



# AquaLab

## Water Distillers



# AquaLab Pro

The AquaLab Pro is a revolutionary concept in distillation, surpassing all accepted purity, performance, and reliability levels of traditional water stills. The AquaLab Pro has been designed to provide the many benefits of distillation with the minimum of fuss and maintenance. Through microprocessor control, a thermistor sensor, manages many aspects of the Still's operation by automatically sensing water levels in the glassware. This includes operation by automation of the heating elements, pre-treated water feed flow and functions within the Still's cleaning cycle. Available in 4 or 8 L/hr single distilled or 4 L/hr double distilled.

## Purity

The patented vapour trap eliminates all carry over while the advanced borosilicate glassware design removes the risk of foaming and improves purity levels.

## Safety

The thermistor protects the Still against interruptions in the water supply controlling heater operation. Additional protection is provided by a thermal cut-out fuse to prevent overheating. Operator protection is assured through totally enclosed glassware and built-in spillage tray.

## Reliability and Ease of Use

Combined with the microprocessor, the thermistor sensor provides precise control of the Still and simplifies operation and cleaning procedures. A vertical boiler configuration minimises stress on the durable silica sheathed heating elements. Along with an auto-drain function, this design also helps to reduce the build-up of scale. The AquaLab Pro is supplied with an electronic float switch which will shut off the Still automatically when the storage reservoir is full, enabling safe, unattended operation.



## Features

- Highest purity, pyrogen free distillate.
- Patented vapour trap.
- Outputs of 4, 4 double-distilled and 8L/h dependant on model.
- Pre-treated feed option - to eliminate the need for descaling of the Still's boiler in hard tap water areas.
- Advanced microprocessor control.
- Safe and reliable operation.
- Matching 30L Reservoir (AquaLabPro-Reservoir) incorporates a fast flow tap and a sight tube showing the contents of the reservoir. Distillate access ports are fitted on both sides allowing the reservoir to be sited either side of the Still.

# AquaLab Eco

The AquaLab Eco automatic Stills offer many of the proven features of high performance stills at an economical price. The AquaLab Eco is available with outputs of 2 or 4 L/hr and can be bench or wall mounted. The 2 litre Still is suitable for use in the smaller laboratory where as if higher outputs are required, the 4 litre model is ideal.



## Guaranteed Purity

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Incorporating the same patented vapour trap as the AquaLab Pro, the AquaLab Eco produces the very highest quality pyrogen free water. Purity is also assured through all borosilicate glass construction and the use of durable, silica sheathed heating elements.

## Convenient Automatic Operation

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The AquaLab Eco can be connected directly to a mains tap supply or where preferred, from a pre-treated water supply using the optional pre-treated feed kit. An automatic flow controller governs the rate of water consumption and allows the unit to be used over a wide tap water pressure range. In the pre-treated mode, purified water is fed directly to the boiler and tap water is used for cooling purposes only. The AquaLab Eco Still is offered with an optional reservoir tank which allows a reserve of up to 30 litres of storage capacity. The tank's polyethylene liner is fitted with an air filter, fast flow tap and contents sight tube and provides a convenient and compact collection system. Automatic shut off is provided by the Still's controls.

## Safe and Easy to Use

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A high temperature cut-off protects the heaters in the event of water failure, while operator safety is assured through totally enclosed glassware. The AquaLab Eco stills and the optional reservoir tank can be bench or wall mounted. For ease of cleaning, the Still is fitted with a boiler drain valve. Cleaning solution is simply introduced into the boiler, via the constant level device - no dismantling is necessary.

## Features

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- Outputs of 2 and 4 L/hr dependant on model.
- A high temperature cut-off protects the heaters in the event of water failure, while operator safety is assured through totally enclosed glassware.
- Pre-treated Feed Option.
- Matching 30L Reservoir Tank (AquaLabEco-Reservoir).
- Highest Purity, Pyrogen Free Distillate.

# AquaLab

## Specifications

Model NO.	AQUALAB-PRO-4L	AQUALAB-PRO-4BD-4L	AQUALAB-PRO-8L	AQUALAB-ECO-2L	AQUALAB-ECO-4L
Output capacity	4 litres. hr <sup>-1</sup> single distilled	4 litres. hr <sup>-1</sup> Double distilled	8 litres. hr <sup>-1</sup> Single distilled	2 litres . hr <sup>-1</sup> Single distilled	4 litres . hr <sup>-1</sup> Single distilled
Pyrogen Free	Yes	Yes	Yes	Yes	Yes
pH	5.6 - 6.0	5.6 - 6.0	5.6 - 6.0	5.6-6.0	5.6-6.0
Conductivity	1µS. cm <sup>-1</sup>	1µS. cm <sup>-1</sup>	1µS. cm <sup>-1</sup>	1µS. cm <sup>-1</sup>	1µS. cm <sup>-1</sup>
Power Rating	3kW	6kW	6kW	1.8kW	3.0kW
Tap Water Pressure (min—max)*	70-560 kPa 10-80 lbf.in <sup>-2</sup>	70-560 kPa 10-80 lbf.in <sup>-2</sup>	70-560 kPa 10-80 lbf.in <sup>-2</sup>	70-560 kPa 10-80 lbf.in <sup>-2</sup>	70-560 kPa 10-80 lbf.in <sup>-2</sup>
Minimum Water Pressure for Pre-treated Flow Valve Option	N/A	N/A	N/A	15 kPa 2 lbf.in <sup>-2</sup>	15 kPa 2 lbf.in <sup>-2</sup>
Tap Water Flow (min)	1 litre. min <sup>-1</sup>	2 litres. min <sup>-1</sup>	2 litres. min <sup>-1</sup>	0.5 litres.min <sup>-1</sup>	1 litre.min <sup>-1</sup>
Dimensions (HxWxD)mm	750 x 300 x 380	750 x 490 x 380	750 x 490 x 380	790 x 260 x 325	790 x 260 x 325
Weight	25kg	29kg	29kg	15 kg	15 kg

Model NO.	AQUALAB-PRO-RESERVOIR	AQUALAB-ECO-RESERVOIR
Capacity	30 litre	30 litre
Dimensions (HxWxD)mm	750 x 300 x 380	790 x 260 x 325

# Ordering Information

## AquaLab Pro



Model NO.	Description
AQUALAB-PRO-4BD-4L-240V	4BD 4l/hr Double Distiller 240V 6kW
AQUALAB-PRO-4BD-4L-220V	4BD 4l/hr Double Distiller 220V 6kW
AQUALAB-PRO-8L-240V	8l/hr Single distiller, 240V 6kW
AQUALAB-PRO-8L-220V	8l/hr Single distiller, 220V 6kW
AQUALAB-PRO-4L-240V	4l/hr Single distiller, 240V 3kW
AQUALAB-PRO-4L-220V	4l/hr Single distiller, 220V 3kW
AQUALAB-PRO-RESERVOIR	Reservoir for the AquaLab Pro

## AquaLab Eco



Model NO.	Description
AQUALAB-ECO-4L-240V	4 l/hr, Single distiller, 240V 3kW
AQUALAB-ECO-4L-220V	4 l/hr, Single distiller , 220V 3kW
AQUALAB-ECO-4L-120V\$	4 l/hr, Single distiller , 120V 3kW
AQUALAB-ECO-2L-240V	2 l/hr, Single distiller , 240V 1.8 kW
AQUALAB-ECO-2L-220V	2 l/hr, Single distiller , 220V 1.8 kW
AQUALAB-ECO-2L-120V\$	2 l/hr, Single distiller 120V 1.8 kW \$
AQUALAB-ECO-RESERVOIR	Reservoir for the AquaLab Eco



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.