

# Reverse Osmosis Systems

## osmotron® SmarT



The SmarT is an ultra compact water reverse osmosis unit which is ideal for all applications requiring demineralised water, such as warewashing. It is designed for durability and continuous performance with minimal maintenance. The extremely low noise output and attractive appearance allow the unit to be sited almost anywhere.

Features include:

- industrial quality membrane with automatic rinsing
- continuous water quality and plant status indication
- low water pressure safety switch
- pressure control on/off
- low noise output (< 63dB) - can be located anywhere
- High quality stainless steel engineering for durability and ease of maintenance
- high efficiency/low waste design

## TECHNICAL SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| Model                           | Osmotron SmartT                            |
| Permeate capacity at 15°C       | 150 litres/hour                            |
| Reject setting at 15°C          | 50 litres/hour                             |
| Recovery                        | 75%  |
| Salt removal                    | 95-99%                                     |
| Allowable water temperature     | 5-25°C                                     |
| Minimum required water pressure | 2-4 bar                                    |
| Minimum required water supply   | 200 litres/hour                            |
| Working pressure                | 11.0 -12.0 bar                             |
| R.O. pump type                  | PO 801                                     |
| Electrical connection           | 230Volt, 50 Hz, 1 ph                       |
| Total installed power           | 0.55 kW                                    |
| Inlet water connection          | 3/4" BSPF                                  |
| Treated water connection        | 3/4" BSPF                                  |
| Drain                           | 16mm hose                                  |
| Overall dimensions              | Height 210mm<br>Width 600mm<br>Depth 358mm |
| Membrane type                   | Hydranautic ESPA1                          |

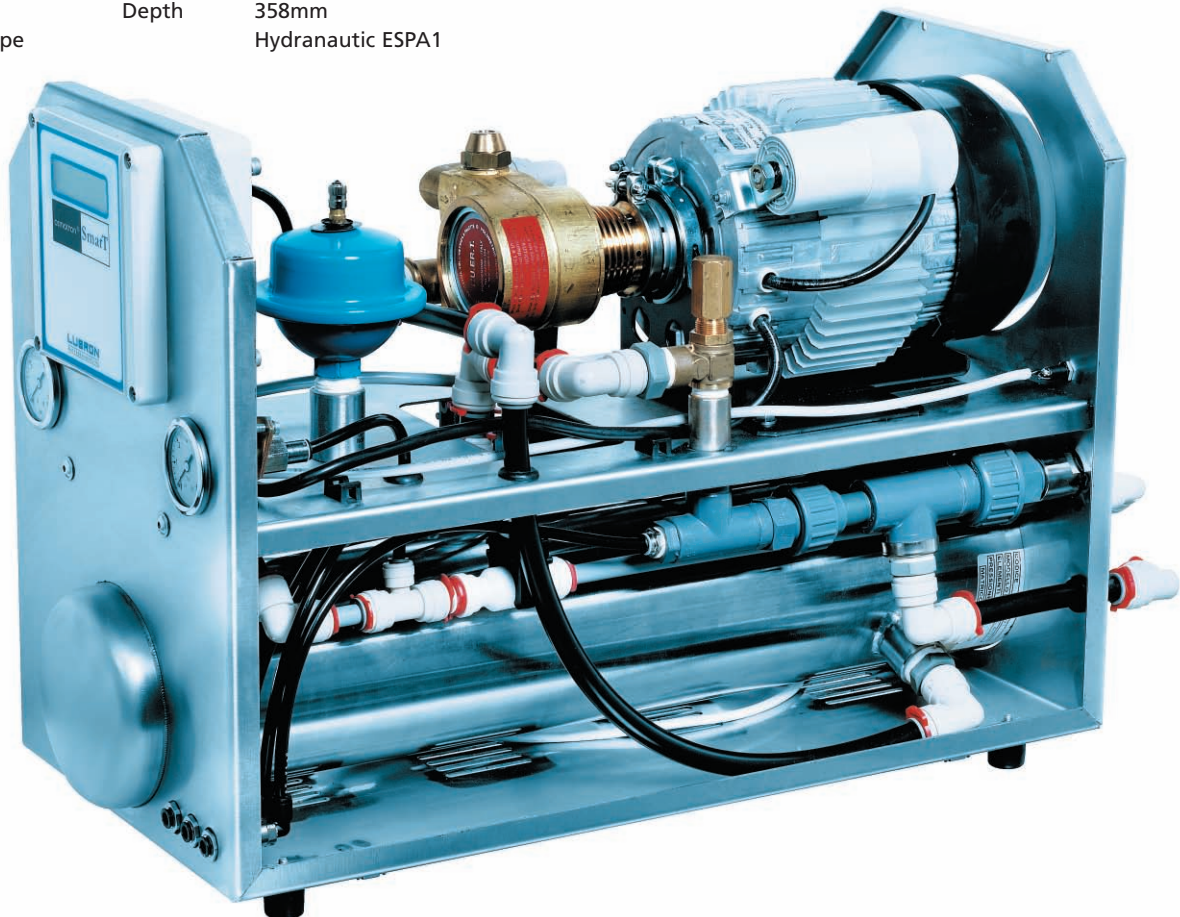
## DESCRIPTION

An open chassis frame of pressed stainless steel containing the following components -

- Inlet solenoid valve
- Inlet pressure switch
- High pressure pump
- 1 ESPA RO membrane in stainless steel HP housing
- High pressure gauge
- Conductivity measuring sensor
- Reject restriction and recycle device
- Treated water pressure switch and mini pressure vessel
- Electronic control unit

### Options

- GAC carbon filter on feed water
- Treated water pressure vessel for high volume fill requirements



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