

Presto A80 Temperature Control System

[Print Data Sheet](#)

Product Image



Order Information

Model: Presto A80
Order no.: 9420801

Available mains power:
230 V / 50 Hz
208 V / 60 Hz

Sales & Support:

+49 7823 51-190

Monday to Friday
7:30 am - 17:00 pm

JULABO Labortechnik
GmbH
Eisenbahnstrasse 45
77960 Seelbach/Germany
Phone +49 7823 51-0
Fax +49 7823 2491
info@julabo.de
www.julabo.de

Technical changes reserved.
Pictures may differ from original.

Description

Thermodynamic Power

The new PRESTO® systems are designed for precise temperature control as well as rapid temperature changes, making them ideal for reactor vessels, material stress tests, or temperature simulations. These instruments cover a working temperature range of -80 to +250 °C with high cooling and heating capacity. Highly efficient components give these instruments the ability to compensate for exothermic and endothermic reactions with extraordinary speed. Lab users benefit from high flow rates, constant pressure, and a controlled build-up of pump pressure. Changes in the temperature-control liquid's viscosity are balanced dynamically. Permanent internal monitoring and self-lubricating pumps contribute to the new PRESTO®'s long service life. The integrated 5.7" industrial color TFT touch screen is one of the identifying characteristics of the new PRESTO®. It gives the user a clear and well-organized view of important information while greatly improving user-friendliness. Fingertip control via the new touchscreen makes it incredibly easy to operate the new PRESTO® units. Once in operation, the new PRESTO® units are whisper quiet and barely audible in a laboratory. The new PRESTO® units are extremely robust and work reliably even if the ambient temperature climbs as high as +40 °C. Multiple interfaces permit remote control of the PRESTO® across networks and in superordinated control systems. Like all JULABO instruments, the new PRESTOs® have closed side panels without ventilation slits. This reduces to a minimum the amount of space needed to operate the units because any other lab instruments may be placed directly next to the PRESTO®.

Advantages

- o For highly precise, external temperature applications
- o Rapid heating and cooling
- o Fast compensation of exothermic reaction
- o Wide working temperature ranges without changing fluids
- o Highest performance with small footprint
- o NEW 5,7" industrial color TFT touch screen
- o Up to 3 user level with password management
- o NEW USB (Host und Device)
- o NEW Ethernet
- o NEW SD-Card slot
- o RS232 / optional RS485 / optional Profibus DP
- o Stand-by input
- o Filling system accessible from the top
- o Removable venting grid for simplified removal of dust

Technical Specifications

Working temperature range	-80 ... 250 °C
Temperature control	ICC
Temperature stability external	±0.01 °C
Display	TFT-Dialog-Display
Display resolution	0.01 °C
Integrated programmer	available
Heater capacity	1800 W
Cooling capacity	200 20 0 -20 -40 -60 -80 °C 1200 1200 1200 1100 1100 650 100 W
Refrigerant	R507
Pump capacity	Pressure: 0,3...1,7 bar Flow rate: 16...40 l/min
Digital interfaces	RS232, optional Profibus
External Pt100 sensor connection	available
Filling volume	3.9 Liters
Filling volume expansion vessel	5.6 Liters
Dimensions (W x L x H)	43,0 x 65,0 x 125,8 cm
Weight	164 kg
Ambient temperature	max. 40 °C
Classification according to DIN 12876-1	3 (FL)

Miscellaneous

Analog input/output (optional)
Air-cooled