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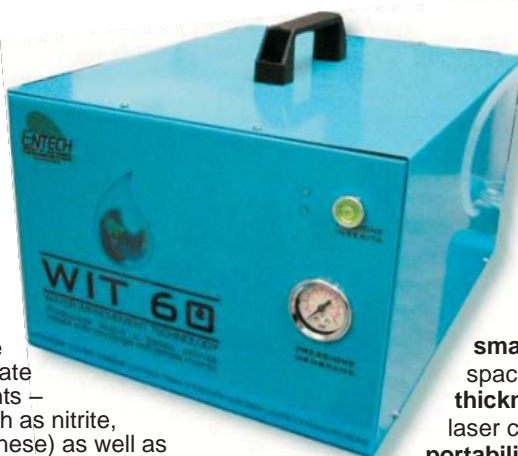www.entechsrl.it

WIT 60-120

mod. A10.010

REVERSE OSMOSIS STANDARD SYSTEMS

The reverse osmosis systems series WIT have been designed for the production of low-salinity water for light industrial appliances, for example, production of low-salinity water for small boilers, washing tanks filling, machine tools tanks, galvanic bathes, testing, electric accumulators.

The operation is based on the principle of **reverse osmosis** which allows, through the use of one or more semi-permeable membranes, to separate in the water impurities and contaminants – made up of dissolved substances (such as nitrite, chloride, calcium, magnesium, manganese) as well as viruses and bacteria – using the pressure of the internal pump. The result is 99% demineralised water compared to the one which supplies the system.

The operation of the system is automatically controlled by the opening and closing of a valve connected to reverse osmosis

water production line (standard) or by a remote contact as, for example, a state level (option).

The maximum range which can be obtained is 60 litres per hour or 120 litres per hour respectively for the WIT 60 and WIT120 models.

*Five good reasons
to use a WIT system:*

small size: about 18 litres of total volume of space;

thickness: 10/10 chassis bent sheet metal and laser cut, powder-coated;

portability: the WIT system can be disconnected and reconnected in a few simple steps;

minimal operating costs: it costs on average €0.5 cent/litre1 to produce a litre of demineralised water with WIT;[1]

reduced maintenance costs: in case of failure, the system can be easily shipped to our service and repaired in a few days.

SPECIFICATIONS

Wit system basic equipment:

▶ pressure pump;
▶ water connections: 3/8" inlet tube, 1/4" output tube, 1/4" discharge hose;
▶ JohnGuest fittings;
▶ primary filtration through activated carbon cartridge combined with a 5 micron filtration;
▶ pressure gauge and power indicator light;
▶ powder-coated steel container with carrying handle and anti vibration rubber feet;
▶ 220Vca, 50Hz power supply with 1.5 m cable and Shuko pin plug included;
▶ 350W maximum absorption;
▶ possibility of connection with optional storage tank (AROTANK).

Working pressure: max. 10 bar
Dry weight: 15 kg.
Dimensions: base mm.390x300xH200

Options: WIT60   maximum production 60 litres/hour 25°C, 200 litres/hour pump
           WIT120   maximum production 120 litres/hour 25°C, 300 litres/hour pump

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1) Estimated on the average cost of electricity (0.068 €/kWh) and water (4.00 €/mc).

ACCESSORIES

E1900-E20

Pre-filtering raised water 20" inlet (fig. 1).

E1900-M

Upright mounted on the floor (fig.2).

E1900-P

Lack of water protection option.

E1900-WIT

Valve particularly suitable for filling the tanks.
The valve stops water production when the level is reached.
Operator intervention is then necessary to unlock the valve and
resume filling the small tank

CONDUCTIVITY METRE

Portable conductivity meter to keep under control the water produced by the system.

E1900-LCE

System start from a remote control on/off. Numerous level states suitable for most applications are also available.

CONFIGURATIONS

Model	max. range*	Membranes		estimated options			Notes
		number	type				
ENT1905A2	60	2	1218	-E20	-P	-LCE	All accessories are available
ENT1905A4	120	4					

* litres/hour 25°C

INSTALLATION AND MAINTENANCE

This equipment is supplied in a kit complete with fittings for water connections for supply and exhaust and inlet filter with active carbon. The filter must be replaced every 2-3 months.

Numerous connections are available for water supply connection.

Thanks to the strong case, the system can be installed either vertically or horizontally, in order to minimize the space needed.