

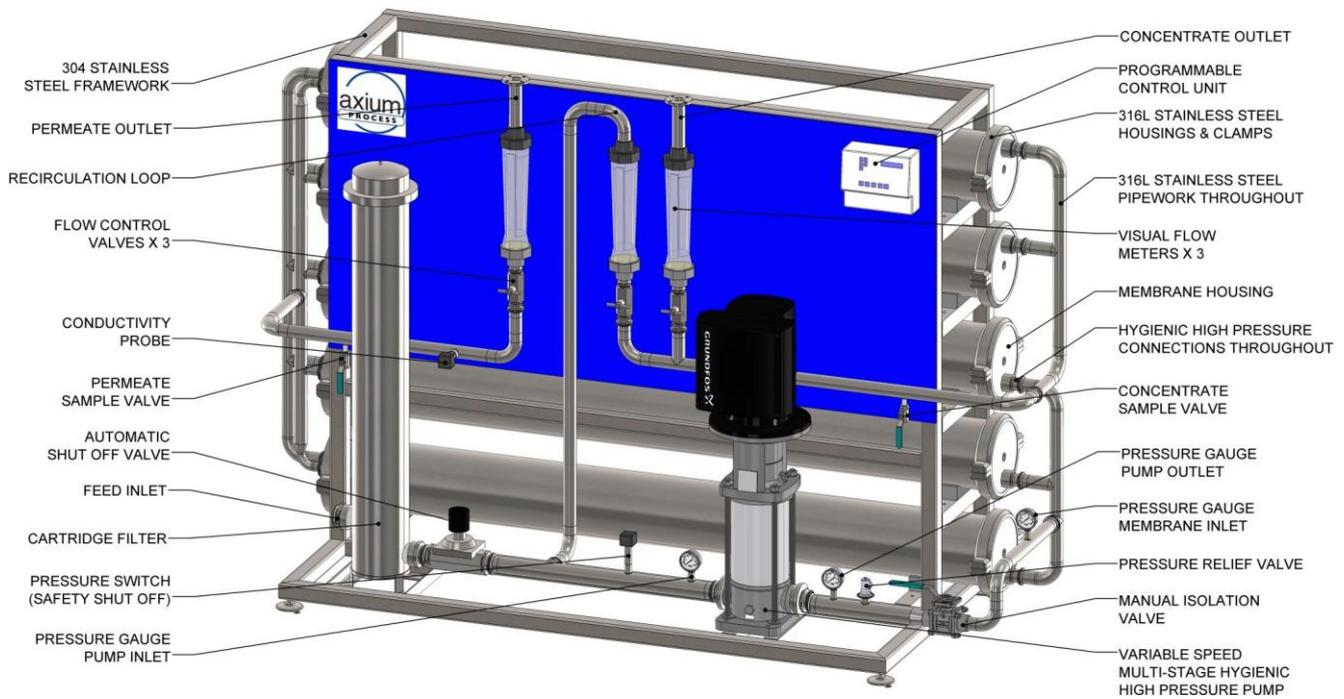
# Standard Membrane Systems

## Reverse Osmosis (RO)



Axium Process Ltd's standard membrane Reverse Osmosis (RO) systems are designed for ease of operation and low maintenance. The RO removes salts and particulates from a variety of water sources providing a stable source of high-quality water that can be used for many industrial and process applications. What separates the Axium standard RO from other Packaged RO's on the Market?

- Manufactured in the UK by experienced engineers, offering unrivalled technical support.
- Purchasing from chemical and process engineers. (Not off the shelf items sold by stockist and distributors)
- 100% Fully welded 316L/1.4404 stainless steel pipework and fittings. (no brittle plastics or glued fittings)
- High Rejection Low Energy membranes.
- Widest range of permeate flows available on a single skid. (no need for duplex skid systems at higher volume)
- Basic instrument upgrades to analogue 4-20mA and digital I/O available on request.
- Standard systems are fully customisable to suit customer requirements.



Standard RO Units	Units	1200 Series	2400 Series	3600 Series	4800 Series	6000 Series	12000 Series	18000 Series
Permeate Flow Rate*	llh	1,200	2,400	3,600	4,800	6,000	12,000	18,000
Concentrate Flow Rate	llh	300	600	900	1,200	1,500	3,000	4,500
Feed Flow Rate	llh	1,500	3,000	4,500	6,000	7,500	15,000	22,500
Recovery	%	80	80	80	80	80	80	80
Salt Rejection	%	97	97	97	97	97	97	97
Conductivity Range	µS/cm	1-200	1-200	1-200	1-200	1-200	1-200	1-200
Temperature Range	°C	1-45	1-45	1-45	1-45	1-45	1-45	1-45
pH Range	pH	2-11	2-11	2-11	2-11	2-11	2-11	2-11
Membrane Housings	Qty	1	2	3	4	5	10	15
Membrane Elements	Qty	2	4	6	8	10	20	30
Total Membrane Area	m <sup>2</sup>	82	164	246	328	410	820	1,230
Operating Pressure*	bar	10	10	10	10	10	10	10
Power Consumption*	kW	2.1	4.1	6.2	8.2	10.3	20.6	30.9
Skid Height	mm	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Skid Width	mm	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Skid Depth	mm	900	900	900	900	900	1,350	1,800
Skid Weight (Dry)	kg	270	390	510	630	750	1,400	2,300

\*Typical Values  
FM071-V01

All data is provided in good faith and is subject to change

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