

# Ultra-Flo<sup>®</sup> LRO-120 BRACKISH WATER

Reverse Osmosis (RO) Membrane System



## System includes:

- R.O. membrane modules
- Electrical control panel with PLC and D.O.L. / Frequency-Controller
- Feed and Hi-Pressure Pumps
- 5µm Guard-Filters
- Manual & Electrical Solenoid Control Valve
- Pressure Gauges, Flow Meters
- Permeate Conductivity Meter
- System on Racking, PVC & Stainless Steel Piping
- C.I.P setup with Tank

## LPRO System & Operating Limit :

|                        |                                |
|------------------------|--------------------------------|
| Recovery               | 75~90 %                        |
| Operating Temp         | < 50° C                        |
| Operating Pressure     | < 20 Bar                       |
| Electrical Power       | 3 x 415V/ 50Hz/<br>Three Phase |
| Max. SDI (15min.)      | < 5.0                          |
| pH range               | 3 – 10                         |
| Feed Max. Turbidity    | < 1.0 NTU                      |
| Chlorine Concentration | < 0.1pm                        |

**Note:** Any of the above mentioned component is subjected to change without prior notice.

## Membrane Specifications :

|                |                                     |
|----------------|-------------------------------------|
| Type           | TFC (Thin Film Composite)           |
| Material       | PA (Polyamide)                      |
| Charge         | Negative                            |
| Configuration  | Spiral-Wound, FRP Wrapping          |
| Membrane Size  | Diameter 8" x Length 40"            |
| Effective Area | 400 sq ft/membrane                  |
| Flow Rate      | 0.8~1.0 m <sup>3</sup> /hr/membrane |

**Note:** Selection of membrane will depend on the application  
Flow rate depends on the type of feed water



International  
Water Association

**Ultra-Flo Pte Ltd**  
2 Tuas Avenue 10  
Singapore 639126  
Tel: +65 6457 7533  
Fax: +65 6457 7517