

D-50

Fully automatic and maintenance free distiller. The D-50 has a self-cleaning function that eliminates the need for dismantling and manual cleaning.



D-50 distiller bench top version



D-50 distiller wall mount version

Unique capabilities

- Automatic cleaning.
- No need for pre-filter.
- Lowest operation cost in the market, approx 0.1 Euro/litre water.
- Flow meter. Fill up any vessel and the unit will stop when full.
- Automatic sterilization (optional).

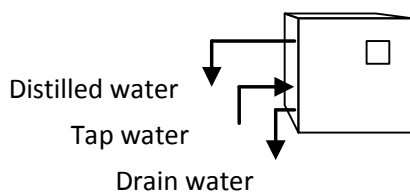
Technology

- Microprocessor controlled
- Touch display.
- Automatically cleaned with citric acid from an internal reservoir.
- Water saving by efficient plate heat exchanger and PID 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
- 2 years world wide product warranty.

Technical data

Distilled water		
Capacity	50 litres/24 hours	
Purity	1-2 µS / cm @ 25 °C (ASTM Type II water)	
Temperature	5 °C higher than supplied tap water.	
Liquid supply		
Water quality	Tap water	
Pressure of inlet water	3-6 barg	
Water consumption (supply and cooling)	7 litres/litre distilled water (14 litres/hour)	
Electric supply		
Power (max/standby)	1500 W / 10 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 (2000 litres of distilled water before refill)	
General		
	Wall mount	Bench top
Dimensions (WxHxD)	500x500x210 mm	281x471x391 mm
Weight	26 kg	15 kg
Enclosure material	304 Stainless steel	Powder coated Al
Ambient temperature	+5... +35 °C	
Wetted materials	316 Stainless steel, (PP, EPDM)	
Fluid connections	6 mm or 1/4" Compression fitting	
Certification	CE certified	

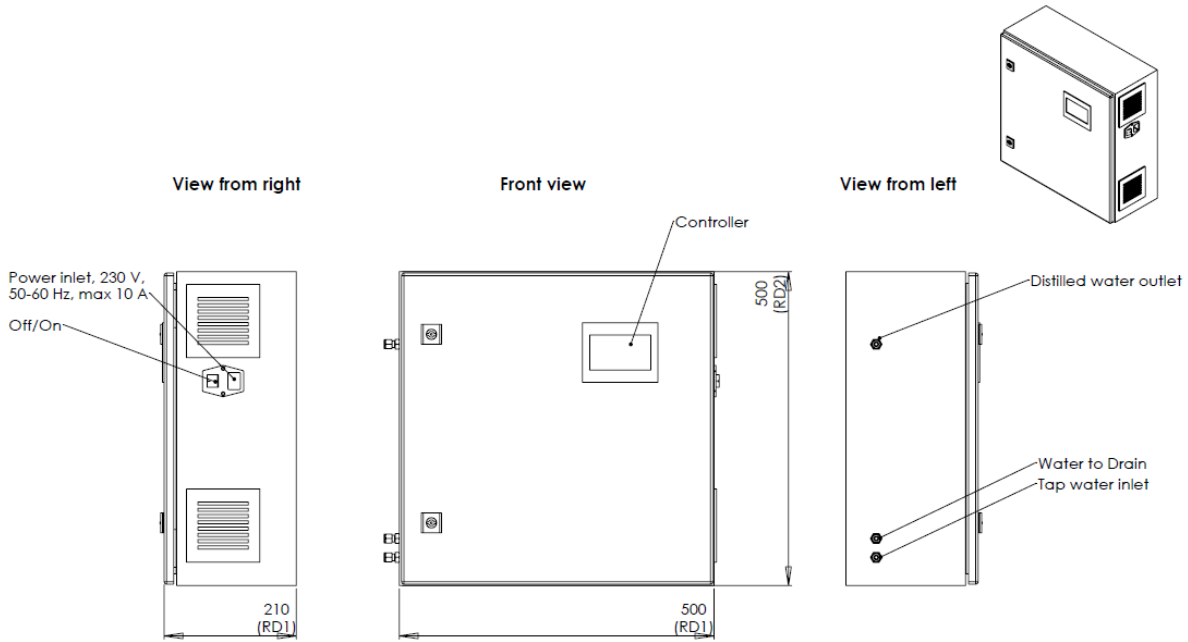
Principle



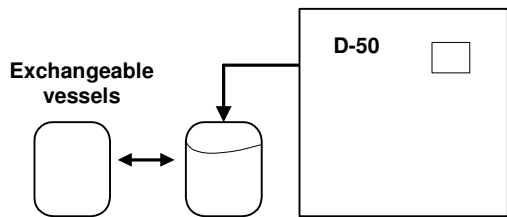
Distillation

Distillation removes inorganic solids, 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.

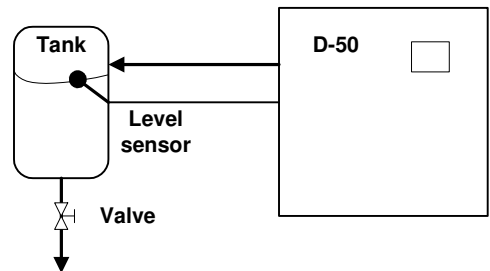
Design and dimensions wall mount version



Operation



The unit can be used to fill up exchangeable vessels. Place a vessel at the outlet and set the volume of the 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. Filling can optionally be done with an initial steam sterilisation of the vessel.



The unit can also be used with a fixed external tank that is filled up by the unit. In this way water is available for high flow instant tapping. Contact Cellkraft for your preferred option.

Contact – Direct sale world wide

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