

Water Stills & Accessories



Barloworld
Leading brands

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Distillation is the most widely used technique for purifying water in the modern laboratory. It can produce sterile, pyrogen free water, and removes both organic and inorganic material giving a consistent output not dependent on water supply pressure or temperature.

It is a visible process and very easy to monitor, with no concealed membranes or resins to degrade and affect water quality.

The glass construction including glass sheathed heaters ensures a distillate free from metallic contamination. Distilled water is the ideal feed for an Ultrapure system to produce ASTM Type 1 water.

Above all, water stills are the most reliable method of purifying water available.

Bibby Sterilin has been involved in the development of water purification equipment for more than thirty years. This experience is reflected today in a range of water stills, deionisers and filters for laboratory use in schools, universities, hospitals and in industry. Our reputation for performance, reliability and value for money is second to none.

Quality distilled

High distillate purity, versatility and ease of use - the Aquatron Automatic Water Still provides an unbeatable combination of features ensuring problem free distillation.

The Aquatron Stills feature an uprated electrical specification and improved safety cut-out devices.

A built-in filter, together with a 'flow sensitive' safety cut-out system, enables you to use your Aquatron in complete safety with low quality or low pressure water sources - conditions in which many other water stills cannot operate.

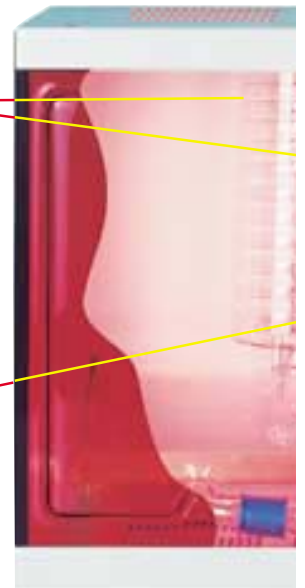
Unbeatable Specification

Unique PYREX® double pitch coil condenser ensures a low temperature distillate - around 25° - 35°C, ready for immediate use.

The boiler links to the condenser via an extra long vapour tube with built-in baffles to prevent raw water carry-over.

Easy to clean

The funnel allows cleaning acid to be fed into the boiler without dismantling glassware, allowing for easy descaling. ROTAFLO® stopcock allows simple draining of chemicals after cleaning



Deionisers & Filters

A simple conversion kit allows you to connect Aquatron Water Stills to any pretreated supply, including most types of deioniser or reverse osmosis equipment.

Aquatron deioniser and filter units (see page 10) are the ideal complementary system for the Aquatron still, protecting it from solid 'fines' in the water, improving quality and preventing scaling.

They can also be linked in series and wall mounted next to the Aquatron unit for maximum convenience.





Aquatron

- ◆ 3 models to choose from
- ◆ Guaranteed problem free distillation
- ◆ High quality, low temperature output
- ◆ Operates from any water source including pre-treated feed
- ◆ Flow safety cut-out system
- ◆ Full compliance with safety standard IEC1010 and CE mark

Fully automatic

Push button switches and clear indicator lights for simple operation and easy monitoring. A level control device automatically turns off the heater and water supply when the reservoir is full.

Improved Safety

First class electrical specification designed to meet the most stringent safety standards (IEC1010).

Still protection

Two safety cut-out devices protect the Aquatron in the event of coolant or feed-water failure

Tube connectors

Internal connections to the condensers are made with Bibby Screwthread Connectors - hoses can be fitted or removed in complete safety without excessive force.

Maximum quality

The long life heating element sheathed in silica glass for maximum purity helps provide an exceptionally high quality pyrogen-free output (Conductivity less than 2µS/cm).

Easy Installation and Service

Aquatron Stills are easily installed. Wall mounting is a built-in option on the A4000 and A8000 models. The tinted screen and cabinet roof are easily and quickly removed for access to all glassware and components.



Distinctly *superior*

The Distinction Water Still lives up to its name - rapid, reliable, convenient and economical.

The distinctive features of the Distinction show a care in design that puts it apart from other budget water stills, providing safety and quality at a competitive price.

With a range of benefits usually associated with more expensive models, the Distinction represents unbeatable value for money.

Distinction

Safety

All electrics are fully enclosed and are designed to meet the most recent international electrical safety standards. The Distinction complies fully with IEC1010-1/EN61010-1:1993.

Thermal cut-outs

To prevent the still from overheating in the event of cooling water supply failure, the Distinction is fitted with two independent thermostats.

One is mounted in the condenser vent tube and will quickly detect coolant supply failure and turn off the heater. The second is mounted inside the boiler and will turn off the heater if the water level becomes too low - e.g. caused by glassware breakage or if the drain is accidentally left open. The second thermostat also acts as a back-up to the first for extra security



PYREX® quality

The design of the highly borosilicate glass coil condenser allows for the high temperature of distillate at immediate use.



Distinction

- ◆ Available in 220V or 240V
- ◆ Reservoir level control
- ◆ Double overheating protection
- ◆ Silica sheathed heating element
- ◆ Boiler drain stopcock
- ◆ Totally enclosed electrics
- ◆ Full compliance with safety standard IEC1010 and CE mark

Construction

The all-glass construction including silica sheathed heating element ensures high quality distillate, complying with the European Pharmacopoeia for purified water and ASTM type 4.

As there is no metal in contact with the water the Distinction eliminates the risk of metal ions leaching out into water causing contamination. The metal support stand allows the still to be either bench or wall mounted.



cient vertical PYREX®
 nser ensures a much lower
 output, cool and ready for

Convenience

- The Distinction Still is supplied complete with a level control device which clips into the collecting reservoir and will automatically turn off the heater when the reservoir is full. This allows the still to be left running unattended without risk of the reservoir overflowing.
- The Built in PTFE drain stopcock and acid funnel allow easy cleaning without dismantling the glassware.
- Screw-thread connections for safe and simple hose fitting and removal.
- Wall or bench mounted.



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Pure efficiency

Bibby Sterilin's new Merit Water Still combines economy and high performance with a host of additional features that comparable stills cannot match.

The Merit is the ideal choice for the budget conscious laboratory that can't afford to compromise quality.

Make the Merit your next water still and you will find it reliable, easy to use and safe to clean.

Safe to operate

Two independent thermostats protect the Merit from overheating in the event of water supply failure. These are fitted with reset buttons to prevent operation before the supply is restored.

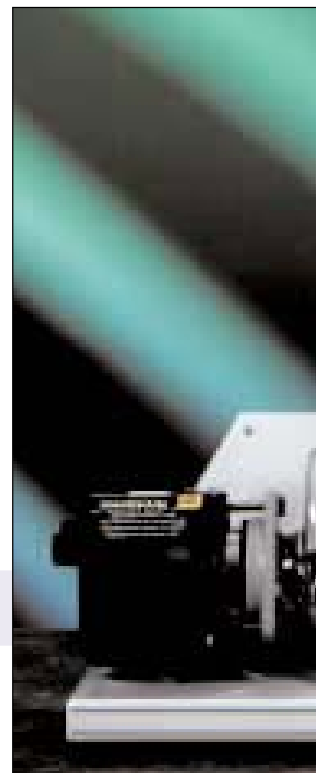
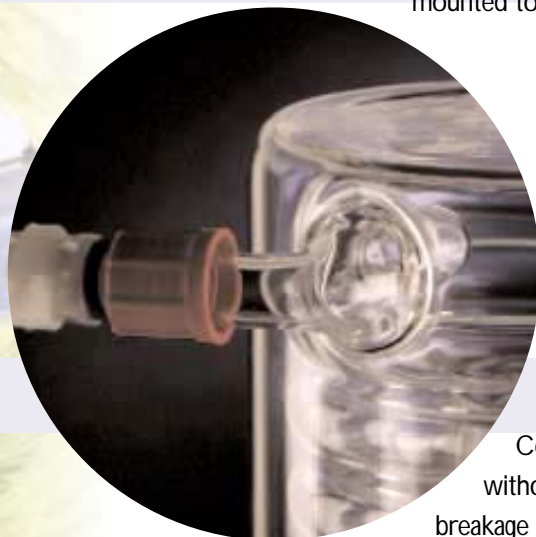
Simple to install

The Merit is compact in size with a strong metal stand. It can be used on a bench or wall mounted to save space in a crowded lab.

Connectability

The condenser plumbing connections are via Screwthread Connectors. They allow hose to be quickly fitted or removed without excessive force, avoiding the danger of glassware breakage during assembly.

Merit



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Merit

- ◆ *Economy plus*
- ◆ *Drain stopcock for easy maintenance*
- ◆ *High quality, low temperature output*
- ◆ *Built-in thermostats*
- ◆ *Compact size*
- ◆ *Full compliance with safety standard IEC1010*

Fast output

Up to 4 litres/hr of distilled water produced from the horizontal borosilicate glass boiler, fitted with a 3kw chromium plated heater.

The PYREX® high efficiency coil condenser ensures a cool distillate ready for immediate use.



Quality distillate

Ideal for general laboratory usage - the Merit complies with internationally recognised standards IEC1010 and has the CE mark.

Drain stopcocks

Unusually for a budget price Water Still, the Merit is fitted with a drain stopcock to allow easy cleaning. The built-in funnel allows cleaning solutions to be added to the boiler safely without dismantling the glassware. Acid residues can easily be drained away through the stopcock. The PTFE ROTAFLO® design has a large bore to avoid blockages and does not require lubrication.



Aquatron Deioniser Unit

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- ◆ Quickly and efficiently removes inorganics from your water supply to produce high quality water (conductivity better than 15µS/cm).
- ◆ Handles flow rates of up to 60 litres/hr.
- ◆ Links up with the new Aquatron water stills to prevent a build up of scale - no need for boiler cleaning.
- ◆ Low cost, disposable cartridge with colour-change resin - **changes from green to blue so you can tell at a glance when a cartridge is exhausted and needs replacing.**
- ◆ Cartridge typically produces up to 110 litres of deionised water when fed with water of average hardness.
- ◆ Robust housing in clear AS plastic
- ◆ Free standing or wall mounted.
- ◆ Easy to use standard tap connectors



Aquatron Filter Unit

- ◆ Quickly and efficiently removes particles including rust and silt from your water supply.
- ◆ Operates at flow rates up to 1,500 litres/hr filtering out particles above 10 micron size.
- ◆ High performance, low cost disposable filter elements, fit easily into standard ABS plastic housing.
- ◆ Supplied complete with hose connectors, base unit and spanner.
- ◆ Links up to the new Aquatron water stills to remove larger particles which could cause still damage.
- ◆ Works independently or in tandem with the deioniser unit.
- ◆ Free standing or wall mounted.
- ◆ Easy to use standard tap connectors
- ◆ Disposable filter cartridge in spun-bonded polypropylene.



ACCESSORIES



WR20
20 litre PYREX® borosilicate glass reservoir, complete with ROTAFLO® stopcock, lid feed pipe and bacteriological filter.



WS20
43cm high Reservoir stand for use with WR20.



WCK
Water-feed conversion Kit for converting Aquatron stills to feed from deionisers and pre-treated water supplies.

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FM24272 BS EN ISO 9001 : 1994
FM13227 BS EN ISO 9002 : 1994