

**PUR1TE**  
FIRST FOR PURE WATER

**ELITE<sup>PLUS</sup> High Performance  
Reverse Osmosis Units**

20 W - 350 W



## UNIT DESIGN

**Stainless steel base frame** with plastic front panel to house the instruments and controls.

**Special inlet filter**, polypropylene with 5 µm filter cartridge.

**High pressure pump**, rotary-vane type.

**Valves and instruments** including inlet solenoid valve, feedwater pressure switch, permeate and concentrate flow meter, vibration-resistant pressure gauges for pump and concentrate pressure, stainless steel valves for adjustment of permeate, concentrate and concentrate recirculation flow.

**Microprocessor control system** as described below, connecting cable (3 m).

Unit completely wired and pre-assembled and ready for installation.

**Puritron 500 microprocessor** control system for fully automated monitoring and control of the reverse osmosis unit with **two-digit alphanumeric display LCD** of permeate conductivity, forced stop and full tank.

**Alarm signals:** low pressure, hard water and high conductivity.

**LEDs** for operation and disinfection.

**Input** (low voltage) for level control with 1 or 2 float switches, hardness monitoring unit. The *Puritron 500* controller includes control functions for the hardness monitoring unit, shut-downs by external signal (forced stop, regeneration).

20 W

40 W

80 W

150 W

350 W

### Technical Data

		20 W	40 W	80 W	150 W	350 W
PERMEATE FLOW RATE	l/h	17	42	83	166	332
MIN. SALT REJECTION	%	97	97	97	97	97
MAX. RECOVERY	%	75	75	75	75	75
VOLTAGE	V/Hz	230/50	230/50	230/50	230/50	230/50
MOTOR POWER	kW	0.3	0.3	0.55	0.55	0.55
FEEDWATER CONNECTION	DN	20	20	20	20	20
PERMEATE/CONCENTRATE CONNECTION	DN	10	10	10	10	10
MIN./MAX. FEEDWATER PRESSURE	bar	2/6	2/6	2/6	2/6	2/6
MIN./MAX. FEEDWATER TEMPERATURE	°C	5/35	5/35	5/35	5/35	5/35
HEIGHT	mm	1310	1310	1310	1310	1310
WIDTH	mm	640	640	640	660	660
DEPTH	mm	300	300	300	300	315
WEIGHT (APPROX.)	kg	41	46	46	56	71

The units are designed for a maximum TDS of 1000 mg/l, sized on a water temperature of 10 °C and a maximum colloidal index of 3. Under these conditions, the units still reach design permeate flow after three years of operation. With new units the working pressure is about 15% lower. The permeate recovery depends on the raw water quality and the type of pretreatment.

Errors and omissions excluded. Purite reserves the right to change specification without notice.

## ACCESSORIES

### Membrane Care

A range of cleaning chemicals together with CIP (clean in place) trolleys are available to cater for routine membrane maintenance and for removing significant levels of fouling to ensure long membrane life.



### Pre-Treatment

Purite offer a range of pretreatment solutions, including basic exchange softeners, Organic scavengers, back washable carbon and particulate filtration.



### Maintenance Contract

Purite offers a range of service contracts to meet all your needs. As part of Purite's customer focus, we have designed a range of maintenance agreements, which can be tailored to your individual requirements and gives you the security of being carried out by certificated engineers

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