

PUREFLO REVERSE OSMOSIS WATER FILTERS FOR HUMIDIFIERS

By removing the minerals from a humidifier's supply water the limescale that builds up in the system is virtually eliminated. This results in a much lower level of required maintenance in all types of humidifier and reduced energy consumption in steam humidifiers. These cost savings can lead to a payback on the initial purchase of the RO (reverse osmosis) unit in around one year.

Steam humidifiers that run on mains water need to drain their boiling chambers occasionally to maintain a low mineral content and reduce limescale build-up. By using RO supply water, the steam humidifier's boiling chamber does not require this regular drain. Therefore it uses less energy to maintain the water's temperature.

As the water temperature is consistent, the steam output is also consistent thus improving humidity control. By using resistive steam humidifiers fed by RO water $\pm 1\%RH$ control can be achieved.

Other benefits of using RO water with humidifiers include increasing the life of the evaporative pads in evaporative humidifiers and preventing dust carry-over in spray humidifiers.

Benefits

- Virtually eliminates scale build-up in humidifiers
- Reduces maintenance time & cost
- Reduces energy consumption
- Enables precise humidity control
- Extends humidifier life



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High Efficiency, All-In-One System

The PureFlo RO filter is an all-in-one water treatment system, requiring no associated pumps or tanks to operate. Three models supply up to 100, 250 or 500 litres of RO water per hour at a supply pressure of up to 3bar.

The system has a typical total dissolved solids rejection rate of up to 95% and a very high recovery rate, delivering up to

50% of the supply water as RO water.

The unit comes complete with a 3-stage pre-filtration assembly that removes chlorine and any non-dissolved particles down to one micron.

The unit has a 23 litre water tank providing a large quantity of RO water on demand and four pressure gauges

showing inlet water pressure, filtration pressure, pump pressure and outgoing water pressure.

These allow for easy commissioning and trouble-shooting.

An optional blend feature allows the quality of the product water to be adjusted.

LED status indicators

Inlet pressure gauge

Pump pressure gauge

5 micron filter

1 micron filter

Filtration pressure gauge

Outgoing water pressure gauge

Carbon filter

Semi-permeable hyper-filtration membranes

Integrated 23 litre water tank

Water pump

