

COOL SOLUTIONS

from

LabTech

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HIGH PERFORMANCE WATER CHILLER LINE

- Highly efficient cooling
- Accurate temperature control
- Advanced, robust design
- Environmental friendly (CFC- free)
- Quiet operation

Cool Solutions from LabTech

Even if water is one of the most precious and scarce resources, it is still largely used as coolant in many laboratories. Most of the water used as coolant is not recycled, leading to higher laboratory costs.

LabTech offers a complete line of recirculating water chillers to match all laboratory needs. LabTech's state-of-the-art water chillers ensure accurate and constant cooling conditions for your instrumentation in the harsh environment of the laboratory.



APPLICATIONS OF LABTECH WATER CHILLERS



- AAS
- ICP-OES
- ICP-MS
- XRF
- XRD
- ROTARY EVAPORATORS
- LASERS
- DISTILLATION
- PACKAGING
- SPUTTERING SYSTEMS
- INDUSTRY
- ELECTRON MICROSCOPY



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Good Reasons to Select LabTech Advanced Water Chillers



- 1** High energy efficiency.
“Hot gas bypass” technology routes back the hot, uncondensed refrigerant through a reservoir coil thus eliminating on/off cycling of compressors and the addition of energy-wasting heaters. This method combined with P.I.D. temperature control technique allows accurate temperature control, greater energy efficiency, and increased compressor lifetime.
- 2** Accurate temperature control through P.I.D. technology.
P.I.D. is a dynamic temperature control technique through proportional integrative and differential control.
- 3** High quality components.
All parts used in LabTech’s chillers must pass strict quality control. The quality control ensures long life-span, even with 24/7 operation.
- 4** Reduce operating cost.
LabTech’s recirculating chillers saves large amount of tap water, thereby reducing lab costs while saving precious resources of drinking water.
- 5** “Green lab conditions”.
All chillers utilize CFC-free R134A cryogen which is compatible with international environmental standards.
- 6** High performance and quiet operation.
LabTech’s chillers, ensure quiet operations and low water consumption while providing rapid and powerful cooling.
- 7** Best quality/price ratio in the market.

LABTECH COOL SOLUTIONS FOR ALL APPLICATIONS



Application		Model	P/N
H50 series	Rotary evaporators, distillations (Kjeldahl-Soxhlet)	H50-350	LW350
	vacuum systems	H50-500	LW500
Application		Model	P/N
H150 series	All types of AA - ICP*	H150-1000	LW1000
	ICP*	H150-1500	LW1500
	ICP-MS*	H150-2100	LW2100
	ICP-MS*	H150-3000	LW3000
	XRD - XRF*	H150-5000	LW5000
	XRD - XRF*	H150-7000	LW7000

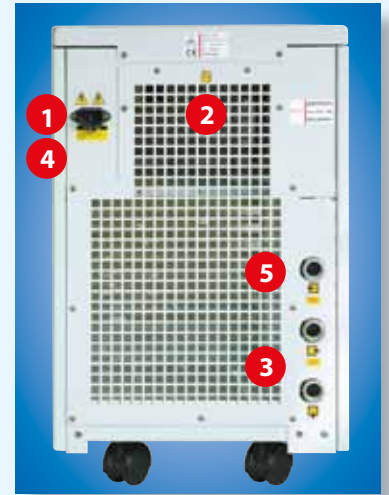
**To select the most suitable model of water chiller contact LabTech Srl*

WHEN AN INSTRUMENT HAS NOTHING TO HIDE....

Choose the performance,
durability,
safety of LabTech water chillers



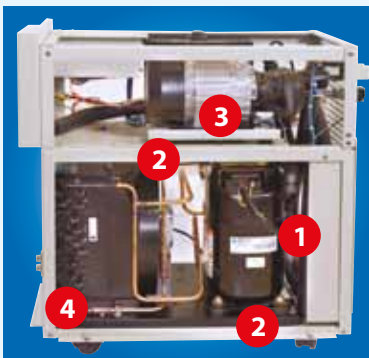
- 1 ON/OFF switch
- 2 P.I.D. temperature controller:
temperature stability $\pm 0,1^{\circ}\text{C}$
- 3 Pressure gauge
- 4 Liquid level indicator



- 1 Power socket IEC 320
- 2 Pump pressure relief valve
- 3 Supply-return connections
- 4 RS 232 port for PC connection
or remote control (optional)
- 5 Liquid tank drain



Heavy-Duty Casters



- 1 Compressor
- 2 Vibration insulation systems
- 3 Motor and pump
- 4 Condenser



- 1 Reservoir
- 2 Hot-gas bypass valve
- 3 ON/OFF valve

MODEL	H50-500	H150-1000	H150-1500	H150-2100
Temperature Range	-5°C ~ 35°C	8°C ~ 35°C	8°C ~ 35°C	8°C ~ 35°C
Temperature Stability	±0,3°C	±0,1°C	±0,1°C	±0,1°C
Temperature Control Mode	PID	PID	PID	PID
Cooling Capacity	500 Watts	1000 Watts	1500 Watts	2100 Watts
PUMP	Flux	4,5 l/min@10psi	6 l/min@60psi	13 l/min@60psi
	Power	60 Watts	135 Watts	545 Watts
Mode of Exchange Heat	BOARD	BOARD	BOARD	BOARD
Dimensions (L x W x H)mm	480x250x500	560x360x590	670x385x625	735x460x703
Weight	28 kg	55 kg	78 kg	92 kg
CE MARKING	yes	yes	yes	yes

MODEL	H150-3000	H150-5000	H150-7000	
Temperature Range	8°C ~ 35°C	8°C ~ 35°C	8°C ~ 35°C	
Temperature Stability	±0,1°C	±0,2°C	±0,2°C	
Temperature Control Mode	PID	PID	PID	
Cooling Capacity	3000 Watts	5000 Watts	7000 Watts	
PUMP	Flux	13 l/min@60psi	16,5 l/min@60psi	
	Power	545 Watts	545 Watts	545 Watts
Mode of Exchange Heat	BOARD	BOARD	BOARD	
Dimensions (L x W x H)mm	735x460x703	690x640x1100	690x640x1100	
Weight	92 kg	170 kg	170 kg	
CE MARKING	yes	yes	yes	

Water Chiller 002-2012

Labtech is available to support you for any unit customization needs in cooling solutions



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IN YOUR COUNTRY:

