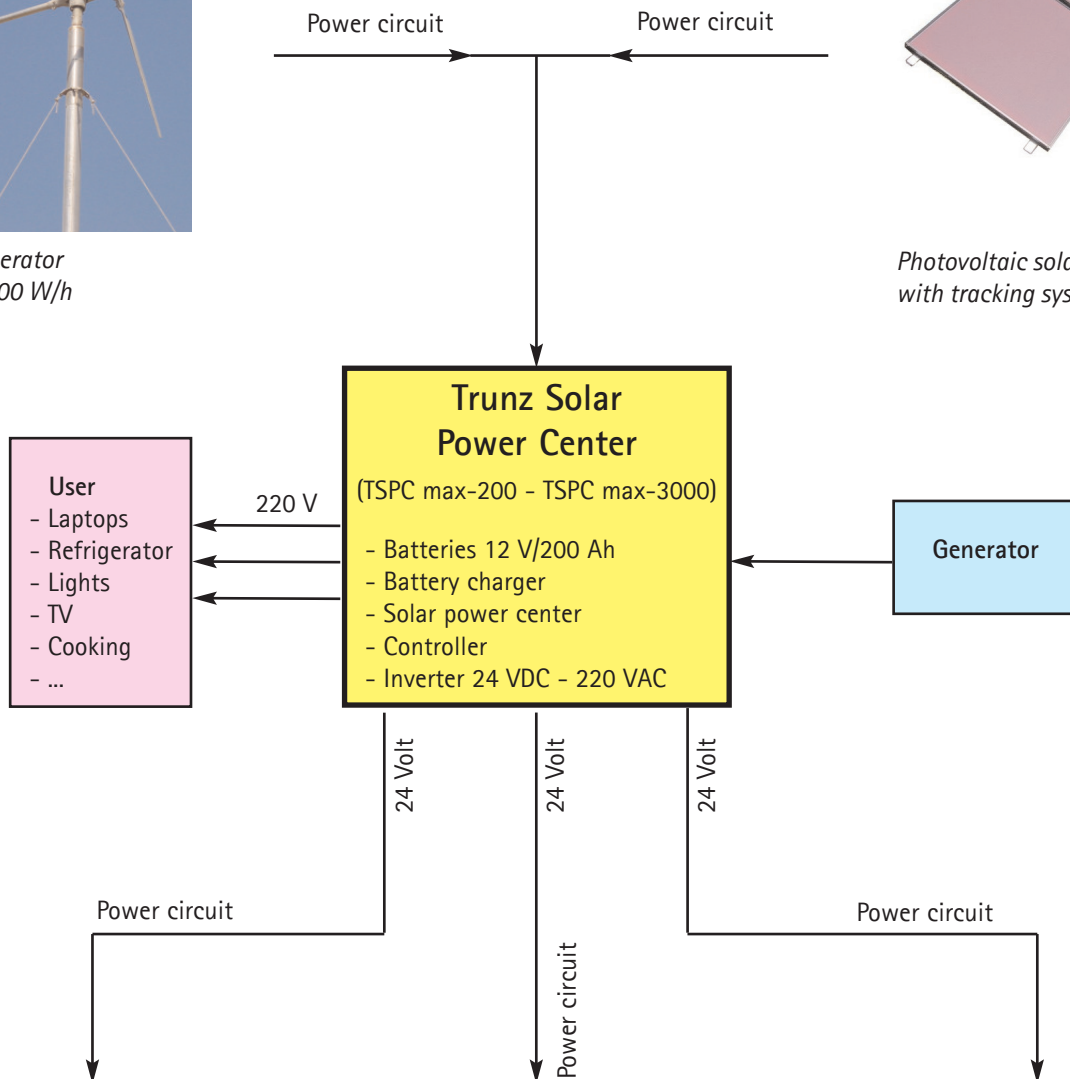
powered by renewable energy



Windgenerator  
Max. 1'000 W/h



Photovoltaic solar power plant  
with tracking system



TWB 001  
max. 20'000 l  
clean drinking water per day



TWB 001  
max. 20'000 l  
clean drinking water per day



TSB 001  
max. 7'000 l  
clean drinking water per day



**TRUNZ WATER SYSTEMS are manufactured and produced in Switzerland by Trunz Fahrzeugtechnik AG**

Trunz Group was originally founded in 1972 and today operates out of three different locations all based in Switzerland supplying to the machine, car and construction industries alike. With production floors totalling 18'000 m<sup>2</sup> Trunz group has modern, high-tech factories with robotic systems and fully automatic laser cutting equipment at their disposal. Notable clients are Daimler-Chrysler, MAN, Liebherr Group, Unique Airport Zurich to name but a few.

This group venture which is ISO certified (ISO 9001 / TS16949:2002, ISO 9001:2000, EN 729-2:1994 and DIN 6700-2) is destined through tis highly professional competence and productive efficiency to manufacture and develop the TRUNZ WATER SYSTEMS even further.



**Trunz Water Systems AG**  
**Technology Center**  
Ahornstrasse 1, CH-9323 Steinach  
Phone +41(0) 71 447 85 45  
Fax +41(0) 71 447 85 46  
[www.trunzwatersystems.com](http://www.trunzwatersystems.com)  
[water@trunz.ch](mailto:water@trunz.ch)