

The Power of Thermodynamics™

PRESTO® W50 / W50t

Highly Dynamic Temperature Control System

For laboratory and industrial scale



NEW

Power & performance

- Cooling capacity up to 7.5 kW
- Heating capacity up to 12 kW
- Pump capacity up to 3.2 bar or 76 l/min

Ideal for professional temperature control solutions; e. g. jacketed reactors, reactor systems, mini plants, kilo labs, process technology, microreactors, vacuum chambers, material and component testing e.g. in the automotive industry, and more





PRESTO® W50 / W50t

JULABO	PRESTO W50	PRESTO W50t
JULABO Order number	9 421 502	9 421 502.T
Working temperature range °C	-50 ... +250	-50 ... +250
Temperature stability °C	±0.05 ... ±0.1	±0.05 ... ±0.1
Setting / display resolution °C	±0.01	±0.01
Integrated programmer	8 x 60 steps	8 x 60 steps
Temperature display	5.7" TFT Touchscreen	5.7" TFT Touchscreen
Heating capacity kW	6 @ 400V; 6 @ 230V; 5.5 @ 208V	12 @ 400V; 12 @ 230V; 10 @ 208V
Cooling capacity °C	200 / 20 0 -10 -20 -30 -40	200 / 20 0 -10 -20 -30 -40
(Bath fluid Thermal HL60 / Ethanol) kW	7.0 / 7.5 6.5 5.0 3.0 1.8 0.6	7.0 / 7.5 6.5 5.0 3.0 1.8 0.6
Pump capacity flow rate l/min	35 ... 76	35 ... 76
Pump capacity pressure bar	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V	0.48 ... 3.2 @ 400V; 0.48 ... 3.2 @ 230V; 0.48 ... 3.0 @ 208V
Pump connections	M30 x 1.5 male	M30 x 1.5 male
Refrigerant	R507	R507
Pt100 external sensor connection	Included	Included
Digital interfaces	RS232, SD Card, USB, Ethernet, Modbus, Alarm output Optional: RS485, Profibus	RS232, SD Card, USB, Ethernet, Modbus, Alarm output Optional: RS485, Profibus
Analog inputs/outputs	Optional	Optional
Cooling of compressor	single stage, water-cooled	single stage, water-cooled
Process volume min. liters (active heat exchanger volume)	7.5 (3.5)	7.5 (3.5)
Internal usable expansion volume liters	7.5	7.5
Classification acc. to DIN 12876-1	Class III (FL)	Class III (FL)
Noise level max. dbA (distance 1 m)	65	65
Viscosity max. cSt.	50	50
Permissible ambient temperature °C	5 ... 40	5 ... 40
Cooling water connection	G 3/4" male with barbed fittings for tubing 1/2" ID	G 3/4" male with barbed fittings for tubing 1/2" ID
Cooling water consumption l/min	8 ... 12	8 ... 12
Cooling water differential pressure bar	0.5	0.5
Dimensions W x D x H cm	53 x 66.5 x 126	53 x 66.5 x 126
Weight kg	210	210

Available voltage versions

JULABO Order number	9 421 502.07	9 421 502.06	9 421 502.16	9 421 502.07.T	9 421 502.06.T	9 421 502.16.T
Nominal voltage V / Hz	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %	3 x 400 / 50 ±10 %	3 x 230 / 50 ±10 %	3 x 208-230 / 60 ±5 %
Nominal current A	16	27	25A @ 208 V / 27 A @ 230 V	25	39	36 A @ 208 V / 39 A @ 230 V
Plug	16A CEE plug	32A CEE plug	Without plug	32A CEE plug	64A CEE plug	Without plug

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.