

The manual desalination plant has been designed and manufactured as a small economical domestic unit. The system has low pressure proven performance membranes with manual flushing facility.

Application:

The DSB-5-01 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, 2hp sealed motor with overload protection
- Vertical Multi stage S/S Wet Ends
- Long Membrane life
(Dependant on usage per annum and quality of water)
- Corrosive resistant fittings
- Analogue pressure gauges
- Low bore pressure cut out switch
- Manual membrane fresh flushing
- Pre-filter for bore water
- Dosing Unit for anti-scale
- High quality spiral wound RO filters



Technical Specifications:

- **Capacity:** **Up to 13,500 Litres per 24hrs***
(Approximately 9.4 litres per minute)
- Input Pressure: 300 – 380 kPa
- Pump: 1 x S/S Vertical Multistage
- Filter: Spiral Wound RO
- Pre-Filter: 2 x Pre-Filter
- Auto Cutoff: Yes
- Flow Meter: Yes
- Pressure gauge: Analogue
- T.D.S Indicator: Optional
- T.D.S max: 10,000
- Dimensions (mm): 520 x 520 x 1130
(approximate)
- Power Req: 10 Amp

*Machine capacity varies with number of membranes and water chemistry. Capacity is calculated on a maximum Total Dissolved Solids (T.D.S) of 2,000 mg/l NaCl at 75% recovery.

- 2.5" Membrane machine's are capable of producing:
Up to 5,500 litres per 24 hours
- 4" Membrane machine's are capable of producing:
Up to 13,500 litres per 24 hours