

TE400 Peltier chiller

With their robust design and precise temperature control, Peltier chillers are ideal for simple temperature control tasks in laboratories and research facilities. They operate without refrigerants and are therefore very environmentally friendly. At the same time, the reliable chillers contribute to lowering operating costs and reducing the ecological footprint thanks to their energy-efficient operation.

The TE400 uses fewer movable components such as compressors for cooling. This makes it comparatively low-maintenance and less susceptible to wear. The Peltier chiller offers a cooling capacity of up to 400 watts and a pump capacity of up to 7 l/min and impresses with its high temperature stability for a wide range of different applications.

Silent Mode

The TE400 Peltier chiller is equipped with an additional operating mode for use with lower cooling power requirements. The noise level is significantly reduced in Silent Mode, contributing to a more pleasant working atmosphere.

Product features

- High temperature stability
- Environmentally friendly operation with low energy consumption
- Economical operation due to high energy efficiency and low energy consumption
- Touch display for easy operation

Performance values

230V/50Hz (Multiple Plugs (EU / US / GB / CH - Plug))	
Heating capacity kW	0.45
Pump capacity flow rate l/min	7
Pump capacity flow pressure bar	1.2
Power consumption A	2.17



Order No. 9635400.99

Cooling capacity 1 (Water)			
°C	20	10	
kW ¹	0.4	0.2	
Cooling capacity 2 (Water)			
°C	20	10	
kW ¹	0.33	0.19	
Cooling capacity 3 (Water Glycol 30:70)			
°C	20	10	0
kW ¹	0.4	0.2	0.05

¹ Cooling capacity 1&3: Boost mode, cooling capacity 2: Silent mode. Cooling performance specifications apply for ambient temperature of 20°C. The cooling capacity may decrease if the ambient temperature rises.

Technical data

Available voltage versions

Order No. 9 635 400

Available voltage versions:

9635400.99 100-230V/50-60Hz (Multiple Plugs (EU / US / GB / CH - Plug))

Electronics

Interfaces RS232

Dimensions and volumes

Weight kg 24
 Barbed fittings inner diameter mm 8/12 mm
 Dimensions cm (W x L x H) 27.4 x 41.3 x 40
 Filling volume l 1
 Pump connections M16x1 male

Temperature values

Working temperature range °C -5 ... 40
 Temperature stability °C 0.02
 Ambient temperature °C 15 ... 40
 Setting the resolution of the temperature display °C 0.1