

# OVERVIEW - UNITS FOR SEAWATER

	TSS 300	TSB 003	TWU 010	TSC
Dimensions (L x W x H)	1770 x 1560 x 1510 mm	1600 x 1000 x 1150 mm	600 x 400 x 1800 mm	2300 x 2300 x 2200 mm
Weight (net)	1200 kg	534 kg	160 kg	2500 kg
Filtration Technology	Reverse Osmosis (RO)	Reverse Osmosis (RO)	Reverse Osmosis (RO)	Reverse Osmosis (RO)
Raw Water Source	seawater	seawater	borehole / municipal water	seawater
Contamination	organic and inorganic contamination salinity up to TDS 40'000 mg/l	organic and inorganic contamination salinity up to TDS 40'000 mg/l	low turbidity < 1 NTU, organic and inorganic contamination salinity up to TDS 40'000 mg/l	organic and inorganic contamination salinity up to TDS 40'000 mg/l
Quality of produced water	potable water	potable water	potable water	potable water
Application / Installation	mobile (trailer available)	local / permanent installation	local / permanent installation	mobile or permanent installation
Capacity	max. 250 l/h	max. 250 l/h	max. 70 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	1x 50 micron, 1x 5 micron	2x 100 micron, 4x 50 micron, 4x 5 micron
Membranes	2x Reverse Osmosis (seawater)	2x Reverse Osmosis (seawater)	1x Reverse Osmosis	4x Reverse Osmosis (seawater)
Activated carbon filter	1x 20 micron	1x 20 micron	1x 20 micron	1x 20 micron
Power supply	solar panels, max. 1240 Wp	power connection or solar	power connection or solar	solar panels, max. 3360 Wp
Power consumption unit	650 W	650 W	150 W	3.2 kW
Power consumption Total	900 W	900 W	400 W	4 kW
VRLA-Batteries	4x 12V - 180 Ah/Battery	-	-	24x 12V - 180 Ah/Battery
Power connection	Solar, 24 VDC	Solar, 24 VDC	230 VAC 50 Hz, 10 Amp.	Solar, 48 VDC
Controls	digital	digital	-	digital
Feed pump	1x max. 1000 l/h	1x max. 1000 l/h	1x max. 800 l/h	1x 7500 l/h
Feed pump pressure	6 bar	6 bar	9 bar	6 bar
Tube package	20 meter	20 meter	20 meter	20 meter
min./max. water temperature	0/45° C	0/45° C	0/45° C	0/45° C
min./max. air temperature	0/50° C	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	Pressure pump, 230 VAC Solar Power Center Submersible pump, 24 VDC Sandfilter Monitoring Disinfection	48 VDC Air Conditioning Sandfilter Wind generator Monitoring Disinfection Inverter 48 VDC / 230 VAC Battery charger 230 VAC / 110 VAC



TSS 300



TSB 003



TWU 010



TSC

Reverse Osmosis Certificates      FDA - 21 CFR 177.2550, ISO 9001:2008