



Technical Data Sheet

Bi-distiller, 4 and 8 l/h

Our Bi-distillers are fully automatic and produced of first class materials, made to withstand even rough service conditions. The heating elements of both distillation stages are protected against over temperatures by thermostatic low water cut-offs.

Specifications and features

- Water Still (fully automatic) for double distillation, suitable for both bench and wall mounting
- Very good distillate quality; conductivity:
 - single distillate: approx. 2.2 $\mu\text{S}/\text{cm}$ at 25°C
 - double distillate: approx. 1.6 $\mu\text{S}/\text{cm}$ at 25°C
(see „Technical details“)
- Electronic level control during the whole distilling process
- Electronic impurity detector switches the unit off in case of high degree impurities of the water in the evaporator 1st stage, the red pilot lamp „Clean“ will glow
- Double-action low water cut-off through float switch and thermostatic safety switch
- Economical energy consumption by distillation of the heated cooling water
- Water saving through automatic water cut-off, unnecessary water consumption will be avoided
- Condenser (cooler): 1st stage made of stainless steel; 2nd stage including the baffle made of DURAN® Borosilicate glass 3.3
- Evaporator easily accessible for cleaning purposes
- Distillate withdrawal: valve made of Borosilicate glass 3.3 with PTFE plunger for single distillate, outlet with dust guard shield made of Borosilicate glass 3.3 for double distillate
- CO₂ degassing through outlet in the condenser
- Heating element and evaporator made of stainless steel
- Double-walled housing, outer housing made of electrolytically galvanized sheet steel, electrostatically powder-coated with epoxy resin
- Water supply through a built-in solenoid valve with connection for pressure hose 1/2" (inner \varnothing approx. 12.7 mm)
- Cooling water outlet with hose connection 3/4" (\varnothing approx. 19.0 mm)
- Hoses for water in- and outlet are available as accessory





Technical details

Capacity	4 l/h	8 l/h
Conductivity	Single distillate: approx. 2.2 µs/cm at 25°C Double distillate: approx. 1.6 µs/cm at 25°C	Single distillate: approx. 2.2 µs/cm at 25°C Double distillate: approx. 1.6 µs/cm at 25°C
Distillation type	double	double
Material	1st stage: stainless steel 2nd stage: Duran glass	1st stage: stainless steel 2nd stage: Duran glass
Operation	fully automatic	fully automatic
Cooling water required	approx. 120 l/h	approx. 198 l/h
Water pressure	min. 3 bar to max. 7 bar	min. 3 bar to max. 7 bar
Exterior dimensions (W x D x H)	550 x 280 x 570 mm	700 x 390 x 700 mm
Electrical connection	400 V/50-60 Hz/7 kW	400 V/50-60 Hz/7 kW
Net weight	approx. 27.5 kg	approx. 45.0 kg

Bi-distiller, made of stainless steel, 400 V/50-60 Hz, 6.5 KW

4 l/h [REF.: 14052/2104](#)

8 l/h [REF.: 14052/2108](#)