

شرکت ابزار طب  
وارد کننده تجهیزات  
آزمایشگاهی - تحلیلی - علمی  
تاسیس ۱۳۶۳



تهران، خیابان مطهری، خیابان فجر، پلاک 38



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#### ■ Operation and Service Friendly

Double Distillers 2102 – 2108 are produced of a material combination of stainless steel / glass, without storage tank. Operating fully automatic, they produce two, four or eight litres of distillate per hour, depending on the model.



A stop valve made of Borosilicate glass 3.3 enables mono distillate to be withdrawn

**2104** Double Distiller 4 l / h,  
for bench and wall mounting



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Control panel with clear symbols for easy monitoring of operation



### Specifications and Features

- ▶ excellent distillate quality, conductivity of mono-distillate approx. 2.2  $\mu\text{s} / \text{cm}$  at 25 °C; conductivity of bi-distillate approx. 1.6  $\mu\text{s} / \text{cm}$  at 25 °C
- ▶ evaporator and baffle of the mono stage are easily accessible by lifting the condensers. Material: stainless steel, material no. 1.4301
- ▶ condensers (coolers):  
1st stage made of stainless steel, material no. 1.4301;  
2nd stage including baffle made of DURAN® / Borosilicate glass 3.3
- ▶ heating elements made of stainless steel, material no. 1.4876
- ▶ water supply through built-in solenoid valve with connection for water pressure hose 1/2 inch (inner  $\varnothing$  12.7 mm) \*
- ▶ required cooling water pressure: > 3 bar to max. 7 bar. After switching on the main switch the solenoid valve opens the water supply
- ▶ cooling water outlet with hose connection 3/4 inch (inner  $\varnothing$  19 mm). Water that has not been condensed flows off through the cooling water outlet \*
- ▶ energy-saving through distillation of the heated cooling water
- ▶ distillate withdrawal:  
stop valve made of Borosilicate glass 3.3 with PTFE plunger for mono distillate, outlet with dust guard shield made of Borosilicate glass 3.3 for bi-distillate
- ▶ low water cut-off: float switch and thermostatic over-temperature cut-out
- ▶ an electronic impurity detector switches the unit off in case of high degree impurities in the 1st stage evaporator, the red pilot lamp "Clean" will glow
- ▶ degassing of carbon dioxide through vent on the condensers
- ▶ main switch and pilot lamps to monitor both distillation stages are on the front of the unit
- ▶ two-part housing made of electrolytically galvanized sheet steel, electrostatically powder-coated with epoxy resin; upper part easily removable through quick-release catches
- ▶ power connection through connection cable

### Technical data

| Model Order No. | Capacity l / h | Cooling water requirement l / h approx. | Exterior dimensions mm approx. |       |        | Electrical connection *                                     | Weight kg approx. |                               | Packing volume approx. m <sup>3</sup> |
|-----------------|----------------|---|--------------------------------|-------|--------|---|-------------------|-------------------------------|---------------------------------------|
|                 |                |   | Width                          | Depth | Height |   | net               | gross carton packed on pallet |                                       |
| 2102            | 2              | 72                                      | 500                            | 260   | 470    | 230 V / 50...60 Hz / 3.5 kW                                 | 20.9              | 47.0                          | 0.62                                  |
| 2104            | 4              | 120                                     | 550                            | 280   | 570    | 400 V / 3ph/N/PE / 50...60 Hz / 7.0 kW three-phase current  | 27.5              | 54.0                          | 0.67                                  |
| 2108            | 8              | 198                                     | 700                            | 390   | 700    | 400 V / 3ph/N/PE / 50...60 Hz / 11.5 kW three-phase current | 44.6              | 72.3                          | 0.92                                  |

\* Other voltages available on request

\* Tubes for water inlet and outlet can be supplied as accessories.