VALEGRO 350 Recirculating cooler



The VALEGRO 350 recirculating cooler with a working temperature range -20 ... +40 °C offers, in relation to its very compact design, a strong cooling capacity of 0.35} kW at 20 °C. The integrated pump generates a pump pressure up to 0.6 bar. It is also infinitely adjustable and can be ideally adapted to the requirements of the customer application.

The modern units offer precise temperature control for a wide range of applications in laboratories, industry and research and fit seamlessly into any working environment thanks to their compact design. The refrigeration circuit works with an environmentally-friendly, natural refrigerant. When designing the VALEGRO recirculating coolers, the focus was on maximum user-friendliness. Many helpful features such as a timer function, a removable venting grid that can be removed without tools or an illuminated and simple to clean level indicator make daily work easier. The inclined OLED touch display is easy to read and ergonomic to operate. The intuitive menu navigation provides simple and quick access to all functions. Warnings and messages in easy-to-understand full-text language ensure safe handling of the units at all times. In addition to RS232 and USB-C interfaces, the VALEGRO recirculating coolers are also available with Ethernet (optional). All interfaces are located directly under the display and are easy to use from the front.

Product features

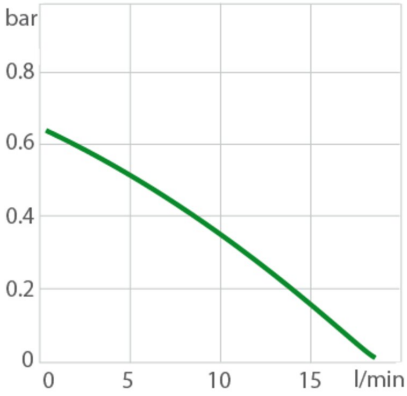
- Precise temperature stability of ± 0.3 °C
- Adjustable pump for regulating pressure and flow rate
- Removable venting grid without tools
- Integrated castors for good handling on and under the lab bench
- Simple timer function
- Autostart function
- Data recording
- Intuitive menu navigation in full text German/English
- User-friendly operation thanks to comprehensive help texts
- Adjusting the screen brightness

Available options

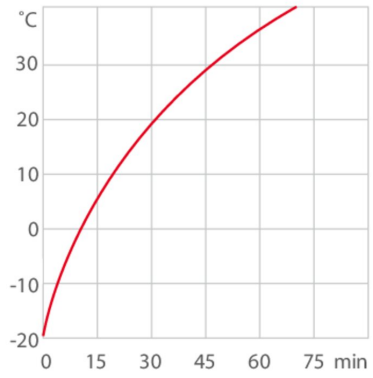
Interface

- Ethernet

Pump capacity

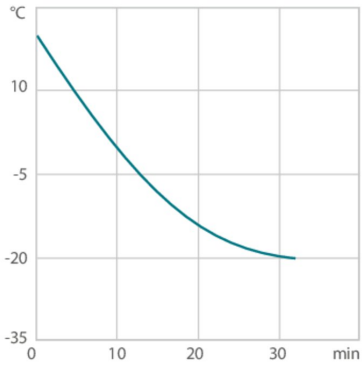


Heat-up time



Medium: Thermal G

Cool-down time



Medium: Ethanol

Performance values

230V/50Hz (Schuko Plug - CEE 7/4 Plug Type F)	
Viscosity max. cSt	50
Pump capacity flow pressure l/min	16
Pump capacity pressure bar	0.6
Power consumption A	3

Order number including voltage version	9610035.30003787			
Cooling capacity 7 (Ethanol)				
°C	20	0	-10	-20
kW [1]	0.35	0.25	0.18	0.07

Refrigerant stage 1	
Refrigerant	R290
Filling weight g	37
Global Warming Potential for R290	3
Carbon dioxide equivalent t	0.000111

[1] Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.

Technical data

Available voltage versions	
Order No.	9610035
Available voltage versions:	
9610035.30003785	100V/50-60Hz (Nema N5-15 Plug) (R290)
9610035.30003786	115V/60Hz (Nema N5-15 Plug) (R290)
9610035.30003787	200-230V/50-60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R290)
9610035.30003788	230V/50Hz (UK Plug Type BS1363A) (R290)

Cooling	
Cooling of compressor	1-stage Air

9610035.30003789	230V/50-60Hz (CH Plug Type SEV 1011) (R290)
9610035.30003790	200-230V/50-60Hz (CN Plug) (R290)

Bath

Bath tank	Stainless steel

Other

Sound pressure level dbA	52
Classification	Classification I (NFL)
Standards	CE, RoHs
Alarm notification	Acoustic, Optical
IP Code	IP 21
Pump function	Pressure Pump
Pump type	Centrifugal Pump
User Interface Language	English, German

Electronics

Interfaces	Ethernet optional, RS232, USB
Temperature control	PID1
Temperature display	OLED
Temperature setting	Touchscreen
Electronic Timer h:min	99 ... 59

Dimensions and volumes

Weight kg	26
Barbed fittings inner diameter mm	8/12 mm
Total dimensions cm (W × L × H)	23 x 45 x 45
Filling volume l	1.5 ... 3
Pump connections	M16x1 male

Temperature values

Return flow temperature max. °C	+85
Working temperature range °C	-20 ... +40
Temperature stability °C	±0.3
Ambient temperature °C	+5 ... +40
Temperature display resolution °C	0.1