

PRESTO™ W56

Our new power pack



The PRESTO W56 is the most powerful, 1-stage highly dynamic temperature control system from JULABO. Applications with high performance requirements can be temperature-controlled even faster and more efficiently. The magnetically coupled pump allows optimal adjustment of the pump capacity to suit the application, even over large distances and height differences, as well as for pressure-sensitive applications.

Water-glycol up to +150 °C

The PRESTO W56 contains a technical innovation: Connection of an expansion kit allows pressurized temperature control with water-glycol up to a working temperature of +150 °C.

Use of the latest thermodynamic technologies means that the cooling capacity is automatically adjusted to suit the current power requirements. In combination with additional optimizations, the PRESTO W56 works very economical and energy-efficient.



PRESTO™ W56

Order No.	9 421 562						
Working temperature range °C	-56 ... +250						
Temperature control	ICC						
Temperature stability °C	±0.05 ... ±0.1						
Setting / display resolution °C	±0.01						
Integrated programmer	8 × 60 steps						
Temperature display	5.7" TFT Touchscreen						
Heating capacity kW	27						
Cooling capacity °C	20	0	-10	-20	-30	-40	-50
(Bath fluid Ethanol) kW	25.8	23.1	16.9	11.5	7.1	3.5	1.4
Pump capacity flow rate l/min	35 ... 80						
Pump capacity pressure bar	0.48 ... 3.2						
Pump connections	M38 × 1.5						
Pt100 external sensor connection	Yes						
Digital interfaces	RS232, SD Card, USB, Ethernet, Modbus, Alarm output / Accessory: RS485, Profibus						
Analog inputs/outputs	Accessory						
Cooling of compressor	Single-stage, water-cooled						
Process volume min. liters (active heat exchanger volume)	11 (10)						
Internal usable expansion volume liters	17.5						
Classification acc. to DIN 12876-1	Class III (FL)						
Noise level max. dbA (distance 1 m)	72						
Viscosity max. cSt.	50						
Permissible ambient temperature °C	5 ... 40						
Cooling water consumption l/min	14 ... 25						
Dimensions W×D×H cm	60 × 94 × 164						
Weight kg	385						

Available voltage versions

Nominal voltage V / Hz	3 × 400/50	3 × 480/60
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All data refers to the nominal voltage and nominal frequency and ambient temperature of +20 °C. Cooling capacity measured at max. pump stage. All pump data refers to a bath fluid with a specific density of 1 kg/dm³.