

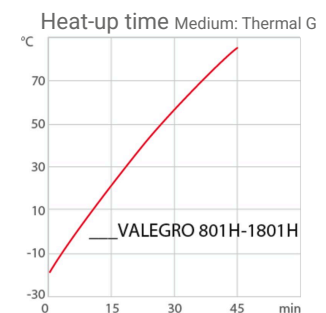
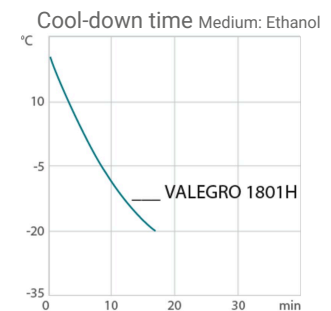
Product data sheet

VALEGRO 1801H recirculating cooler

with cooling capacities of 0.8 - 1.8 kW

VALEGRO recirculating coolers with additional heating function have an extended working temperature range from -20 to +85 °C. The pump can be easily adjusted in user-friendly, percentage-based stages.

Whether in the laboratory, research, or production, the VALEGRO 1801H recirculating coolers offer a constant cooling capacity of 1.8 kW at 20 °C, supporting stable processes around the clock. These modern units offer precise temperature control for a wide range of applications and, thanks to their compact design, fit seamlessly into any working environment. The refrigeration circuit uses an eco-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 does not require tools, and an illuminated and simple to clean level indicator make daily work easier. The inclined OLED touch display is easy to read and ergonomic to use. The intuitive menu navigation allows quick access to all functions. Warning notices and system messages are displayed in clear, understandable language, ensuring maximum safety when using the device. In addition to RS232 and USB-C interfaces, VALEGRO recirculating coolers are also available with Ethernet (optional). All interfaces are located directly below the display and are easy to use from the front.



Product Features

- ✓ User-friendly operation thanks to comprehensive help texts
- ✓ Intuitive menu navigation in full text German/English
- ✓ Data recording
- ✓ Autostart function
- ✓ Simple timer function
- ✓ Removable venting grid without tools
- ✓ Casters for easy handling
- ✓ Precise temperature stability of ± 0.2 °C

Available options

Interfaces

Ethernet
VALEGRO Ethernet activation



Performance values

230V/50Hz (Multiple Plugs (EU / US))

Heating capacity kW 2

Viscosity max. cSt 50

Pump capacity flow pressure l/min 15 ... 23

Pump capacity pressure psi 7.3 ... 16

Power consumption A 11

Voltage Tolerance % 230V | ±10

Order number including voltage version (230V/50Hz) 9612181.30005693

Cooling capacity 1 (Ethanol)

°C	20	0	-10	-20
kW ¹	1.8	1.1	0.75	0.5

Note about natural refrigerants:

Temperature control units using natural refrigerants are often subject to regulatory requirements regarding the installation site, operation, transport or disposal of the units. If you have any questions, we will be happy to advise you.

Refrigerant stage 1

Refrigerant R290

Filling weight g 80

Global Warming Potential for R290 3

Carbon dioxide equivalent t 0.00024

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. 9612181

Available voltage versions:

9612181.30005692	100-115V 50/60Hz (Nema N5-15 Plug) (R290)
9612181.30005693	200-230V 50/60Hz (Multiple Plugs (EU / US)) (R290)
9612181.30005694	200-230V 50/60Hz (UK Plug Type BS1363A) (R290)
9612181.30005695	200-230V 50/60Hz (CH Plug Type SEV 1011) (R290)
9612181.30005696	200-230V 50/60Hz (CN Plug) (R290)

Cooling

Cooling of compressor 1-stage Air

Bath

Bath tank Stainless steel

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 lbs	95.5
Barbed fittings inner diameter mm	8/12 mm
Total dimensions in. (W × L × H)	14.4 x 20.7 x 24
Body dimensions in. (W × L × H)	14.4 x 18.7 x 23.6
Filling volume l	4 ... 7
Pump connections	M16x1 male

Temperature values

Return flow temperature max. °C	+85
Working temperature range °C	-20 ... +85
Temperature stability °C	±0.2
Ambient temperature °C	+5 ... +40
Temperature display resolution °C	0.1

Other

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
Sound pressure level dbA	42 ... 56

Included in delivery

2 Barbed fittings for tubing 8 and 12 mm ID. (Pump connections
M16x1 male)

Refer to www.julabo.com for more information regarding the entire JULABO product portfolio. Technical changes without prior notification.
Images may deviate from the original. | Datasheet No.EN-US9612181/251114