

The automatic desalination plant has been designed to minimise the amount of manual operator input. The system once programmed will run to the requirements of the owner with minimal maintenance.

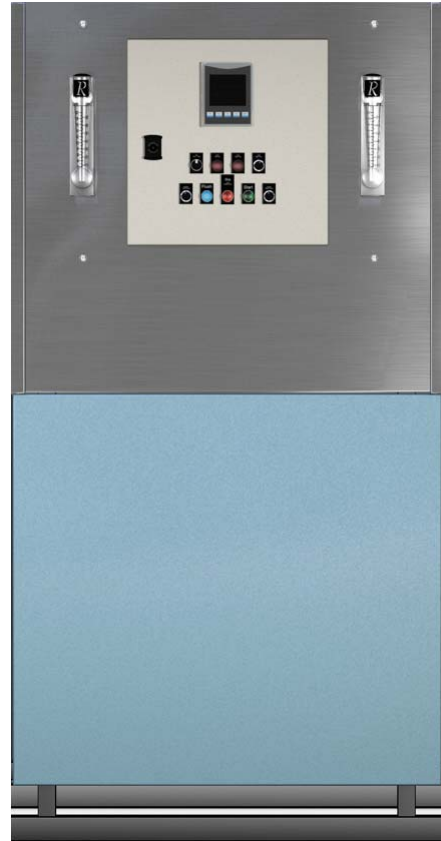
**Application:**

The DSB-10-01 is an ideal system for those wanting to solve water quality issues with minimal intervention with the operation of the equipment. Common application include:

- **Brackish Water**
- **Salinity Issues**
- **Iron Staining**
- **Hard Water Issues**
- **Soft Water Issues**

**Features:**

- 240V, 2.2 kw or 3 kw, 3hp sealed motor with overload protection
- Vertical Multi stage 316 S/S Wet End
- Primary filter cleaning blockage alert
- Low bore water pressure auto shut down
- Over pressure auto shut down
- Fully automatic Hi-Lo tank functionality
- Long Membrane life  
(Dependant on usage per annum and quality of water)
- Corrosive resistant fittings
- Digital pressure readout
- Automatic system safety fault detection
- Automatic machine bore flushing function



**Technical Specifications:**

- **Capacity:** **Up to 60,000 Litres per 24hrs\***  
(Approximately 41.7 litres per minute)
- **Input Pressure:** 300 – 380 kPa
- **Pump:** 1 x 316 S/S 2.2 kw or 3 kw  
Vertical Multistage
- **Filter:** Spiral Wound RO
- **Pre-Filter:** 2 x Pre-Filter
- **Auto Cutoff:** Digital
- **Flow Meter:** 1 Waste, 1 Treated
- **Pressure gauge:** Digital
- **T.D.S indicator:** Optional
- **T.D.S max:** 10,000
- **Dimensions (mm):** 700 x 670 x1560 (approximate)
- **Power Req:** 15Amp single phase or 3 phase

\*Machine capacity varies with number of membranes and water chemistry.

Eg: If Capacity is calculated on a maximum Total Dissolved Solids (T.D.S) of 2,000 mg/l NaCl at 75% recovery.

- 3 Membrane machine is capable of producing:  
Upto 19,000 litres per 24 hrs
- 10 membrane machine is capable of producing:  
Upto 60,000 litres per 24 hrs

Machines available with 2 to 10 membranes.

