DragLab

Laboratory

Water Distillation

DS 2000

DS 4000

DS 8000

DS 8008

DS 8012

DS 8025

Connect & Go



Laboratory Water Still DS 8012

The DragLab Water Still is a professional, fully automatic water distiller with a production capacity of **12 L/h** and an integrated **24 L storage tank**. Constructed from high-quality stainless steel, it is designed to produce high-purity distillate automatically, eliminating the need for continuous personnel supervision.



Effortless Water Purity with DragLab Distillation Solutions

DragLab Distillation Units are the most effective and reliable devices for producing pure water, requiring only a connection to raw water and a power source. This process invol ves transforming raw water (tap water) into steam and then back into liquid, effectively separating water from impurities with higher boiling points. The resulting steam, once condensed, produces distilled water with a purity of approximately 99.5%, removing salts, organic substances, microorganisms, pyrogens, and bacteria. DragLab water distillation units require minimal maintenance needing only regular cleaning. When carbon dioxide from the air dissolves in distilled water, its pH becomes slightly acidic, 5 to 5.6. Distilled water should be used promptly or stored in airtight conditions to maintain 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 9001:2016, 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.

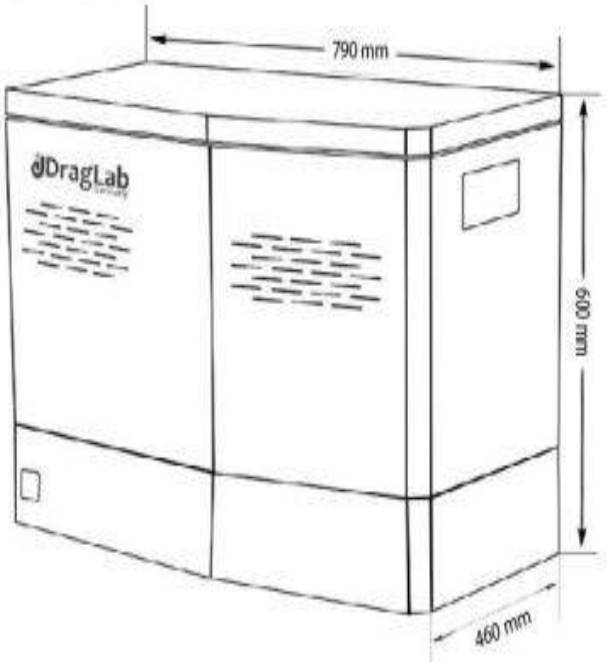
CE

Laboratory Water Still DS 8012

The DragLab Water Still is a professional, fully automatic water distiller with a production capacity of **12 L/h** and an integrated **24 L storage tank**. Constructed from high-quality stainless steel, it is designed to produce high-purity distill automatically, eliminating the need for continuous personnel supervision.



Dimensions:



Features:

Distillation Capacity:
Produces 12 L/h of distilled water.

Storage Tank:
Integrated 24 L storagetank.

Purity:
Produces high-purity distilled water with a conductivity of approximately 2.3 µS/cm at 25 °C.

Water Quality:
Produces pyrogen-free, low-gas, and bacteria-free water.

Protection:
Automatic thermostaticlow-water cut-off protects the heating element incase of insufficient water.

Operation:
Automatic water switching enables continuous operation.

Energy Efficiency:
Automatic distillation process designed to reduce energy and water co nsu m ptio n.

Display:
The display indicates the water level in the storage tank, heater operating status, water supply status, and error status, and provides user instructions.

Maintenance:
The easily accessible evaporator tank facilitates cleaning and routine maintenance.

Material:
Allwater-contactcomponentsaremadeofstainlesssteel(materialno. EN 1.4301).

Heating Element:
The heating element is made of stainless steel (material no. EN 1.4301).

Housing:
Galvanized steel housing with electrostatic powder coating.

Installation:
Suitable for both bench and wall mounting.

Accessories:

All parts and accessories required for installation are included.

Laboratory Water Still DS 8012

Specifications:

Capacity	
Production Capacity	12 L/h
Storage Tank	Integrated 24 L storage tank.
Water Consumption	135 L/h
Conductivity	Approximately 2.3 µS/cm at 25 °C
Control technology	
Fully Automatic - Low-Water Protection	Automatic thermostatic power cut-off protects the heating element in case of low water level.
Fully Automatic - Power Activation	Automatic power activation when the water level reaches the safety line in the evaporator tank to protect the heating element.
Fully Automatic - Storage Tank Refilling	Automatic refilling of the storage tank after distillate withdrawal, electronically controlled.
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 and Storage Tanks	The evaporator and storage tanks are 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, ensuring pyrogen-free, low-gas, and bacteria-free water.
Interior Access	The evaporator and storage tanks are 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 withdrawn continuously or in push mode using the front tap.
Main switch	The main power switch is located on the front of the unit.
Screen	The device features a screen indicating the water level in the storage tank, heater operating status, water supply status, and error status, and providing user instructions.
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
Screen	The screen displays start-up tests for the heating element and provides visual alarms for faults and errors.
Degassing	Top vent for degassing, ensuring pyrogen-free, low-gas, and bacteria-free water.
Power connection	Power cable with a German Schuko-type plug.

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Specifications:

Connection	
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	2-10 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 Withdrawal	Distilled water can be withdrawn continuously or in push mode using the front tap.
Power Connection	The main power connection cable is located on the left-hand side of the unit.
Electrical data	
Voltage	
Power	380 V, 50/60 Hz
Shipping information	9000 W
Customs tariff number	
Packaging Dimension	8419 4090
Net weight	101 W × 57 D × 83 H cm
Gross weight carton	50 Kg
	56 Kg

Order Information:

Description	Model	Article number
Water Still - Capacity: 12 L/H, 24 L storage Tank -380V, 50/60Hz	DS 8012	5012.000

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