



# Recirculating Chiller F-305 / F-308 / F-314

## The efficient way of cooling

The Recirculating Chiller F-305 / F-308 / F-314 are specifically designed to work with laboratory equipment such as rotary evaporators, parallel evaporators, Kjeldahl, and extraction products. You benefit from convenient central temperature setting, energy-saving ECO-mode, and automatic start/stop when used in conjunction with the Rotavapor® R-300 system.



### Efficient

Optimized operating conditions by automatic adjustment of all process parameters

### Ecological

Saves water, reduces emissions and conserves energy



### Extendable

Seamless plug & play integration into a Rotavapor® R-300 system



## Recirculating Chiller F-305 / F-308 / F-314

Key features and advantages





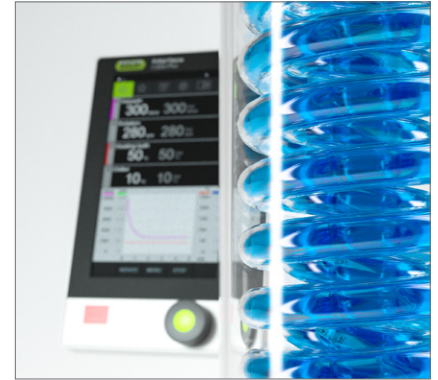
### Seamless integration

Convenient temperature setting and control when integrated in a Rotavapor® R-300 system.



### Navigation

Conveniently set the cooling temperature directly on the chiller or on the central Interface I-300 / I-300 Pro.



### Optimal cooling

Operating with a Rotavapor® R-300 system, the vacuum is automatically adjusted to the heating and cooling temperature, maximizing the distillation performance.



### Temperature lock

Lock the set temperature by pushing the navigation knob to avoid unintentional changes.



### Eco-mode

The ECO-mode in conjunction with the interface saves energy and reduces heat emission by switching into a stand-by mode when not in use.



### Water saving

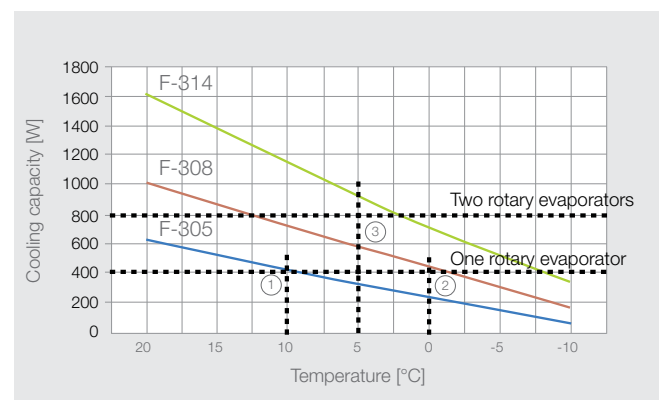
A rotary evaporator typically consumes 40 liter of water per hour. Operating with a chiller this valuable resource is conserved.

## Chiller performance depending on the temperature

Use the performance chart to choose the right chiller for your application.

Example: Distillation with one rotary evaporator requires about 400 W of power.

- ① Distillation with one rotary evaporator at 10 °C ▶ F-305
- ② Distillation with one rotary evaporator at 0 °C ▶ F-308
- ③ Distillation with two rotary evaporators at 5 °C ▶ F-314



## F-305 / F-308 / F-314: Your most important benefits



### Efficient

- Efficient distillation due to complete integration into the BUCHI rotary evaporation system
- Saves time thanks to instant start with automatic and dynamic pressure adjustment without waiting until chiller reaches its set temperature



### Ecological

- ECO-mode: saves energy and reduces heat emission by switching into a stand-by mode when not in use
- No water consumption
- Maximizes distillation capacity while reducing solvent emissions due to intelligent integration of all process parameters using the Interface I-300 / I-300 Pro



### Interactive

- Seamless plug & play integration into:
  - Fully automated BUCHI Rotavapor® R-300 systems including all process parameters
  - BUCHI extraction and Kjeldahl solutions

## Complete your portfolio



**Rotavapor®  
R-300**  
Convenient and efficient  
rotary evaporation



**Multivapor™  
P-6 / P-12**  
Efficient evaporation  
for multiple samples



**Extraction Systems  
B-811 / B-811 LSV**  
Universal extraction



**KjelMaster System  
K-375 / K-376 / K-377**  
Steam distillation, titration  
and auto sampling

