

D-100

Fully automatic and maintenance free distiller. The unique self-cleaning function eliminates the need for dismantling and manual cleaning.

The D-100 offers 100% higher capacity than the previous version D-50, with even more compact physical dimensions.



Unique capabilities

- Automatic cleaning.
- Automatic sterilization.
- No need for pre-filter.
- Occasional or continuous operation.
- Lowest operation cost in the market, approx 0.1 Euro/litre water.
- Precise production. Set volume and fill up any vessel.
- Delayed start timer to use night time lower price electricity.

Technology

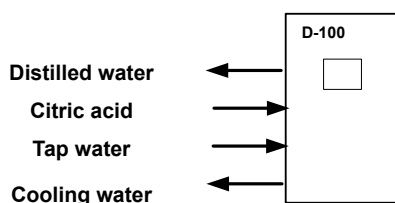
- Automatically cleaned with citric acid from reservoir.
- Water saving by efficient heat exchanger and temperature control of cooling water.
- Electricity saving by use of preheated water.
- No risk of overheating or running dry. Fully protected by alarms.
- CE-certified.
- All stainless steel wetted parts.
- Touch display
- Made in Sweden.
- 1 year world wide product warranty of entire product.

Technical data

Distilled water	
Capacity	100 litres/24 hours
Microbiological grade	Sterile
Inorganic purity grade	99.94% (standard mode)* 99.98 % (high purity mode)*
Conductivity	0.95-1.05 µS/cm*
Certificate of Analysis	Water for injection (WFI) status**
Temperature	5 °C higher than supply water.
Liquid supply	
Water quality	Tap water
Pressure of inlet water	(1.5***) 2 to 5 barg (20***) 30-70 psi
Water consumption	7 litres/litre distilled water
Electric supply	
Power adjustable	750-3000 W
Voltage	(208)-240 VAC / 50-60 Hz
Energy consumption	0.7 kWh/litre distilled water
Citric acid	
Tank volume	1 litre
Consumption	0.5 ml/litre distilled water
General	
Dimensions (WxHxD)	190x370x350 mm
Weight	9 kg
Enclosure material	Powder coated Al
Ambient temperature	+5... +30 °C
Wetted materials	316 SS, (Viton sealings)
Fluid connections	6 mm Compression fitting
Certification / Warranty	CE certified / 1 year full warranty

* After equilibrium with air and degassing of CO2.
 ** According to European Pharmacopoeia monograph 0169
 *** Unit will reduce power to adapt.

Principle



Distillation

Distillation removes solids, inorganics, organics with higher boiling point than water, bacteria and pyrogens from water. Distillers can be turned on after standstill and instantly produce pure water without cleaning or replacement of filters. The distillation process offers autonomy and produces pure water without need for expensive product specific consumables like filters or cartridges.

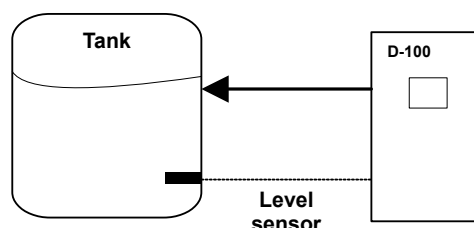
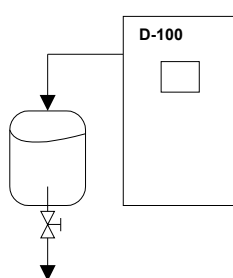
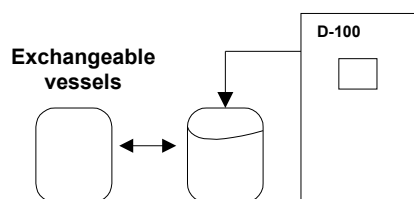
Rear panel



Proposed setup



Setups



The unit can be used to fill up exchangeable vessels or a fixed vessel. Press start. The unit fills up the vessel with newly produced water. When the set volume is produced the unit stops production and goes to standby.

An optional level sensor can be ordered to be mounted in any type of tank. The unit will automatically keep the tank filled with distilled water.

Price

Product	Price (Euro)	Description
D-100 distiller	5 500	Automatic distiller
Vessel 8 l with tap	300	Sterilizable clear polycarbonate
Vessel 20 l with tap	500	
Vessel 30 l for sensor	1 000	Sterilizable PE
Level sensor	2 000	0...2 meter level detection
Citric acid powder	300	5 kg (20 m3 of dist. water)

Freight D-100	Price (Euro)	Description
Europe	250	Land transportation
North America	400	DHL Express air freight
World	600	DHL Express air freight

Contact - Direct sale world wide

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