

Automatic Cabinet Water Still IDO Series



Intech presents IDO series of automatic cabinet water stills for trouble free distillation in the laboratory. The IDO provides ultra high purity water for demanding applications in the laboratory / tissue culture work. The IDO stills incorporate several safety devices for automatic operation for use in hospitals and labs. The still incorporates all electrical safety standards IEC 61010-1

IDO IN BOROSILICATE GLASS

- IDO 4S:** Made from PYREX Brand Borosilicate Glass is an ideal water still for high purity water producing 4 Ltrs of single distilled water.
- IDO 8S:** Made from PYREX Brand Borosilicate Glass Designed for laboratories using high volume production of high purity distilled water, produces 8 Ltrs of single distilled water.
- IDO 4D:** Made from PYREX Brand Borosilicate Glass for specialized high level research, biological and medical laboratories, capable of producing 4 Ltrs/hr high purity double distilled water.

IDO IN TRANSPARENT FUSED QUARTZ

- IDO 4SQ** Cabinet Stills made from Transparent Fused Quartz, which does not dissolve in water hence very low conductivity.
- IDO 8SQ** Quality of water is ideal for Bio-medical research and tissue culture work.
- IDO 4DQ**

* S-Single Distillation * D-Double Distillation
 * Q-Construction in Transparent Fused Quartz.

TECHNICAL SPECIFICATION

Models (Borosilicate Glass)

	IDO – 4S
Output (ltrs/hr)	4, Single distilled
pH	5.5 – 6.0
Conductivity $\mu\text{S}/\text{cm}^*$	1.0 – 2.0
Cooling water input for condenser	2 ltrs/min
Power	230V 50/60 Hz Single phase, 3 KW

IDO – 8S
8, Single distilled
5.5 – 6.0
1.0 – 2.0
2 ltrs/min x 2 Inputs
230V
50/60 Hz
Single phase, 6 KW
Or 2 Phase (as reqd)

IDO – 4D
4, Double distilled
6.0 – 7.0
0.8 – 1.0
2 ltrs/min x 2 Inputs
230V
50/60 Hz
Single phase, 6.5 KW
Or 2 Phase (as reqd)

Models (Quartz)

	IDO – 4SQ
Output (ltrs/hr)	4, Single distilled
Quality of distillate	Grade II
pH	5.0 – 8.0
Conductivity $\mu\text{S}/\text{cm}^*$	0.5 – 0.8
Cooling water input for condenser	2 ltrs/min
Power	230V 50/60 Hz Single phase, 3 KW

IDO – 8SQ
8, Single distilled
Grade II
5.0 – 8.0
0.5 – 0.8
2 ltrs/min x 2 Inputs
230V
50/60 Hz
Single phase, 6 KW
Or 2 Phase (as reqd)

IDO – 4DQ
4, Double distilled
Grade I – Distillate must be tested before use
Not specified
0.1- 0.5
2 ltrs/min x 2 Inputs
230V
50/60 Hz
Single phase, 6.5 KW
Or 2 Phase (as reqd)

* Output quality would depend on the quality of the boiler feed inlet water & other environmental factors.

Note on pH: Because of the difficulties associated with measurement of pH value of high purity water and the doubtful significance of the value obtained, limits for the pH values are not mentioned for Grade I and Grade 2 water.

Note on Distilled Output: All parameters have been tested under standard test laboratory conditions. Also, the output distillate is rated for 230V input. Incase of voltage drop, the output would decrease accordingly.

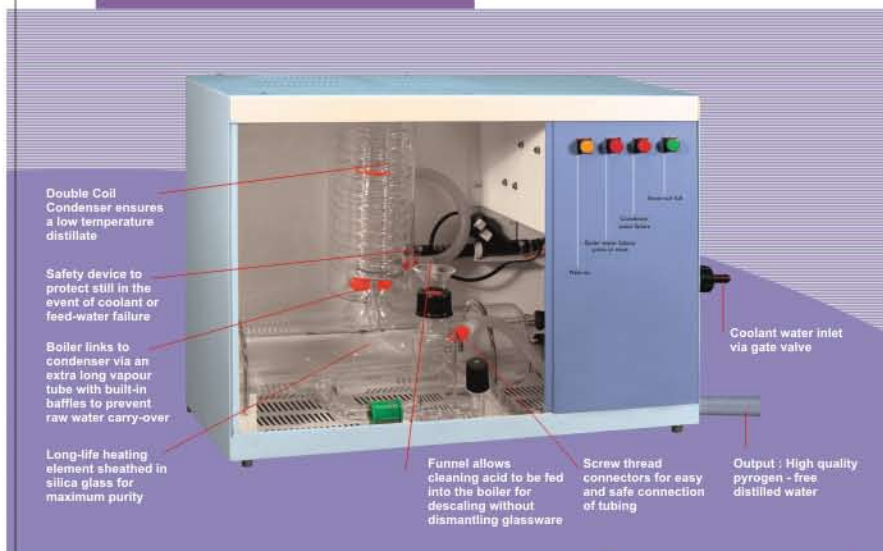
* Design & Specifications are subject to change without any prior notice.

Perfection in
Laboratory Science

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An ISO 9001:2000 Certified Company

**Automatic
 Cabinet Water Still
 IDO Series**



Double Coil Condenser ensures a low temperature distillate

Safety device to protect still in the event of coolant or feed-water failure

Boiler links to condenser via an extra long vapour tube with built-in baffles to prevent raw water carry-over

Long-life heating element sheathed in silica glass for maximum purity

Funnel allows cleaning acid to be fed into the boiler for descaling without dismantling glassware

Screw thread connectors for easy and safe connection of tubing

Coolant water inlet via gate valve

Output : High quality pyrogen-free distilled water