



BASIC FEATURES:

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

DIGITAL INSTRUMENTATION

STANDARD:

Flow :feed, filtrate
Turbidity:feed, filtrate
Temperature :feed, filtrate
Pressure :before feed pump

OPTIONAL:

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

OPERATING PARAMETERS

Recovery:80% - 95%
Operating temp. range:15° - 30°
Minimum inlet pressure:2 bar
Nominal filtrate turbidity :< 0.1 NTU

MATERIALS OF CONSTRUCTION:

Piping.....PVC
Low-pressure piping.....LLDPE and 316 SS
Motorised valves.....Stainless steel
Frame.....anodised aluminium
Clamps.....synthetic material
Cartridge filters housing.....synthetic material
Electric panelpowder-coated galvanised steel
Membranes.....Energy Saving PVDF

PRE/POST-TREATMENT & BACKWASH

STANDARD:

- 100µm cartridge filtration
- Backwash initiated on time
- Backwash pump and tank

OPTIONAL:

- Self-cleaning disk filters
- Media filtration
- Air scour cleaning
- Chemical backwash cleaning (chlorine/acid/base)
- Backwash sequence initiated on diff pressure or filtered volume
- Transfer pumps and storage tanks

FEED WATER QUALIFYING LIMITS

Turbidity.....< 300 NTU
TSS (Total Suspended Solids).....< 100 mg/L
TOC (Total Organic Carbon)< 40 mg/L
COD (Chemical Oxygen Demand).....<60 mg/L
Oil & greaseno detectable
Particle size.....< 300 µm
PH.....6 to 9

OTHER AVAILABLE OPTIONS

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

COUNTRY OF ORIGIN:

Designed and manufactured in NSW, Australia