



Stand Units UO 50 - 500 RSE

Unit design

- Stainless Steel base frame with plastic front panel to house instruments and controls
- Inlet filter with 5 micron cartridge
- High pressure pump rotary vane type
- Spiral-wound elements (TFC - PA)
- GRP Housing with in-liner

Valves and instrumentation

- Feed water sampling valve
- Pressure gauges for pressure drop on cartridge filter
- Inlet solenoid valve
- Feed water pressure switch
- Vibration resistant pressure gauge for pump and concentrate pressure
- Permeate and concentrate flow meter
- Stainless Steel valve for adjustment of permeate and concentrate flow rate

Options

- Hardness monitoring unit Limitron
- Connection set for manual cleaning unit
- Manual cleaning unit

RO 500 Microprocessor

- 2 digit alphanumeric display
For regular process information :
 - ◆ Permeate conductivity
 - ◆ Forced stop
 - ◆ Full tankFor malfunction signal :
 - ◆ Low pressure
 - ◆ High conductivity
 - ◆ Hard Water
- LEDs
 - ◆ operation
 - ◆ disinfection
- Inputs (low voltage)
 - ◆ Level control with one or two float switches
 - ◆ Hardness monitoring units (Limitron)
 - ◆ Shutdown by external signal (forced stop, regeneration)
- Outputs
 - ◆ Softening unit (230V - 50 Hz)
 - ◆ DDC (Collective malfunction signal on floating changeover contact)



Specifications

Model		50 RSE	100 RSE	250 RSE	300 RSE	400 RSE	500 RSE
P/N		5110010851	5110010852	5110010853	5110010854	5110010855	5110010856
Options							
• Hardness monitoring unit Limitron		4804000640	4804000640	4804000640	4804000640	4804000640	4804000640
• Connection set for manual cleaning		5213040924	5213040924	5213040924	5213040924	5213040924	5213040924
• Manual cleaning unit		5213030696	5213030696	5213030696	5213030696	5213030696	5213030696
Flow specifications*							
Permeate Flow	l/h	50	100	250	300	400	500
Min. Salt rejection	%	97	97	97	97	97	97
Recovery	%	75	75	75	75	75	75
Operating parameters							
Operating Pressure	bar	14	12	11	11	10	10
Membrane / Number		2540/1	2540/1	4040/1	4040/1	4040/2	4040/2
Min/Max Feedwater pressure	bar	2-6	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	5-35
Max ambient temperature	°C	40	40	40	40	40	40
pH		3-11	3-11	3-11	3-11	3-11	3-11
Conductivity range (permeate)	µS.cm-1	1-99	1-99	1-99	1-99	1-99	1-99

*Systems are designed for a maximum TDS of 1000ppm, a temperature of 15°C and a maximum fouling index of 3. Under these conditions, the units still reach design permeate flow after 3 years. Permeate recovery depends on raw water quality and flow rate



No liability assumed for dimensions and weight given

Model		50 RSE	100 RSE	250 RSE	300 RSE	400 RSE	500 RSE
Installation and Utility Requirements							
Voltage / Frequency	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Motor power	kW	0.3	0.55	0.55	0.55	0.55	0.55
Protection type	IP	IP54					
Connecting Cable		3 meter long with 16A-6 h CEE 3 pole plug					
Dimensions and weight							
Height (H)	cm	165	165	165	165	165	165
Width (W)	cm	55	76	55	55	55	55
Depth (D)	cm	69	69	70	70	70	70
Weight approx	kg	50	58	60	62	75	77

Photographs are for illustration purposes only. Specifications may change without prior notice.