

# Direct Flow 800 Water Purifier

## The best quality drinking water.

Reverse osmosis (RO) water purifiers are able to produce an amazing level of water purity and remove nearly all contaminants.

The New **Direct Flow 800** RO system is a fine example of the technology.

The Reverse osmosis process is able to remove approximately 95% of contaminants such as chlorine, lead, fluorides, bacteria and viruses, as well as unpleasant tastes and odours from water. The result is a highly pleasing, fresh tasting drinking water.

Traditional RO systems operate on mains water pressure using a semi-permeable membrane. This rejects impurities and washes them down the drain. The pure water is collected and stored in a tank for use at a later time.

The drawbacks of this system are that the proportion of water used to wash away the contaminants can be very high as the process is water pressure and temperature dependant. Some systems waste 9 litres of water to produce just one litre.

Also the speed at which the water is produced is a trickle, so the water must be collected and stored for later use. If usage patterns vary and more water than is available in the tank is required in one go then the system runs out of pure water temporarily.

The New Direct Flow 800 system utilises a high pressure pump and the very latest membrane technology to produce Pure Drinking water on demand at a flow of 2 litres per minute.

The system also monitors and displays feed water quality as well as the purity of the drinking water in real time.

By eliminating the storage tank from the system the Direct Flow 800 Water Purifier eliminates the possibility of stagnation, temperature gain and tank failure/contamination.



Display showing real time water quality monitoring and cartridge life indicators

## Technical specification Direct Flow 800 Water Purifier

Nominal pure water production rate	126 litres per hour
Minimum / maximum operating temperature	4° to 38° C
Minimum / maximum water pressure	0.5 to 3 bar*
Membrane type	Thin film composite (TFC)
Recovery ratio	1 to 1
pH range	6 to 9
TDS level	No more than 1500mg/l
Water hardness	No more than 170 mg/l
Pre & post filters	Carbon block cartridge/ T33
Dimensions of membrane module (W x D x H mm)	169 x 392 x 422mm
Pre and post filter cartridge life	12 months
Membrane life	Variable – approximately 3 years on soft water**
Warranty (excluding consumables)	1 year
Water flow to tap	2.1 L/min (max)
Power requirement (supplied with a 36V 3.3 amp transformer)	230V 50Hz

\*Pressure limiting valve required if exceeded

\*\*Depending on water quality and usage

### Features:

- High performance carbon pre and post filters..
- No storage tank required,
- Compact design for under sink installation.
- High performance membrane
- Leak Protection
- Cartridge reminder system
- Real time Water quality monitoring
- Waste water ratio 1:1

