



AQUA-ON Series

Borosilicate Water Stills
Water Stills to suit all Laboratory Needs

- Fully automatic operations
- Quartz heaters
- Flow switch for boiler safety
- Gate valve to prevent water wastage
- Teflon drain cork for easy maintenance
- Flow control safety to monitor low pressure condenser flow
- Reservoir level sensor incorporated for automatic operation of the still
- Completely enclosed cabinet

AQUA-ON stills are manufactured either from high quality Borosilicate 3.3 Glass incorporating a high quality double coil condenser and boiler system or Semiconductor Grade Quartz for the double coil condenser and boiler system, combined with a silica glass sheathed heating element which provides a high quality pyrogen-free output with conductivity <math><0.4 \mu\text{S}/\text{cm}</math> for Quartz distillation models.

The unique condenser design ensures that the droplets of distilled water remains in contact with cooling coils for the longest possible time producing cold distilled water and preheated boiler input which increases efficiency of the unit. A flow sensing device will detect any reduction in the flow of cooling water below the required level and will turn off the still before it can overheat. As a fail-safe device there is an over temperature sensor mounted in the boiling chamber. The AQUA-ON is very easy and safe to assemble and maintain. Both the acrylic safety screen and the cabinet lids are removable giving unrivalled access to the glassware components. Screw threads are incorporated on all water connections so hoses can be fitted and removed easily and safely without risk of breakage.

CLEANING

Cleaning acid to the boiler can be poured through a funnel. A Rota flow stopcock allows simple draining of chemicals after cleaning. The boiler is flushed with clean water before restart. AQUA-ON stills can be removed easily to access glass parts and components internal connections to the condensers are made with screw threaded connectors.

AQUA-ON SINGLE DISTILLATION

CAT.NO:	AQUA-ON 2S	AQUA-ON 4S	AQUA-ON 8S
Output	2 litres/hr, single distilled	4 litres/hr, single distilled	8 litres/hr, single distilled
Boiler	Borosilicate	Borosilicate	Borosilicate
Condenser	Borosilicate	Borosilicate	Borosilicate
pH	5.5 - 6.0	5.5 - 6.0	5.5 - 6.0
Conductivity, $\mu\text{S}/\text{cm}^{-1}$	1.0-2.0	1.0-2.0	1.0-2.0
Temperature	30 - 40 °C	30 - 40 °C	30 - 40 °C
Pyrogen content *	Pyrogen free	Pyrogen free	Pyrogen free
Water supply	2 litre/min, 3 - 100psi, (20-700kPa)	2 litre/min, 3 - 100psi, (20-700kPa)	2 litre/min, 3 - 100psi, (20-700kPa)
Electricity supply	220 or 240V, 50-60Hz, single phase	220 or 240V, 50-60Hz, double phase	220 or 240V, 50-60Hz, double phase
Power requirement	1.5kW	3kW	6kW

AQUA-ON DOUBLE DISTILLATION

CAT.NO:	AQUA-ON 2D	AQUA-ON 4D	AQUA-ON 8D
Output	2 litres/hr, Double distilled	4 litres/hr, double distilled	8 litres/hr, double distilled
Boiler	Borosilicate	Borosilicate	Borosilicate
Condenser	Borosilicate	Borosilicate	Borosilicate
pH	6.0-7.0	6.0-7.0	
Conductivity, $\mu\text{S}/\text{cm}^{-1}$	0.8-1.0	0.8-1.0	0.8-1.0
Temperature	30 - 40 °C	30 - 40 °C	30 - 40 °C
Pyrogen content *	Pyrogen free	Pyrogen free	Pyrogen free
Water supply	2 litre/min x 2 Input, 3 - 100psi, (20-700kPa)	2 litre/min x 2 Input, 3 - 100psi, (20-700kPa)	2 litre/min x 2 Input, 3 - 100psi, (20-700kPa)
Electricity supply	220 or 240V, 50-60Hz, single phase	220 or 240V, 50-60Hz, double phase	220 or 240V, 50-60Hz, three phase
Power requirement	3kW	6kW	12kW

OPTIONAL ACCESSOIRES

1) Quartz Storage Vessel for collection of distillate. 2) MCB (prevents system from any short circuit). 3) Water Softener/DM Plant /Pre-filter/ 5 Stage RO System to reduce the scaling in the boiler. 4) Water Circulator to avoid wastage of cooling water



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