DragLab

Laboratory

Water Distillation

DS 2000

DS 4000

DS 8000

DS 8008

DS 8012

DS 8025

Connect & Go



Laboratory Water Still DS 2000

The DragLab Water Still is a professional, fully automatic water distiller constructed from high-quality stainless steel. It is designed to produce 2 L/h of high-purity distilled water with minimal personnel supervision.



Effortless Water Purity With DragLab Distillation Solutions

DragLab Water Distillation Units are fully automatic devices designed to produce high-purity distilled water from raw water, requiring only a connection to a suitable water supply and a power source. The distillation process involves heating the raw water to generate steam and then condensing the steam back into liquid water. This process effectively separates the water from impurities with higher boiling points. The resulting condensate is distilled water with a purity of approximately 99.5%, removing salts, organic substances, microorganisms, pyrogens, and bacteria.

DragLab Water Distillation Units require minimal routine maintenance, primarily involving regular cleaning. When carbon dioxide from the air dissolves in distilled water, it can form carbonic acid, causing the pH to become slightly acidic, typically in the range of 5.0 to 5.6. Distilled water should be used promptly or stored in airtight conditions to help maintain its purity.

Application:

- Biotechnology, cell culture and media preparation
- Testing, analysis and research laboratories
- Microbiology and bacteriology sample preparation
- Food and beverage production
- Sterilization, cleaning and medical equipment.
- Cosmetics, skincare products production.
- Electronics and automotive industries
- Pharmaceutical manufacturing and drug formulation.

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Quality and Expertise

ISO 9001:2015

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

CE

Laboratory Water Still DS 2000

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designed to produce 2 L/h of high-purity distillate with minimal personnel supervision.



Features

Distillation Capacity
Produces2L/hofdistilled water.

Purity
Produces high-purity distilled water with a conductivity of approximately2.3 µS/cm at 25 °C.

Water Quality
Producespyrogen-free, low-gas, and bacteria-free distilled water.

Protection
Automaticthermostatic low-water cut-off protects the heating element inthe event of insufficient water.

Ope r at io n
Automaticwater switching enables continuous operation.

Maintenance
Theeasilyaccessible evaporator tank facilitates cleaning and routine maintenance.

Material
All water-contactcomponents are made of stainless steel (material no. EN 1.4301).

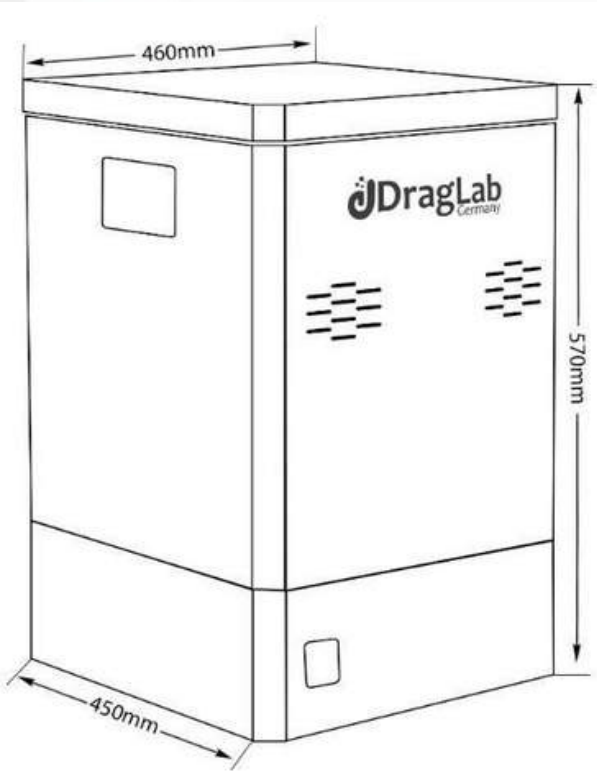
Heating Element
Theheatingelement is made of stainless steel (material no. EN 1.4301).

Housing
Galvanizedsteel housing with electrostatic powder coating.

Installation
Suitableforboth bench-top and wall mounting.

Accessories
Allpartsandaccessories required for installation are included.

Dimensions:



Laboratory Water Still DS 2000

Specifications:

Capacity	
Capacity	2 L/h
Water Consumption	40 L/h
Conductivity	Approximately 2.3 µS/cm at 25 °C
Control technology	
Automatic Protection	Automatic thermostatic power cut-off protects the heating element in case of low water level.
Automatic Power Activation	Automatic power activation when the water level reaches the safety line in the evaporator tank, protecting the heating element during operation.
Water supply	Built-in solenoid valve connection for the evaporator and condenser, with automatic switching on/off based on the water level in the evaporator tank.
Standard equipment	
Internal Material - Evaporator Tank	The evaporator tank is made of stainless steel (material no. EN 1.4301).
Internal Material - Condenser	The condenser is made of stainless steel (material no. EN 1.4876).
Internal Material - Heating Element	The heating element is made of stainless steel (material no. EN 1.4876).
External material	The housing is made of galvanized steel with an electrostatic powder coating.
Degassing system	The unit includes a top vent for effective degassing, supporting the production of pyrogen-free, low-gas, and bacteria-free water.
Interior Access	The evaporator is easily accessible for cleaning and maintenance, facilitating efficient cleaning procedures.
Installation	All necessary parts and accessories for installation are included.
Distillate Withdrawal	Distilled water can be continuously withdrawn by opening the drain tap.
Main switch	Main power switch located on the front of the unit.
Led light	Two LED indicators are located on the front of the unit: a green LED indicating standby operation and a red LED indicating faults.
Mounting	Suitable for both bench-top and wall mounting.
Safety	
Water Level Protection	Low-water-level sensor with automatic power cut-off to protect the heating element.
Heating Protection	Overheating cut-off
Fault Indicator	Red LED alarm indicator for faults and errors.
Degassing	Top vent for degassing, supporting the production of pyrogen-free, low-gas, and bacteria-free water.
Power connection	Power cable with a German Schuko-type plug.

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Specifications:

Connections	
Water inlet	The cooling water inlet is located on the right-hand side of the unit and has a diameter of 3/4 inch (Ø 19.05 mm).
Water pressure range	2 to 10 bar.
Water outlet	The cooling water outlet is located on the right-hand side of the unit, with a diameter of 2/5 inch (inner Ø 10.16 mm).
Drainage tap	The drainage tap is located on the right-hand side of the unit, with a diameter of 2/5 inch (inner Ø 10.16 mm).
Distillate water	Distillate water can be continuously withdrawn by opening the drain tap.
Power Connection	The main connection cable on the left-hand side of the unit
Electrical data	
Voltage	230 V, 50/60 Hz
Power	2000 W
Shipping information	
Customs tariff number	8419 4090
Packaging Dimension	53 W × 50 D × 75 H cm
Net weight	22 Kg
Gross weight carton	27 Kg

Order Information:

Description	Model	Article number
Water still 2L/h, 230V/50-60Hz	DS 2000	5022.000

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