



### BASIC FEATURES:

- Adaptive PLC control to allow variations in feed water composition (TSS)
- Open skid with configurable inlets and outlets
- MODBUS communication
- AS3000 compliant electrical panel with emergency push button
- Automatic concentrate flow-control valve
- Autoflushing
- 3-way valve on permeate outlet
- Data logging, alarms by email or SMS
- Energy Saving Polyamide membranes

### DIGITAL INSTRUMENTATION

#### STANDARD:

Flow : .....permeate, concentrate  
 Conductivity: .....feed, permeate  
 Temperature : .....feed, permeate  
 Pressure : .....before & after HPP, con valve

#### OPTIONAL:

ORP (oxidation-reduction potential).....feed  
 PH : .....feed  
 Turbidity: .....feed

### OPERATING PARAMETERS

Recovery: .....70% - 85%  
 Operating temp. range: .....15° - 30°  
 Minimum inlet pressure: .....2 bar  
 Nominal membrane rejection : .....97%-99%

### MATERIALS OF CONSTRUCTION:

High-pressure piping.....316 SS  
 Low-pressure piping.....LLDPE and 316 SS  
 Motorised valves.....Stainless steel  
 Frame.....anodised aluminium  
 Clamps.....synthetic material  
 Cartridge filters housing.....synthetic material  
 Electric panel .....powder-coated galvanised steel  
 Membranes.....Energy Saving Polyamide

### PRE/POST-TREATMENT

#### STANDARD:

- 25µm cartridge filtration

#### OPTIONAL:

- 0.02 µm Ultrafiltration (UF)
- Media filtration
- Acid/antiscalant/chemical dosing
- Iron/Manganese removal
- Softening
- Remineralisation
- Chlorination / UV disinfection
- Transfer pumps and storage tanks

### FEED WATER QUALIFYING LIMITS

Iron.....< 0.05 ppm  
 Manganese.....< 0.05 ppm  
 Aluminium.....<0.05 ppm  
 Oxidation potential .....<175 mV  
 Oil & grease .....no detectable  
 Turbidity.....< 1 NTU  
 TOC.....< 2 ppm

### OTHER AVAILABLE OPTIONS

- Low-pressure pump
- IP-65 enclosure or containerisation
- Soft start or VFD for HPP
- Automatic Clean in Place (CIP)

### COUNTRY OF ORIGIN:

Designed and manufactured in NSW, Australia