

Highly Dynamic Temperature Control Systems

Presto® benefits:

- Small space required - LH40, LH45, LH46 and LH85 can be placed under lab bench
- LH45, LH46 and LH85: Combination of air and water cooling, i.e. automatic changeover at high ambient temperatures or interruption of cooling water
- Handles and castors allow easy relocation
- Time saving filling process for the entire system with permanent air purge
- Reservoir with cooling device and integrated high temperature cut-off
- Integrated warning, safety and supervision functions via 9 sensors
- Optional expansion vessels (accessories)
- Automatic de-gas mode
- Small filling volume enhances instrument performance
- IP class according to IEC 529: IP31

Applications

- ° Jacketed reactors, autoclaves, e.g. for polymerisation, polycondensation
- ° Combinatorial chemistry, reaction blocks, organic synthesis
- ° Reaction calorimeters
- ° Distillation, pilot plants
- ° Calibration
- ° Semiconductor industry
- ° External open systems (except LH40)

Application: Presto® LH50 with jacketed 20 litre glass reactor



Product no	Working temp. range °C	Temperature stability in system °C	Cooling capacity Kw ¹ (Bath fluid: JULABO ThermalEthanol)						Pump capacity Flow rate/Pressure		Filling Vol litres	Dimensions w x l x h cm	Weight kg	Power requirement V/Hz
			+200	+20	-20	-40	-60	-80	°C	l/min				
12230/01	-40 to +250	±0.01 to ±0.05	1.5	1.0	0.4	0.05	--	--	24-33	0.8-1.6	2.5	30 x 49 x 64	71	230~/50 or 230~/60
12230/02	-40 to +250	±0.01 to ±0.05	1.5	1.2	0.5	0.1	--	--	24-33	0.8-1.6	2.5	30 x 49 x 64	71	230~/50 or 230~/60
12230/03	-45 to +250	±0.01 to ±0.05	2.5	2.1	0.9	0.1	--	--	24-33	0.8-1.6	2.5	50 x 59 x 64	103	230~/50 or 230~/60
12230/04	-45 to +250	±0.01 to ±0.05	2.5	3.0	1.3	0.3	--	--	24-33	0.8-1.6	2.5	40 x 55 x 127	150	3 x 400~/50 ² or 3 x 230~/60
12230/05	-50 to +250	±0.01 to ±0.1	5.5	7.0	2.8	0.9	--	--	24-35	0.8-2.2	10.0	40 x 55 x 127	182	3 x 400~/50 ² or 3 x 230~/60
12230/06	-85 to +250	±0.01 to ±0.05	1.5	1.0	0.9	0.7	0.5	0.1	24-35	0.8-1.6	2.5	50 x 59 x 64	130	230~/50 or 230~/60
12230/07	-91 to +250	±0.05 to ±0.2	3.5	5.0	4.5	4.0	2.5	0.6	24-35	0.8-1.6	21.5	71 x 88 x 165	420	3 x 400~/50 ² or 3 x 230~/60

¹ Cooling Capacity measured at pump stage 1 = 24l/min. - 0.8bar and water-cooling on models LH45, LH85, LH50)

² 32A CEE power supply line necessary for LH47 and LH50

LH46/LH85



Small
footprint.

High
capacity.

LH47/LH50

