



# WATER STILL CATALOGUE

# DRAGLAB...Water Distillation

Water distillation is one of the methods of the water purification process that uses a heat source to vaporize water and separate it from the contaminants within, after that condensate the vaporized water to distilled water.

Water also can be purified through another process like ion exchange, reverse osmosis, ozone application, activated carbon application, etc.

The overall process depends on the difference in the boiling point between water and other minerals and contaminants. In the early 19th century, the basics of modern techniques, including pre-heating and reflux, were developed until today to become with high quality, cost-saving, and less environmental contamination devices.

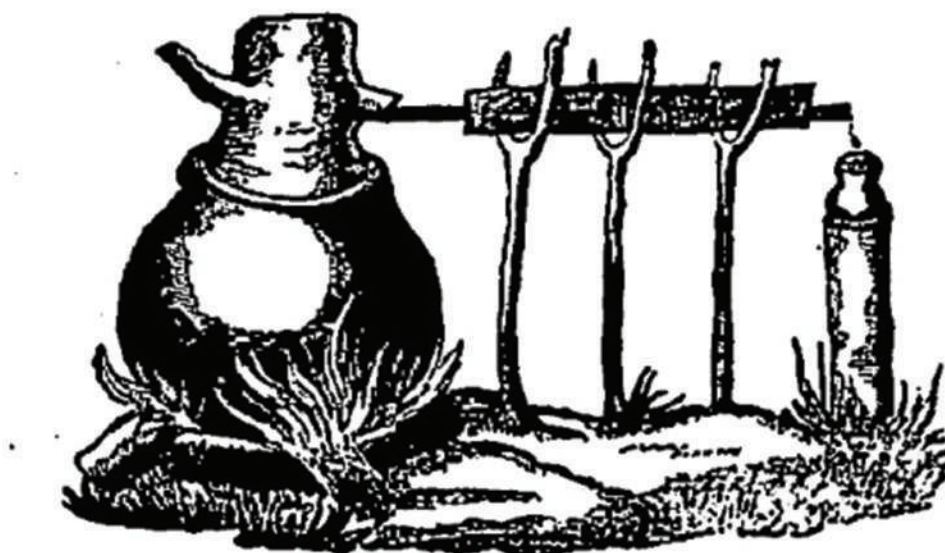
Water still is essential for laboratory applications because Water contains some chemical contents such as different salts. These contents may change the results of some tests, experiments or applications compared to the distilled water produced by water still device do not affect it

The water distillation apparatus is one of the laboratory equipment that must be present in the laboratories in many fields like industry, pharmaceutical processing, and food processing.

DRAGLAB water still device designed and manufactured to produce high quality distilled water with low-gas, bacteria and pyrogen-free and other features, in addition to the competitive price, was not ignored.

Distillation water volume depends on power capacity and water flow rate. DRAGLAB Technologies designed its water distillation apparatus considering energy saving as well as minimize water flow rate with different models depending on the capacity of distilled water and water storage tank for water stilled.

Basic features and technical specifications are presented at the following pages.





### **Exceptional Heat resistance stainless steel**

DRAG LAB water distiller's made of AISI 304 high quality stainless steel produced accordance ASTM standards for all parts that contact water and steam with excellent corrosion resistance, rust-free and heat resistance. Housing made of electrostatic powder coated galvanized steel. Water stills are energy efficient, reliable, maintenance-free, easy to operate and service-friendly



### **Automatic control system**

Professional fully automatic water distiller with An electronic level switch switches the still off when the storage tank is full and restarts it automatically when distilled water is withdrawn. With flow regulator to avoid excessive water consumption. Heaters protected against running without water. automatic sut off for High water level, insufficient water, heater failure, half full storage tank, full storage tank. Suitable for bench top use and wall mounting

## **FIELD OF APPLICATIONS**

DRAGLAB water distillers are required in research and development for bacteriological and medical sample preparation for the preparation of cell and tissue cultures as well as for the production of reagents and ointments. In addition, distillate is used for cleaning and sterilization processes, for buffer solutions as well as for microbiological and analytical applications.

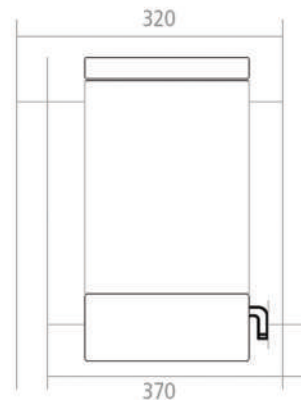
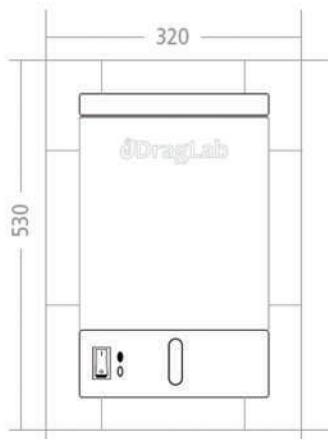
# WATER STILL DS 4000



## Important Features

- Durable, reliable and Low cost
- High purity distilled water - conductivity approx 2,5  $\mu\text{S}/\text{cm}$
- Automatic water switching and power cut-off
- Electronic water level switch
- Automatic thermostatic cut-off safety system
- Heating element made of high quality stainless steel
- All material contact water made of stainless steel AISI 304
- Easily accessed evaporator tank for effortless cleaning and maintenance
- The unit is suitable for both bench and wall mounting.
- All parts and tools for installation included.
- CE Certificate
- 2-years warranty

## Dimensions



## Technical Specifications

### Capacity

Capacity	4 litter / hour
Consumption	40 litter / hour
Conductivity	approximately 2,5 $\mu\text{S}/\text{cm}$

### Control technology

<b>Fully Automatic</b>	Automatic power cut-off, in case of low water, to protect the heating element. Automatic start when the water at sufficient level in the evaporator. Automatic thermostatic cut-off.
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# WATER STILL DS 4000

<b>Water supply</b>	Solenoid valve built-in connection for evaporator and condenser Automatic solenoid valve switching on in case of low water level on evaporator tank Automatic solenoid valve switching off in case of high water level on evaporator tank
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## Standard equipment

<b>Internal material</b>	Tank made of stainless steel material no. EN 1.4301 Condenser (cooler) made of stainless steel, material no. EN 1.4301 Heating element made of stainless steel, material no. EN 1.4876
<b>External material</b>	Housing material made of galvanized steel, electrostatically powder coated
<b>Degassing system</b>	Degassing system through a vent in the top of the unit
<b>Accessing interior</b>	Easily accessed evaporator for cleaning and maintenance
<b>Installation</b>	All parts and tools for installation included
<b>distillate water withdrawal</b>	The drain tube on the front of the unit
<b>Main switch</b>	Main switch button on the front of the unit
<b>Led light</b>	led lights on the front of the unit, to indicate that heating element is switching on
<b>Mounting</b>	Suitable for bench and wall mounting

## Safety

<b>Water</b>	Low water cut-off to protect heating element
<b>Heating</b>	Overheating cut-off
<b>Led light</b>	Led light alarm
<b>Degassing</b>	low-gas, bacteria and pyrogen free
<b>Power connection</b>	power cable with German shock-proof type (Schuko) plug

## Connection

<b>Water inlet</b>	Cooling water inlet on the right-hand side of the unit Water inlet diameter 3/4 inch (Ø 19.05 mm),
<b>Water pressure</b>	From 2 bar to max 10 bar
<b>Water outlet</b>	Cooling water outlet on the right-hand side of the unit Water outlet diameter 2/5 inch (inner Ø 10 mm)
<b>Distillate water</b>	Distillate withdrawal through drain tube on the front of the unit
<b>Power</b>	Main connection cable on the left-hand side of the unit.

## Electrical data

<b>Voltage</b>	230 V / 50.. 60Hz
<b>Watt</b>	3000 watt

# WATER STILL DS 4000

## Shipping information

Customs tariff number	8419 4090
Packaging Dimension	53 X 47 X 68 CM
Net weight	10 Kg
Gross weight carton	15 Kg

## Order information

Description	Model	Article number
Water still 4L/h, 220V/50-60Hz	DS 4000	5042.000

\* Other voltages available on request

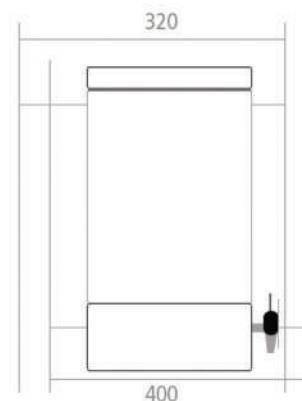
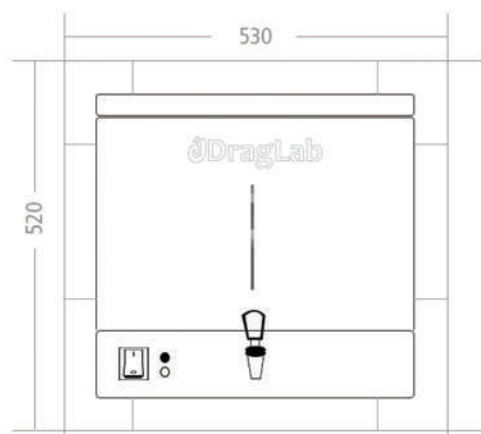
# WATER STILL DS 8000



## Important Features

- Durable, reliable and Low cost
- High purity distilled water - conductivity approx 2,5  $\mu\text{S}/\text{cm}$
- Built-in 8 litter storage tank
- Automatic water switching and power cut-off
- Electronic water level switch
- Automatic thermostatic cut-off safety system
- Heating element made of high quality stainless steel
- All material contact water made of stainless steel AISI 304
- Easily accessed evaporator & storage tank for effortless cleaning and maintenance
- The unit is suitable for both bench and wall mounting.
- All parts and tools for installation included.
- CE Certificate
- 2-years warranty

## Dimensions



## Technical Specifications

### Capacity

Capacity	4 litter / hour
Storage Tank	8 Litter storage tank built-in
Consumption	40 litter / hour
Conductivity	approximately 2,5 $\mu\text{S}/\text{cm}$

### Control technology

<b>Fully Automatic</b>	Automatic power cut-off, in case of low water, to protect the heating element Automatic start when the water at sufficient level in the evaporator tank Automatic thermostatic cut-off
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# WATER STILL DS 8000

<b>Electronic level switch</b>	Stop automatically in case of water level in storage tank is full Start automatically when distillate water is withdrawn from storage tank
<b>Water supply</b>	Solenoid valve built-in connection for evaporator and condenser Automatic solenoid valve switching on in case of low water level on evaporator tank Automatic solenoid valve switching off in case of high water level on evaporator tank

## Standard equipment

<b>Internal material</b>	Evaporator tank made of stainless steel material no. EN 1.4301 Condenser (cooler) made of stainless steel, material no. EN 1.4301 Heating element made of stainless steel, material no. EN 1.4876 Storage tank made of stainless steel material no. EN 1.4301
<b>External material</b>	Housing material made of galvanized steel, electrostatically powder coated
<b>Degassing system</b>	Degassing system through a vent in the top of the unit
<b>Accessing interior</b>	Easily accessed evaporator & storage tanks for cleaning and maintenance
<b>Installation</b>	All parts and tools for installation included
<b>distillate water withdrawal</b>	The drain tap can be opened in either continuous or touch position
<b>Main switch</b>	Main switch button on the front of the unit
<b>Led light</b>	Two led lights on the front of the unit, green light for ready operation and red light to indicate that heating element is switching on
<b>Mounting</b>	Suitable for bench and wall mounting

## Safety

<b>Water</b>	Low water cut-off to protect heating element
<b>Heating</b>	Overheating cut-off
<b>Led light</b>	Led light alarm
<b>Degassing</b>	low-gas, bacteria and pyrogen free
<b>Power connection</b>	power cable with German shock-proof type (Schuko) plug

## Connection

<b>Water inlet</b>	Cooling water inlet on the right-hand side of the unit Water inlet diameter 3/4 inch (Ø 19.05 mm),
<b>Water pressure</b>	From 2 bar to max 10 bar
<b>Water outlet</b>	Cooling water outlet on the right-hand side of the unit Water outlet diameter 2/5 inch (inner Ø 10 mm)
<b>Distillate water</b>	Distillate withdrawal through drain tube on the front of the unit
<b>Power</b>	Main connection cable on the left-hand side of the unit.

## Electrical data

<b>Voltage</b>	230 V / 50.. 60Hz
<b>Watt</b>	3000 watt



# WATER STILL DS 8000

## Shipping information

Customs tariff number	8419 4090
Packaging Dimension	77 W X 52 D X 66 H CM
Net weight	15 Kg
Gross weight carton	20 Kg

## Order information

Description	Model	Article number
Water still 4L/h with 8L storage tank, 220V/50-60Hz	DS 8000	5082.000

\* Other voltages available on request

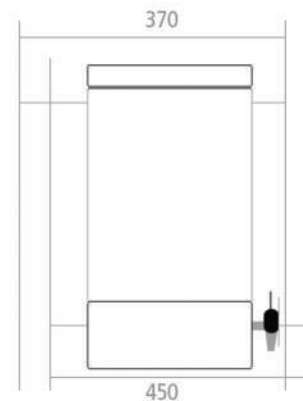
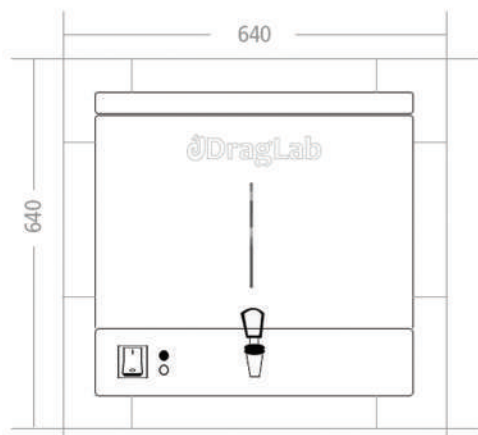
# WATER STILL DS 8008



## Important Features

- Durable, reliable and Low cost
- High purity distilled water - conductivity approx 2,5  $\mu\text{S}/\text{cm}$
- Built-in 16 litter storage tank
- Automatic water switching and power cut-off
- Electronic water level switch
- Automatic thermostatic cut-off safety system
- Heating element made of high quality stainless steel
- All material contact water made of stainless steel AISI 304
- Easily accessed evaporator & storage tank for effortless cleaning and maintenance
- The unit is suitable for both bench and wall mounting.
- All parts and tools for installation included.
- CE Certificate
- 2-years warranty

## Dimensions



## Technical Specifications

### Capacity

Capacity	8 Litter / hour
Storage Tank	16 Litter storage tank built-in
Consumption	80 litter / hour
Conductivity	approximately 2,5 $\mu\text{S}/\text{cm}$

### Control technology

<b>Fully Automatic</b>	Automatic power cut-off, in case of low water, to protect the heating element Automatic start when the water at sufficient level in the evaporator tank Automatic thermostatic cut-off
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# WATER STILL DS 8008

<b>Electronic level switch</b>	Stop automatically in case of water level in storage tank is full Start automatically when distillate water is withdrawn from storage tank
<b>Water supply</b>	Solenoid valve built-in connection for evaporator and condenser Automatic solenoid valve switching on in case of low water level on evaporator tank Automatic solenoid valve switching off in case of high water level on evaporator tank

## Standard equipment

<b>Internal material</b>	Evaporator tank made of stainless steel material no. EN 1.4301 Condenser (cooler) made of stainless steel, material no. EN 1.4301 Heating element made of stainless steel, material no. EN 1.4876 Storage tank made of stainless steel material no. EN 1.4301
<b>External material</b>	Housing material made of galvanized steel, electrostatically powder coated
<b>Degassing system</b>	Degassing system through a vent in the top of the unit
<b>Accessing interior</b>	Easily accessed evaporator & storage tanks for cleaning and maintenance
<b>Installation</b>	All parts and tools for installation included
<b>distillate water withdrawal</b>	The drain tap can be opened in either continuous or touch position
<b>Main switch</b>	Main switch button on the front of the unit
<b>Led light</b>	Two led lights on the front of the unit, green light for ready operation and red light to indicate that heating element is switching on
<b>Mounting</b>	Suitable for bench and wall mounting

## Safety

<b>Water</b>	Low water cut-off to protect heating element
<b>Heating</b>	Overheating cut-off
<b>Led light</b>	Led light alarm
<b>Degassing</b>	low-gas, bacteria and pyrogen free
<b>Power connection</b>	power cable with German shock-proof type (Schuko) plug

## Connection

<b>Water inlet</b>	Cooling water inlet on the right-hand side of the unit Water inlet diameter 3/4 inch (Ø 19.05 mm),
<b>Water pressure</b>	From 2 bar to max 10 bar
<b>Water outlet</b>	Cooling water outlet on the right-hand side of the unit Water outlet diameter 2/5 inch (inner Ø 10 mm)
<b>Distillate water</b>	Distillate withdrawal through drain tube on the front of the unit
<b>Power</b>	Main connection cable on the left-hand side of the unit.

## Electrical data

<b>Voltage</b>	400 V / 3ph 50...60 Hz
<b>Watt</b>	6000 watt

# WATER STILL DS 8008

## Shipping information

Customs tariff number	8419 4090
Packaging Dimension	90 W X 60 D X 80 H, CM
Net weight	35 Kg
Gross weight carton	45 Kg

## Order information

Description	Model	Article number
Water still 8L/h with 16L storage tank, 400V/50-60Hz	DS 8008	5008.000

\* Other voltages available on request

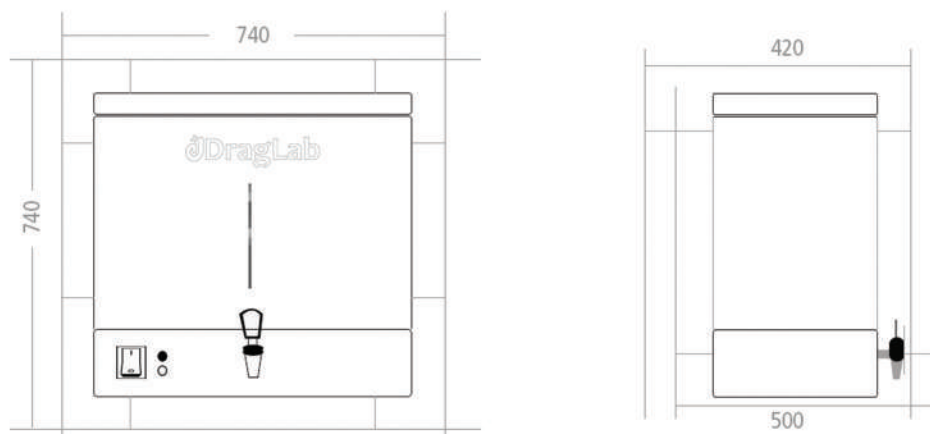
# WATER STILL DS 8012



## Important Features

- Durable, reliable and Low cost
- High purity distilled water - conductivity approx 2,5  $\mu\text{S}/\text{cm}$
- Built-in 16 litter storage tank
- Automatic water switching and power cut-off
- Electronic water level switch
- Automatic thermostatic cut-off safety system
- Heating element made of high quality stainless steel
- All material contact water made of stainless steel AISI 304
- Easily accessed evaporator & storage tank for effortless cleaning and maintenance
- The unit is suitable for both bench and wall mounting.
- All parts and tools for installation included.
- CE Certificate
- 2-years warranty

## Dimensions



## Technical Specifications

### Capacity

Capacity	12 Litter / hour
Storage Tank	24 Litter storage tank built-in
Consumption	135 litter / hour
Conductivity	approximately 2,5 $\mu\text{S}/\text{cm}$

### Control technology

<b>Fully Automatic</b>	Automatic power cut-off, in case of low water, to protect the heating element Automatic start when the water at sufficient level in the evaporator tank Automatic thermostatic cut-off
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# WATER STILL DS 8012

<b>Electronic level switch</b>	Stop automatically in case of water level in storage tank is full Start automatically when distillate water is withdrawn from storage tank
<b>Water supply</b>	Solenoid valve built-in connection for evaporator and condenser Automatic solenoid valve switching on in case of low water level on evaporator tank Automatic solenoid valve switching off in case of high water level on evaporator tank

## Standard equipment

<b>Internal material</b>	Evaporator tank made of stainless steel material no. EN 1.4301 Condenser (cooler) made of stainless steel, material no. EN 1.4301 Heating element made of stainless steel, material no. EN 1.4876 Storage tank made of stainless steel material no. EN 1.4301
<b>External material</b>	Housing material made of galvanized steel, electrostatically powder coated
<b>Degassing system</b>	Degassing system through a vent in the top of the unit
<b>Accessing interior</b>	Easily accessed evaporator & storage tanks for cleaning and maintenance
<b>Installation</b>	All parts and tools for installation included
<b>distillate water withdrawal</b>	The drain tap can be opened in either continuous or touch position
<b>Main switch</b>	Main switch button on the front of the unit
<b>Led light</b>	Two led lights on the front of the unit, green light for ready operation and red light to indicate that heating element is switching on
<b>Mounting</b>	Suitable for bench and wall mounting

## Safety

<b>Water</b>	Low water cut-off to protect heating element
<b>Heating</b>	Overheating cut-off
<b>Led light</b>	Led light alarm
<b>Degassing</b>	low-gas, bacteria and pyrogen free
<b>Power connection</b>	power cable with German shock-proof type (Schuko) plug

## Connection

<b>Water inlet</b>	Cooling water inlet on the right-hand side of the unit Water inlet diameter 3/4 inch (Ø 19.05 mm),
<b>Water pressure</b>	From 2 bar to max 10 bar
<b>Water outlet</b>	Cooling water outlet on the right-hand side of the unit Water outlet diameter 2/5 inch (inner Ø 10 mm)
<b>Distillate water</b>	Distillate withdrawal through drain tube on the front of the unit
<b>Power</b>	Main connection cable on the left-hand side of the unit.

## Electrical data

<b>Voltage</b>	400 V / 3ph 50...60 Hz
<b>Watt</b>	9000 watt



# WATER STILL DS 8012

## Shipping information

Customs tariff number	8419 4090
Packaging Dimension	98 W X 62 D X 90 H, CM
Net weight	40 KG
Gross weight carton	48 KG

## Order information

Description	Model	Article number
Water still 12L/h with 24L storage tank, 400V/50-60Hz	DS 8012	5012.000

\* Other voltages available on request

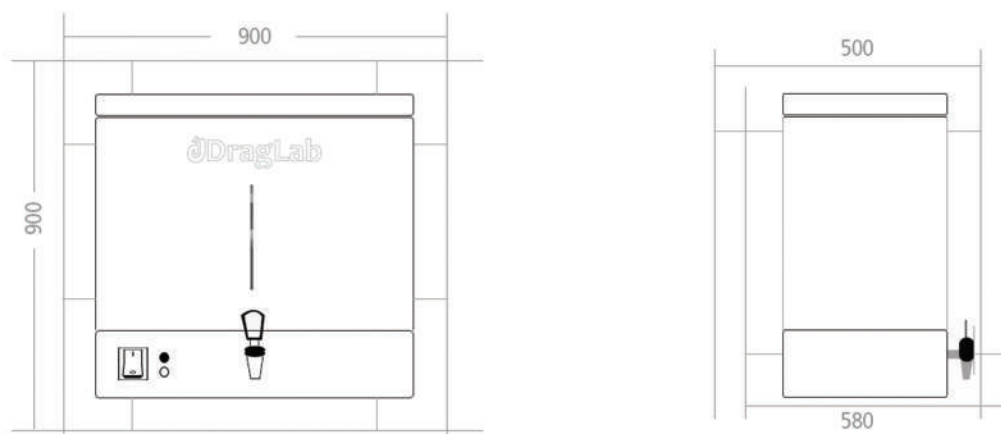
# WATER STILL DS 8025



## Important Features

- Durable, reliable and Low cost
- High purity distilled water - conductivity approx 2,5  $\mu\text{S}/\text{cm}$
- Built-in 50 litter storage tank
- Automatic water switching and power cut-off
- Electronic water level switch
- Automatic thermostatic cut-off safety system
- Heating element made of high quality stainless steel
- All material contact water made of stainless steel AISI 304
- Easily accessed evaporator & storage tank for effortless cleaning and maintenance
- The unit is suitable for both bench and wall mounting.
- All parts and tools for installation included.
- CE Certificate
- 2-years warranty

## Dimensions



## Technical Specifications

### Capacity

Capacity 25 Litter / hour

Storage Tank 50 Litter storage tank built-in

Consumption 220 litter / hour

Conductivity approximately 2,5  $\mu\text{S}/\text{cm}$

### Control technology

**Fully Automatic** Automatic power cut-off, in case of low water, to protect the heating element  
Automatic start when the water at sufficient level in the evaporator tank  
Automatic thermostatic cut-off

# WATER STILL DS 8025

<b>Electronic level switch</b>	Stop automatically in case of water level in storage tank is full Start automatically when distillate water is withdrawn from storage tank
<b>Water supply</b>	Solenoid valve built-in connection for evaporator and condenser Automatic solenoid valve switching on in case of low water level on evaporator tank Automatic solenoid valve switching off in case of high water level on evaporator tank

## Standard equipment

<b>Internal material</b>	Evaporator tank made of stainless steel material no. EN 1.4301 Condenser (cooler) made of stainless steel, material no. EN 1.4301 Heating element made of stainless steel, material no. EN 1.4876 Storage tank made of stainless steel material no. EN 1.4301
<b>External material</b>	Housing material made of galvanized steel, electrostatically powder coated
<b>Degassing system</b>	Degassing system through a vent in the top of the unit
<b>Accessing interior</b>	Easily accessed evaporator & storage tanks for cleaning and maintenance
<b>Installation</b>	All parts and tools for installation included
<b>distillate water withdrawal</b>	The drain tap can be opened in either continuous or touch position
<b>Main switch</b>	Main switch button on the front of the unit
<b>Led light</b>	Two led lights on the front of the unit, green light for ready operation and red light to indicate that heating element is switching on
<b>Mounting</b>	Suitable for bench and wall mounting

## Safety

<b>Water</b>	Low water cut-off to protect heating element
<b>Heating</b>	Overheating cut-off
<b>Led light</b>	Led light alarm
<b>Degassing</b>	low-gas, bacteria and pyrogen free
<b>Power connection</b>	power cable with German shock-proof type (Schuko) plug

## Connection

<b>Water inlet</b>	Cooling water inlet on the right-hand side of the unit Water inlet diameter 3/4 inch (Ø 19.05 mm),
<b>Water pressure</b>	From 2 bar to max 10 bar
<b>Water outlet</b>	Cooling water outlet on the right-hand side of the unit Water outlet diameter 2/5 inch (inner Ø 10 mm)
<b>Distillate water</b>	Distillate withdrawal through drain tube on the front of the unit
<b>Power</b>	Main connection cable on the left-hand side of the unit.

## Electrical data

<b>Voltage</b>	400 V / 3ph 50...60 Hz
<b>Watt</b>	18000 watt

# WATER STILL DS 8025

## Shipping information

Customs tariff number	8419 4090
Packaging Dimension	115 W X 70 D X 106 H, CM
Net weight	70 KG
Gross weight carton	80 KG

## Order information

Description	Model	Article number
Water still 25L/h with 50L storage tank, 400V/50-60Hz	DS 8025	5025.000

\* Other voltages available on request