

## COMBI TRAILER

Model: COMBIXBWSW7002EU



### FEED WATER

The system is fed with sea water (salinity of 35,000 TDS).

Specific sea water reverse osmosis system membranes are able to filter all bacteria and to remove about 99,75% of salinity.

### ADDUCTION PUMP

Submersible, independent adduction pump, to be connected to the inlet by a flexible pipe. The pump is totally stainless steel AISI 904 duplex and has a water level gauge which stops the functioning in case of lack of water.

380 V feed.

### PRETREATMENT

The COMBI TRAILER is equipped with a TRIPLE FILTRATION SYSTEM, and every stage is dimensioned for a flow rate double that required for actual functioning. Thus guaranteeing a long smooth working life. The process is structured as follows:

PRE-FILTRATION  
SAND FILTRATION  
CARTRIDGE FILTRATION

### PRESSURE PUMP

The plant is supplied with n.2 three-piston-pumps with stainless steel body and impellers and a 4 kW to 380 V, 50 Hz engine.

### MEMBRANES

Sea water membranes, 8"x40" "low energy" type, with a low obstruction surface.

### VESSELS

Made of fibreglass, using the "filament winding" technique, specific for sea water applications and approved by F&DA, these vessels have a high mechanical resistance and a working pressure of maximum 80 bar (notice that units work with a 50 bar pressure).

### MATERIALS

All the equipment is made of sea water corrosion resistant materials.

### INSTRUMENTATION

We consider ease of use to be very important when designing systems – we intentionally use instruments that, in the event of accidents or breakages, can be easily found even in non industrial areas.

### POWER GENERATOR

Generator with diesel motor.

### ELECTRICAL CONTROL PANEL

Electromechanical automation of controls

### CHEMICAL CLEANING

The chemical cleaning during brief non working periods (max 7 days) is automatic, while for long periods it is manual.



### SPARE PARTS AND CONSUMABLES

According to specific requirements, the units have extra quantities of consumable products for periods of 1, 2 or 3 years.

### RUN-TESTS

Granted that a COMBI TRAILER is available and not being used for emergency intervention, we can organize run tests for:

- Working capacity demonstrations
- Training courses for local technical staff supported by audiovisual material and operating manuals in Italian and English (other languages optional).

### Technical Specifications

Sea water capacity	From 2 mc/h to 5.0 mc/h MAX
Drinking water flow rate	From 0.5 mc/h to 2 mc/h MAX
Drinking water production	From 17 to 40 mc/day
Ambient working temperature	From +5 to +50 °C
Raw water temperature	From +5 to +25 °C
Generator yeild	10 Kw – 380 V 50 Hz
Plant required power	9 Kw – 380 V 50 Hz
Available power	1 Kw – 220 V 50 Hz
Generator	Diesel
Overall size	Base 1140 x 2850 mm, height 1400 mm
Total weight	1080 kg (generator included)

### Spare Parts Kit

Filter cartridges	6 set / year recommended
Stainless steel fittings	On request
Stock of instrumental components	Stainless steel manometer Manostat Water metre Water level gauges
Annual chemical cleaning/maintenance products	1 year's supply recommended
Cleaning products and consumables	1 year / 2 year / 3 year
Operation manual	Italian / English

### Optionals

Chemical pre-treatment products	OPTIONAL
Remineralisation process	OPTIONAL
Rubber ring float for submersible pump	OPTIONAL
Solid chlorine batcher	OPTIONAL
Run test	OPTIONAL
Audio-visual support	OPTIONAL
Personal training in destination country	OPTIONAL
Personal training in our factory	OPTIONAL
Operation manual in language(s) other than Italian & English	OPTIONAL
Trailer	OPTIONAL