

PRESTO™ W58x

Our new power pack



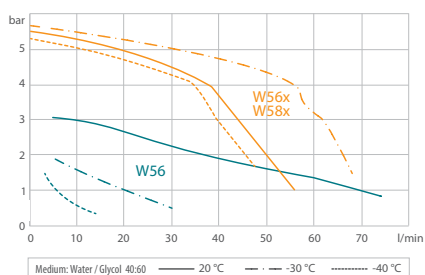
The PRESTO W58x is the most powerful, 1-stage highly dynamic temperature control system from JULABO. Applications with high performance requirements can be temperature-controlled even faster and more efficiently. It has a very high cooling capacity of 33 kW at 20 °C and thus offers large power reserves over the entire working temperature range, especially at temperatures around -30 °C to -40 °C in conjunction with water-glycol mixtures.

The magnetically coupled pump allows optimal adjustment of the pump capacity to suit the application, even over large distances and height differences.

Water-glycol up to +150 °C

The PRESTO W58x contains a technical innovation: Connection of an expansion kit allows pressurized temperature control with water-glycol up to a working temperature of +150 °C.

For applications where, in addition to precise temperature control, an exactly defined volume flow of the medium used is required, the PRESTO W58x can additionally be equipped with a customer-specific flow control system.



Overview pump pressure

The PRESTO W58x has a gear pump, similar to the W56x, which also allows use of bath fluids with a higher viscosity.



PRESTO™ W58x

Order No.	9 421 583.51					
Working temperature range °C	-50 ... +250					
Temperature stability °C	±0.05 ... ±0.1					
Setting / display resolution °C	±0.01					
Integrated programmer	8 × 60 steps					
Heating capacity kW	27					
Cooling capacity °C	20	0	-10	-20	-30	-40
(Bath fluid Ethanol) kW	33	32	28	19	12	7
Cooling capacity °C	20	0	-10	-20	-30	-40
(Bath fluid water-glycol 40:60) kW	33	32	25	16	10	5.5
Pump capacity flow rate l/min	0 ... 70					
Pump capacity pressure bar	0.1 ... 5.5					
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)	13 (12)					
Internal usable expansion volume liters	17.5					
Classification acc. to DIN 12876-1	Class III (FL)					
Viscosity max. cSt.	280					
Permissible ambient temperature °C	+5 ... +40					
Dimensions W×D×H cm	70 × 108 × 174					
Weight kg	486					

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.