

Indian Scientific Lab Products

#18/102, 4th Cross, MD. Block, Malleswaram, Bangalore – 560 003

Tele: 080 - 6596 0545, Mob: 97390 47289

E-mail: indianscientific3@gmail.com

Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



Distillation Unit



External Safety Control Unit

All Quartz Single Distiller-Vertical Model 1 to 5 LPH with 2 Level External Safety Control Unit

Quartz Single Distiller is compact with Quartz Boiler and Quartz Condenser. Quartz can withstand very high temperature variations; it does not easily break with high temperature variations. Quartz being highly resistant, gives high purity distilled water.

External Dual Safety:

- 1) Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch is provided for safety of the condenser. The unit switches off when water supply to condenser is interrupted.

Features:

- Demountable condenser above the boiler makes it easy for removal and cleaning
- The ball & Socket are ground precisely for perfect matching & interchangeability.
- Boilers & condenser have larger boiling space resulting in better quality distillate.
- The distilled water is cool, around 20 - 40°C ensured by larger condensing area.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.5 – 0.8 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	2101	2103	2105	2106	2107
Output Capacity (Approx.)	1 ltrs/hr	2 ltrs/hr	3 ltrs/hr	4 ltrs/hr	5 ltrs/hr
Electrical Power Req'd.	1 kW	1.75 kW	2.4 kW	3 kW	4 kW
Cooling water Consumption (Approx.)	25 Ltr	35 Ltr	45 Ltr	50 Ltr	70 Ltr

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Safety Control Unit

All Quartz Double Distiller Vertical Model With 2 Level External Safety Control

Quartz Double Distiller is compact with Quartz Boiler and Quartz Condenser. Quartz can withstand very high temperature variations; it does not easily break with high temperature variations. Quartz being highly resistant, gives high purity distilled water.

External Dual Safety:

- 1) Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
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Features:

- Demountable condenser above the boiler makes it easy for removal and cleaning
- The ball & Socket are ground precisely for perfect matching & interchangeability.
- Boilers & condenser have larger boiling space resulting in better quality distillate.
- The distilled water is cool, around 20 - 40°C ensured by larger condensing area.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.1 – 0.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications

Product Code Number	2108	2109	2110	2111	2112
Output Capacity (Approx.)	1 ltrs/hr	1.5 ltrs/hr	2 ltrs/hr	2.5 ltrs/hr	3 ltrs/hr
Electrical Power Req'd.	1.75 KW	2.75 KW	3.5 KW	4.0 KW	5.0 KW
Cooling water Consumption (Approx.)	50 ltrs/hr	60 ltrs/hr	70 ltrs/hr	80 ltrs/hr	90 ltrs/hr

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Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

All Quartz Single Distiller Horizontal Model

With 3 Level In-built Safety Control

Features:

- Efficient Quartz Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Quartz condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.5 to 0.8 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	2113	2115	2117	2118	2119	2120	2121	2122
Output Capacity (Approx.)	1 lt/hr	2 lt/hr	3 lt/hr	4 lt/hr	5 lt/hr	6 lt/hr	8 lt/hr	10 lt/hr
Electrical Power Req'd.	1 kW	1.75 kW	2.4 kW	3 kW	4 kW	5 kW	7 kW	9 kW
Cooling water Consumption (Approx.)	25 Ltr	35 Ltr	45 Ltr	50 Ltr	70 Ltr	80 Ltr	100 Ltr	120 Ltr

Indian Scientific Lab Products

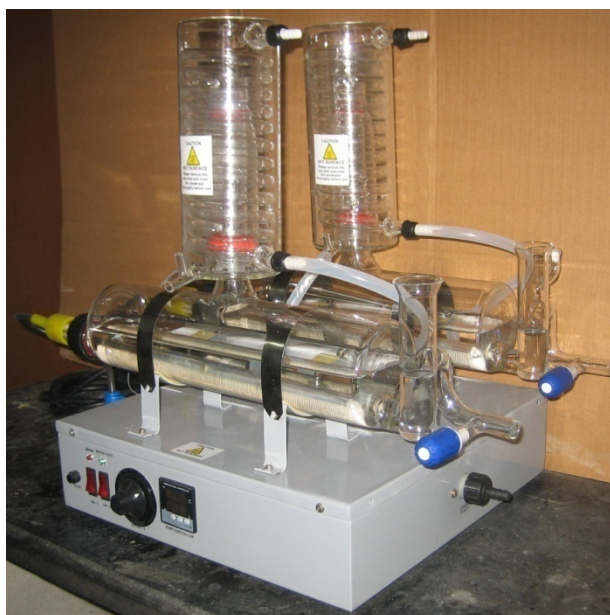
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Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

All Quartz Double Distiller Horizontal model 1 to 4 LPH with 3 Level In-built Safety Control

Features:

- Efficient Quartz Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Quartz condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.1 to 0.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	2123	2124	2125	2126	2127	2128
Output Capacity (Approx.)	1 lt/hr	1.5 lt/hr	2 lt/hr	2.5 lt/hr	3 lt/hr	4 lt/hr
Electrical Power Req'd.	1.75 kW	2.75 kW	3.5 kW	4 kW	5 kW	6 kW
Cooling water Consumption (Approx.)	50 Ltr	60 Ltr	70 Ltr	80 Ltr	90 Ltr	100 Ltr

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Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

All Quartz Double Distiller Horizontal model 5 to 10 LPH with 3 Level In-built Safety Control

Features:

- Efficient Quartz Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Quartz condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.1 to 0.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	2129	2130	2131	2132
Output Capacity (Approx.)	5 lt/hr	6 lt/hr	8 lt/hr	10 lt/hr
Electrical Power Req'd.	8 kW	10 Kw	12 kW	16 kW
Cooling water Consumption (Approx.)	140 Ltr	160 Ltr	200 Ltr	240 Ltr

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All Quartz Single Distiller Automatic Cabinet Model with 3 Level In-built Safety Control

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- **Reservoir Level Sensor** – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Quartz Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Quartz Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.5 to 0.8 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications

Product Code Number	2133	2134	2135
Output Capacity (Approx.)	2 lt/hr	4 lt/hr	8 lt/hr
Electrical Power Reqd.	1.75 kW	3 kW	7 kW
Cooling water Consumption (Approx.)	35 Ltr	50 Ltr	100 Ltr

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All Quartz Double Distiller Automatic Cabinet Model with 3 Level In-built Safety Control

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- **Reservoir Level Sensor** – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Quartz Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Quartz Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.1 to 0.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications

Product Code Number	2136	2137	2138
Output Capacity (Approx.)	2 lt/hr	4 lt/hr	8 lt/hr
Electrical Power Req'd.	3.5 kW	6 kW	8 kW
Cooling water Consumption (Approx.)	70 Ltr	100 Ltr	140 Ltr

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All Quartz Sub-Boiling Distiller - 0.2, 0.5 or 1 Ltr per hour with Micro Processor Based Temperature Controller

Very useful and effective equipment for the production of pure and spectroscopic grade acids and solvents for use in research and analytical work.

The Sub Boiling Distillation Assembly is made from electronic grade transparent fused quartz. Every possible contact of liquid has been avoided with the ground joint connections. The method adopted for distillation is surface evaporation. The evaporation takes place without boiling by the action of infrared radiators. Evaporation is on the surface and vapours are condensed by a cold finger. During this process of evaporation the liquid is perfectly calm. The distillation rate could be controlled through a suitable Auto Transformer/Variable Transformer (optional, at extra cost)

Available in 3 models from 200 ml/hr, 500 ml/hr, and 1000 ml/hr. The yield has been calculated for water.

Specifications:

The following distillation rates are obtained for various acids once steady evaporation has been achieved.

Distillation Rate (gms/min)

W (Watts)	H ₂ O	HNO ₃	HCL	H ₂ SO ₄
200	1.1	1.2	0.8	-
400	2.8	3.3	2.9	-
600	4.4	5.3	4.9	0.3
800	5.8	7.5	7.1	0.8

Specifications - Sub Boiling Distiller

Product Code Number	2139	2140	2141
Output Capacity (Approx.)	0.2 Ltrs/hr	0.5 Ltrs/hr	1 Ltrs/hr

Specifications - Micro Processor Based Temperature Controller

Product	Code Number
Micro Processor Based Temperature Controller – I for 0.2 LPH & 0.5 LPH	2142
Micro Processor Based Temperature Controller – II for 1 LPH	2143

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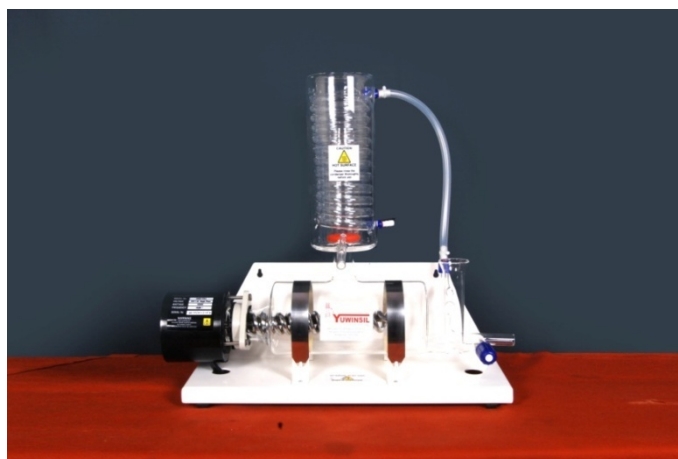
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All Glass Basic Still with Metal Heater

With Single Safety Control

All Glass Basic Still is designed for continuous operation. It is easy to use & clean, Reliable and Low Cost. It produces 4 Ltrs/hr distilled water, using 3 KW Chromium Plated Copper Heater housed in a horizontal Borosilicate Glass Boiler.

Built-in Single Safety:

3 KW Chromium plated copper heater is fitted with a Thermostat which shuts off Power to the Distiller in case of water supply failure to the Boiler.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Copper heater and screw thread connectors.
- The Copper removable heater helps in easy cleaning of the boiler. The scaling formed on Boiler can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with Silicon Rubber 'O' Ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.1 – 0.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

	Single Distiller	Double Distiller
Product Code Number	3211	3212
Output Capacity (Approx.)	4 Ltrs per Hour	4 Ltrs per Hour
Electrical Power Req'd.	3 kW	6 kW
Cooling water Consumption (Approx.)	50 Ltr per Hour	100 Ltr per Hour

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1st Jan 2018



Change
Picture

All Glass Basic Still with Quartz Heater With NO Safety Control

All Glass Basic Still with Quartz Heater is designed for operation with continuous monitoring since it has no Safety feature. It produces 4 Ltrs/hr distilled water, using 3 KW Quartz Sheathed Heater housed in a horizontal Borosilicate Glass Boiler.

Safety Feature: NIL

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed on Quartz Heater and Glass Boiler can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with Silicon Rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity:	1.0 to 2.0 μ S/cm.
Distilled Water Quality:	Pyrogen Free.

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

	Single Distiller	Double Distiller
Product Code Number	3313	3314
Output Capacity (Approx.)	4 Ltrs per Hour	4 Ltrs per Hour
Electrical Power Req'd.	3 kW	6 kW
Cooling water Consumption (Approx.)	50 Ltr per Hour	100 Ltr per Hour

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All Glass Single Distiller Borozee (ECO) With Single Level In-built Safety Control

BOROZEE – (ECO) Single Distillation units give high quality Distilled water with an output of 2 to 8 ltrs/hr

Built-in Single Safety:

Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	1 to 1.5 $\mu\text{S}/\text{cm}$
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3215	3216	3217	3218	3219
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour	8 ltr/hour
Electrical Power Req'd.	1.75 kW	3 kW	4 kW	5 kW	7 kW
Cooling water Consumption per hour (Approx.)	35 Ltr	50 Ltr	70 Ltr	80 Ltr	100 Ltr

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All Glass Double Distiller - Borozee (ECO)

With single In-built Safety Control

BOROZEE – (ECO) Double Distillation units give high quality Distilled water with an output of 2 to 8 ltrs/hr

Built-in Single Safety:

Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.8 to 1. μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3220	3221	3222	3223	3224
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour	8 ltr/hour
Electrical Power Req'd.	3.5 kW	6 kW	8 kW	10 kW	14 kW
Cooling water Consumption per hour (Approx.)	70 Ltr	100 Ltr	140 Ltr	160 Ltr	200 Ltr

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Change
Picture

All Glass Single Distiller – Borozee (ECO XL)

With 2 Level In-built Safety Control

BOROZEE – (ECO-XL) Single Distillation units give high quality Distilled water with an output of 2 to 8 ltrs/hr

Built-in Dual Safety:

- 1) Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch is provided for safety of the condenser. The unit switches off when water supply to condenser is interrupted.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45°C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.8 to 1 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3225	3226	3227	3228	3229
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour	8 ltr/hour
Electrical Power Req'd.	1.75 kW	3 kW	4 kW	5 kW	7 kW
Cooling water Consumption per hour (Approx.)	35 Ltr	50 Ltr	70 Ltr	80 Ltr	100 Ltr

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All Glass Double Distiller (Borozee ECO - XL) With 2 Level In-built Safety Control

BOROZEE – (ECO-XL) Double Distillation units give high quality Distilled water with an output of 2 to 8 ltrs/hr

Built-in Dual Safety:

- 1) Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch is provided for safety of the condenser. The unit switches off when water supply to condenser is interrupted.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45°C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	0.1 – 0.5 $\mu\text{S/cm}$
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Product Code Number	3230	3231	3232	3233	3234
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour	8 ltr/hour
Electrical Power Req'd.	3.5 kW	6 kW	8 kW	10 kW	14 kW
Cooling water Consumption per hour (Approx.)	70 Ltr	100 Ltr	140 Ltr	160 Ltr	200 Ltr

Indian Scientific Lab Products

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Tele: 080 - 6596 0545, Mob: 97390 47289

E-mail: indianscientific3@gmail.com

Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



All Glass Single Distiller Borostil With 3 Level In-built Safety Control

BOROSTIL Single Distillation units give high quality Distilled water with an output of 2 to 6 ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45°C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	1.0 to 2.0 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Product Code Number	3235	3236	3237	3238
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour
Electrical Power Req'd.	1.75 kW	3 kW	4 kW	5 kW
Cooling water Consumption per hour (Approx.)	35 Ltr	50 Ltr	70 Ltr	80 Ltr

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1st Jan 2018



All Glass Single Distiller - Borostil 8 LPH With 2 Heaters and 2 Condensers on 1 Boiler

BOROSTIL Single Distillation units give high quality Distilled water with an output of 8 ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	1.0 to 2.0 $\mu\text{S/cm}$
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3239
Output Capacity (Approx.)	8 ltr/hour
Electrical Power Reqd.	7 kW
Cooling water Consumption per hour (Approx.)	100 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



All Glass Double Distiller - Borostil

With 3 Level In-built Safety Control 2 to 6 LPH

BOROSTIL Double Distillation units give high quality Distilled water with an output of 2 to 6 ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45°C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.8 to 1.0 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3240	3241	3242	3243
Output Capacity (Approx.)	2 ltr/hour	4 ltr/hour	5 ltr/hour	6 ltr/hour
Electrical Power Req'd.	3.5 kW	6 kW	8 kW	10 kW
Cooling water Consumption per hour (Approx.)	70 Ltr	100 Ltr	140 Ltr	160 Ltr

Indian Scientific Lab Products

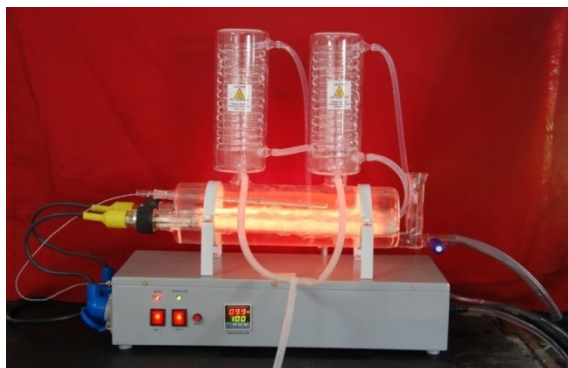
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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



All Glass Double Distiller Borostil 8 LPH **2 Heaters and 2 Condensers on each Boiler** **With 3 Level In-built Safety Control**

BOROSTIL Double Distillation units give high quality Distilled water with an output of 8 ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45°C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.8 to 1.0 $\mu\text{S}/\text{cm}$
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3244
Output Capacity (Approx.)	8 ltr/hour
Electrical Power Req'd.	14 kW
Cooling water Consumption per hour (Approx.)	200 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

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All Glass Single Distiller Automatic Cabinet Model With 3 Level In-built Safety Control

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- **Reservoir Level Sensor** – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	1.0 to 2.0 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3245	3246	3247
Output Capacity (Approx.)	2 ltr	4 ltr	8 ltr
Electrical Power Req'd.	1.75 kW	3 kW	7 kW
Cooling water Consumption (Approx.)	35 Ltr	50 Ltr	100 Ltr

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Manufacturer of Quartz & Borosilicate Water Distillation units and Distributor other Lab needs

1st Jan 2018



All Glass Double Distiller Automatic Cabinet Model

With 3 Level In-built Safety Control Plus Automatic

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Reservoir Level Sensor – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Borosilicate Condenser & Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.8 to 1.0 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	3248	3249	3250
Output Capacity (Approx.)	2 ltr	4 ltr	8 ltr
Electrical Power Req'd.	3.5 kW	6 kW	14 kW
Cooling water Consumption (Approx.)	70 Ltr	100 Ltr	200 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



Distillation Unit



External Safety Control unit

Composite Single Distiller Vertical Model with Quartz Boiler & Borosilicate Glass Condenser with 2 Level External Safety Control Unit

Composite Single Distiller Vertical Model with Quartz Boiler & Glass Condenser is compact can withstand very high temperature variations; Quartz does not easily break with high temperature variations.

External Dual Safety:

- 1) Pressure Temperature Switch (PTS) is provided for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch is provided for safety of the condenser. The unit switches off when water supply to condenser is interrupted.

Features:

- Demountable condenser above the boiler makes it easy for removal and cleaning
- The ball & Socket are ground precisely for perfect matching & interchangeability.
- Boilers & condenser have larger boiling space resulting in better quality distillate.
- The distilled water is cool, around 20 - 40°C ensured by larger condensing area.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity	1.0 – 1.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions. Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	4321	4323	4325	4326	4327
Output Capacity (Approx.)	1 ltr	2 ltr	3 ltr	4 ltr	5 ltr
Electrical Power Req'd.	1 kW	1.75 kW	2.4 kW	3 kW	4 kW
Cooling water Consumption (Approx.)	25 Ltr	35 Ltr	45 LTR	50 Ltr	70 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



Composite Single Distiller Horizontal model with Quartz Boiler & Glass Condenser

With 3 Level In-built Safety Control

Composite Single Distillation units give high quality Distilled water with an output of 1 to 10 Ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Quartz boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	1.0 to 1.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	4328	4330	4332	4333	4334	4335	4336	4337
Output Capacity (Approx.)	1 ltr	2 ltr	3 ltr	4 ltr	5 ltr	6 ltr	8 ltr	10 ltr
Electrical Power Req'd.	1 kW	1.75 kW	2.4 kW	3 kW	4 kW	5 kW	7 kW	9 kW
Cooling water Consumption (Approx.)	25 Ltr	35 Ltr	45 Ltr	50 Ltr	70 Ltr	80 Ltr	100 Ltr	120 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

1st Jan 2018



Composite Double Distiller Horizontal model with Quartz Boiler & Glass Condenser 1 to 4 Ltrs per Hour With 3 Level In-built Safety Control

Composite Double Distiller give high quality Distilled water with an output of 1 to 4 Ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Quartz boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.5 to 0.8 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications

Product Code Number	4338	4340	4342	4343
Output Capacity (Approx.)	1 ltr	2 ltr	3 ltr	4 ltr
Electrical Power Req'd.	1.75 kW	3.5 kW	5 kW	6 kW
Cooling water Consumption (Approx.)	50 Ltr	70 Ltr	90 Ltr	100 Ltr

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Composite Double Distiller Horizontal model with Quartz Boiler & Glass Condenser 5 to 10 LPH

With 3 Level In-built Safety Control

Composite Double Distillation units give high quality Distilled water with an output of 5 to 10 ltrs/hr

Built-in Triple Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Efficient Borosilicate Condenser & Quartz boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.5 to 1.0 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	4344	4345	4346	4347
Output Capacity (Approx.)	5 ltr	6 ltr	8 ltr	10 ltr
Electrical Power Req'd.	8 kW	10 Kw	12 kW	16 kW
Cooling water Consumption (Approx.)	140 Ltr	160 Ltr	200 Ltr	240 Ltr

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Manufacturer of Water Distillation units in Quartz & Borosilicate Glass and Dealer of all other Lab needs

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Composite Single Distiller Automatic Cabinet Model with Quartz Boiler & Glass Condenser with 3 Level In-built Safety Control

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Reservoir Level Sensor – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Borosilicate Condenser with Quartz Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	1.0 to 1.5 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	4348	4349	4350
Output Capacity (Approx.)	2 ltr	4 ltr	8 ltr
Electrical Power Req'd.	1.75 kW	3 kW	7 kW
Cooling water Consumption (Approx.)	35 Ltr	50 Ltr	100 Ltr

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Composite Double Distiller Automatic Cabinet Model with Quartz Boiler & Glass Condenser with 3 Level In-built Safety Control

Built-in Safety:

- 1) Digital Temperature Controller (DTC) for safety of the boiler. The unit switches off when water level in the boiler falls below the heater.
- 2) Flow Switch for safety of the condenser. The unit switches off when water supply to condenser is interrupted.
- 3) Gate Valve conserves cooling water wastage by stopping water supply to condenser when unit shuts off due to Power failure.

Features:

- Reservoir Level Sensor – is provided for automatic operation of the unit. When the reservoir is full the unit switches off, the unit switches on when distilled water is drawn from the reservoir.
- Efficient Borosilicate Condenser with Quartz Boiler fitted with a removable Quartz heater and screw thread connectors.
- The quartz removable heater helps in easy cleaning of the boiler. The scaling formed can be cleaned easily.
- Boiler is provided with Teflon Screw Cock for easy draining of water in the boiler while cleaning.
- The distilled water is cool, around 25 - 45° C ensured by an efficient Borosilicate Condenser.
- All joints in the unit are made via Screw thread connectors with silicon rubber 'O' ring, which helps in easy installation and avoids glassware breakage during assembly.
- The stand is powder coated for rust free operation and lustrous appearance.

DISTILLATE PROPERTIES

Conductivity (using raw water)	0.5 to 0.8 μ S/cm
Distillate Quality	Pyrogen Free

The results mentioned above are obtained under standard laboratory conditions.

Treated water / soft water is recommended to prevent scaling in the boiler and to improve the quality of distilled water.

Specifications:

Product Code Number	4351	4352	4353
Output Capacity (Approx.)	2 ltr	4 ltr	8 ltr
Electrical Power Req'd.	3.5 kW	6 kW	12 kW
Cooling water Consumption (Approx.)	70 Ltr	100 Ltr	200 Ltr