

## Reverse Osmosis

### ROstill

ROstill purifiers produce water quality to BS3978 Grade 2 by a combination of reverse osmosis and deionisation. Reverse osmosis removes up to 98% of the dissolved solids from the mains water, the remaining ions being removed by the deioniser cartridge. The ROstill HP produces higher grade water and incorporates a conductivity meter to indicate the treated water quality.

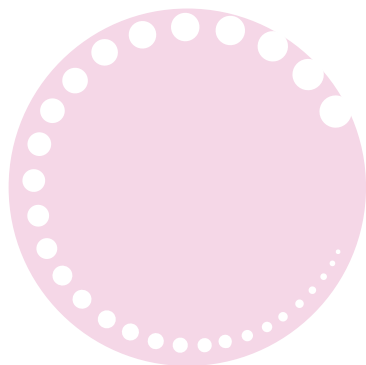
Product No	10902/01	10902/02	10902/03
Model	Mini ROstill	ROstill	ROstill HP

### Typical Water Quality Achieved

Residual solids	<0.5 mg/l	<0.05 mg/l	<0.02 mg/l
Conductivity at 25°C	1-10µS/cm	0.1-1µS/cm	0.07-1.0µS/cm
Heavy metals	<0.01 mg/l	<001 mg/l	<0.0001 mg/l
Silica	<0.1 mg/l	<0.001mg/l	0.02 mg/l
pH	Neutral	Neutral	Neutral
Exhaustion indicator	10µS/cm	1µS/cm	0.1-10µS/cm

### Technical Data

Flowrate			
Feedwater @ 25°C	1.0 litres/hour	2.0 litres/hour	2.0 litres/hour
Feedwater @ 10°C	0.5 litres/hour	1.2 litres/hour	1.2 litres/hour
Deioniser Cartridge Output			
400mg/l TDS feed	440 litres	1225 litres	1400 litres
200mg/l TDS feed	880 litres	2450 litres	2800 litres
Feedwater pressure	2-6 bar (30-90psi)	2-6 bar (30-90psi)	2-6 (30-90)
Feedwater temperature	1-35°C	1-35°C	1-35°C
Dimensions H x W x D-mm	410 x 230 x 100	515 x 305 x 100	575 x 305 x 100
Weight	6Kg	8Kg	9Kg



### Accessories

Should 30psi feedwater pressure not be available, then a Booster Pump will be required. If the pressure can exceed 90psi, a Pressure Regulator should be fitted to protect the apparatus. If the water supply contains particulates, then a pre-filter is recommended to protect the reverse osmosis membrane. The MROI includes an inlet isolating valve, 4 metres of tubing for connection to the inlet/drain, 2 metres of tubing which may be connected to the outlet, if required, and tubing clips. To meet peaks in demand, you may like to consider using the optional 37 litre tank.

Product No	Description
10902/11	Benchmount stand
10902/12	10" 10µm filter & housing
10902/13	Installation Kit (Mini-ROstill)
10902/14	Installation Kit (ROstill/ROstill HP)
10902/15	Booster pump set
10902/16	Pressure Regulator
10902/17	37 litre storage tank
10902/18	Wall brackets for R371

### Consumables

Product No	Description	For model
10902/51	Deioniser cartridge	Mini ROstill
10902/52	Deioniser cartridge	ROstill
10902/53	Deioniser cartridge	ROstill HP
10902/54	10" 10µm Filter element	Prefilter

## Water Stills

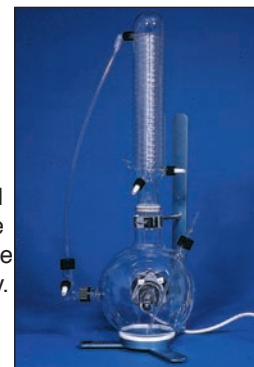
A range of stills to suit various needs and budgets. All require a minimum feedwater pressure of just 5psi and produce treated water quality as follows:

Conductivity	<2.5µS/cm (single distilled) <.5µS/cm (double distilled)
Resistivity	>0.4megohm-cm (single distilled) >0.65megohm-cm (double distilled)
pH	5.5-6.5
Temperature	<35°C

The distillate will be essentially pyrogen-free but this should be tested prior to use. A comprehensive list of spares is available for all models.

### Vertical

These stills are of traditional and simple design, proven to give reliable performance over many years. An efficient double-spiral condenser is mounted on a spherical boiling chamber that minimises heat-loss and saves energy. A constant level device controls water flow and heaters feature built-in thermostatic cut-outs for safety. A sturdy metal bracket is provided enabling stills to be either bench or wall mounted.



Product No	Output
10903/01	4 litres/hour
10903/02	8 litres/hour