

COMMERCIAL AND INDUSTRIAL RO SYSTEM

Designed with both commercial and industrial operators in mind, this range encompasses five distinct systems, tailored to meet a wide spectrum of RO water production levels, spanning from 150 to 1250 litres per hour. Each of these systems is equipped with computer-controlled technology, providing exceptional versatility and an array of automatic flushing settings, ensuring optimal performance even during periods of inactivity. Precision gauges, flow meters, dual TDS meters, and concentrate recirculation valves are included to allow operators to monitor performance effectively and exercise precise control.



FEATURES & BENEFITS



- 100% integrity tested
- Powder coated aluminium frame for effective corrosion and rust resistance
- Compact, space saving design
- Components easily accessible for maintenance, servicing and monitoring performance
- Low operation costs
- Pre-plumbed, wired and assembled

MATERIALS OF CONSTRUCTION



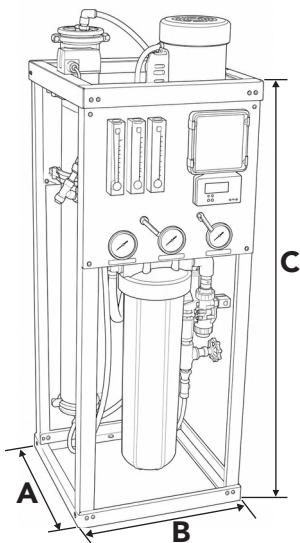
Frame:	Aluminium
Pump:	Stainless Steel
Membranes:	Thin Film Composite
Pressure Vessels:	304 Stainless Steel
Piping Systems:	Polyethylene Tube
Pre-filter Housing:	Polypropylene
Pre-filter:	Carbon Block
Valves:	Stainless Steel

TECHNICAL DATA



Operating Temperature (°C)	4 - 48
Operating Pressure (bar)	6.8 - 10.3
Minimum Feed Pressure (bar)	3.1
Feed Water Source (ppm)	<2000
Recovery with Concentrate Recycle (%)	50 - 75
Nominal Salt Rejection (%)	99
Membranes per Housing	1
Hardness Tolerance (mg/l CaCO₃)	6120
Voltage	220 VAC 50Hz
pH Range, Continuous Operation	5 - 11
pH Range, Short Term Cleaning	2 - 12
Maximum Feed Silt Density Index (SDI)	<3
Chlorine Tolerance (ppm)	0
Maximum Feed Water Turbidity (NTU)	<1

DIMENSIONS



Code	Dimensions (mm)			Active Area (ft ²)	Port Size (")		
	A	B	C		Feed	Permeate	Concentrate
SRO-SYS-5.2	457	457	1143	90	¾	½	½
SRO-SYS-10	457	457	1143	90	¾	½	½
SRO-SYS-21	457	457	1143	90	¾	1	½

PERFORMANCE



FLOW RATE



Code	LPH (m ³ /day)	Operating Pressure bar (psi)	Avg Rejection %
SRO-SYS-5.2	310 (7.48)	@ 6.9 (100)	99
SRO-SYS-10	600 (14.40)	@ 6.9 (100)	99
SRO-SYS-21	1,260 (30.24)	@ 6.9 (100)	99

ORDERING GUIDE



Code	Media	System Size
SRO	SYS	5.2
		10
		21

e.g. SRO-SYS-21