

Softened water



Wall mounted Stand Units UO 100 - 500 W/S

Unit design

- Stainless Steel base frame suitable for mounting on the wall or floor
- 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

- Inlet solenoid valve
- Feed water pressure switch
- Permeate and concentrate flow meter
- Vibration resistant pressure gauge for pump
- 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 unit (Limitron)
 - ◆ Shutdown by external signal (forced stop, regeneration)
- Outputs
 - ◆ Softening unit (230V - 50 Hz)
 - ◆ DDC (Collective malfunction signal on floating changeover contact)



Specifications

Model		UO 100 W/S	UO 300 W/S	UO 400 W/S	UO 500 W/S
P/N		5110010853	5110010854	5110010855	5110010856
Options					
• Hardness monitoring unit Limitron		4804000640	4804000640	4804000640	4804000640
• Connection set for manual cleaning unit		5213040924	5213040924	5213040924	5213040924
• Manual cleaning unit		5213030696	5213030696	5213030696	5213030696
Flow specifications*					
Permeate Flow	l/h	100	300	400	500
Min. Salt rejection	%	97	97	97	97
Recovery	%	75	75	75	75
Operating parameters					
Operating Pressure	bar	12	12	10	10
Membrane / Number		2540/1	4040/1	4040/2	4040/2
Min/Max Feedwater pressure	bar	2-6	2-6	2-6	2-6
Min/Max Feedwater temperature	°C	5-35	5-35	5-35	5-35
Max ambient temperature	°C	40	40	40	40
pH		3-11	3-11	3-11	3-11
Conductivity range (permeate)	µS.cm-1	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		UO 100 W/S	UO 300 W/S	UO 400 W/S	UO 500 W/S
Installation and Utility Requirements					
Feedwater connection	DN	1" ID	1" ID	1" ID	1" ID
Permeate/concentrate connection	BSP	3/8	3/8	3/8	3/8
Voltage/Frequency	V/Hz	230/50	230/50	230/50	230/50
Motor power	kW	0.55	0.55	0.55	0.55
Prefusing	A	16	16	16	16
Protection IP		IP54			
Connecting Cable		3 meter long with 16A-6 h CEE 3 pole plug			
Dimensions and weight					
Height (H)	cm	151	151	151	151
Width (W)	cm	50	50	50	50
Depth (D)	cm	32	32	32	32
Weight approx	kg	46	56	71	73