

OVERVIEW - UNITS FOR BRACKISH WATER

	TBS 300	TBB 003	TBC
Dimensions (L x W x H)	1770 x 1560 x 1510 mm	1600 x 1000 x 1150 mm	2300 x 2300 x 2200 mm
Weight (net)	1200 kg	641 kg	2500 kg
Filtration Technology	Reverse Osmosis (RO)	Reverse Osmosis (RO)	Reverse Osmosis (RO)
Raw Water Source	well, river, lake, borehole	well, river, lake, borehole	well, river, lake
Contamination	organic and inorganic contamination salinity up to TDS 18'000 mg/l	organic and inorganic contamination salinity up to TDS 18'000 mg/l	organic and inorganic contamination salinity up to TDS 18'000 mg/l
Quality of produced water	potable water	potable water	potable water
Application / Installation	mobile (trailer available)	local / permanent installation	mobile or permanent installation
Capacity	max. 650 l/h	max. 650 l/h	max. 1600 l/h
Prefilter with back flushing system	1x 100 micron, 2x 50 micron, 1x 5 micron	1x 100 micron, 2x 50 micron, 1x 5 micron	2x 100 micron, 4x 50 micron, 4x 5 micron
Membranes	4x Brackish Reverse Osmosis	4x Brackish Reverse Osmosis	4x Brackish Reverse Osmosis
Activated carbon filter	1x 20 micron	1x 20 micron	1x 20 micron
Power supply	solar panels, 1240 Wp	power connection or solar	solar panels, 3360 Wp
Power consumption unit	650 W	650 W	1.5 kW
Power consumption Total	900 W	900 W	2.2 kW
VRLA-Batteries	4x 12V - 180 Ah/Battery	-	24x 12V - 180 Ah/Battery
Power connection	Solar, 24 VDC	Solar, 24 VDC	Solar, 48 VDC
Controls	digital	digital	digital
Feed pump	1x max. 1500 l/h	1x max. 1500 l/h	1x 4000 l/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	0/50° C	0/50° C	-10/60° C (with AC)
Optional features	Inverter 24 VDC / 230 VAC Battery charger 230 VAC / 110 VAC Wind generator, 1 kW Sandfilter Monitoring Disinfection	Solar Power Center Sandfilter Monitoring Disinfection	48 VDC Air Conditioning Sandfilter Wind generator Monitoring Disinfection Inverter 48 VDC / 230 VAC Battery charger 230 VAC / 110 VAC

Reverse Osmosis Certificates

FDA - 21 CFR 177.2550, ISO 9001:2008



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