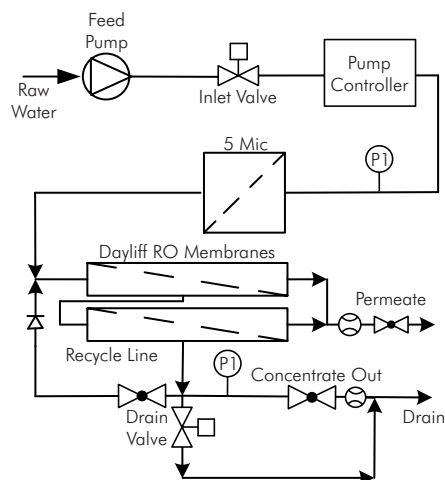




BRO4

Reverse Osmosis Plant



DAYLIFF BRO4 Reverse Osmosis water treatment plants are simplified specification versions of the well-established Dayliff DRO range specifically designed for removal of lighter concentrations of dissolved salts at lower cost. The heart of the system remains efficient low energy Dayliff membranes though control and component specifications are adapted for less arduous operating conditions with the plants being thoroughly engineered to provide reliability with the highest treated water standards. They offer the following features:-

- High efficiency low energy brackish water membranes housed in strong corrosion resistant FRP pressure vessels
- Pre filtration through 5mic sediment filter
- High efficiency Dayliff Feed /Cleaning pump
- Pump controller providing automatic and dry running protection
- Corrosion proof U-PVC high pressure piping
- System monitoring instruments including flow meter and pressure gauges
- Semi-automated plant operation including RO feed water flushing cycle and CIP facility
- Compact skid mounted design for simple installation and transportation

All DAYLIFF RO plants are highly efficient, easy to operate and simple to maintain and offer the ideal solution for small and medium scale reverse osmosis requirements.

Solar power option is available on request.

OPERATING PARAMETERS

Raw Water Quality: TDS level of up to 500ppm, Chloride level <50ppm, Turbidity <1NTU, Iron <0.1ppm, No free chlorine

Normal Rejection: 95%-98%

Water Temperature: 5-35°C, Design Temperature 25°C

Operating Pressure: 3- 6bar

Recovery Range: 30-60% depending on raw water quality. System recovery is entirely dependent on water quality; higher TDS or silt content will reduce the maximum possible recovery and flow rates

Treated Water Quality: TDS level of below 100ppm

EQUIPMENT SPECIFICATIONS

		BRO4/0.25	BRO4/0.5	BRO4/1
Flow Rates (m ³ /hr)	Permeate	0.25	0.5	1
	Feed	0.5	1.0	2.0
Pre-treatment		Sediment 5 mic		
Membrane	Type	4" Low Energy Membrane		
	Modules	1	2	4
	Staging	1	1-1	1-1-1-1
Pump	Type	PKm65	PKm80	PKm100
	kW	0.5	0.75	1.1
Dimensions (LxWxH)mm		1200x700x1700		
Weight, Kg		75	80	90