

Desalination Brackish

TBB 002

The TBB 002 desalination system is a mobile, compact and low energy consuming appliance. It can produce approximately up to 800 liter per hour of drinking water from any brackish water sources up to a TDS of around 10,000 mg/l.

The core part of the system is a reverse osmosis system with unparalleled efficiency. Despite the high technical requirements on the appliance, the system is simple to operate and is impressive in its ease of use.

The system is very quick to construct, consists of various modular building blocks and is, among other uses, completely suitable for use in third-world countries or during natural catastrophes.

However, even small hotels on the sea, or drinking water production from any brackish water sources are among the typical areas for its application.



Raw water source

Size of removed particles

Quality of produced water

Application / Installation

Capacity

Pre filter with back flush system

Membranes

Activated carbon filter

Energy supply

Energy consumption unit

Energy consumption (incl. borehole pump)

External dimensions

Weight

Appliance design:

Intake pump

Tube packet

net

anodized aluminum and chrome steel

1 piece

Well, river, lake, borehole, saline,
anorganic contamination up to TDS
10,000 mg/l

demineralisation

demineralised

local installation

270 – 800 l/h

1 x 100 micron, 2 x 25 micron, 1 x 5
micron (filter cartridge)

2 x Brackish RO

20 micron

power connection or PV

700 W

950 W

1600 x 900 x 1150 mm

380 kg

max. 1000 l/h / 6 bar pressure

20m

