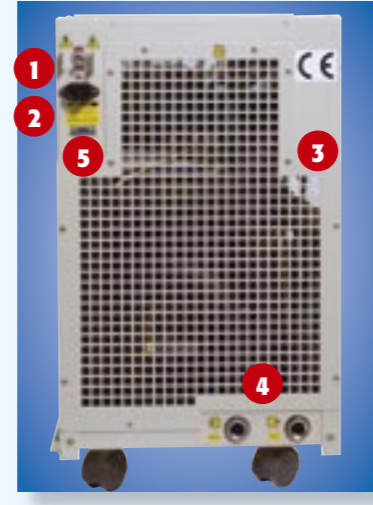


WHEN AN INSTRUMENT HAS NOTHING TO HIDE....

Choose the performance, durability, safety of LabTech water chillers



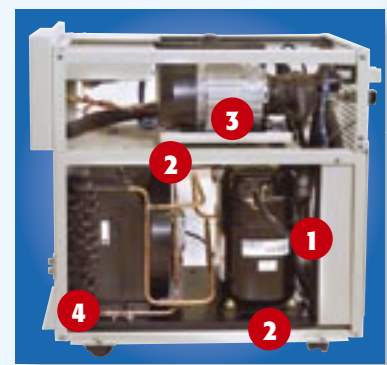
- 1 P.I.D. temperature controller: temperature stability $\pm 0,1^{\circ}\text{C}$
- 2 Pressure gauge
- 3 Liquid level indicator



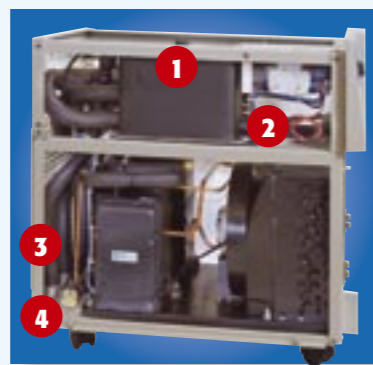
- 1 ON/OFF switch
- 2 Power socket IEC 320
- 3 Pump pressure relief valve
- 4 Inlet-outlet connections
- 5 RS 232 port for PC connection (optional)



Heavy-Duty Casters



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



- 1 Reservoir
- 2 Spare temperature sensor
- 3 Hot-gas bypass valve
- 4 ON/OFF valve

COOL SOLUTIONS

Technical specifications

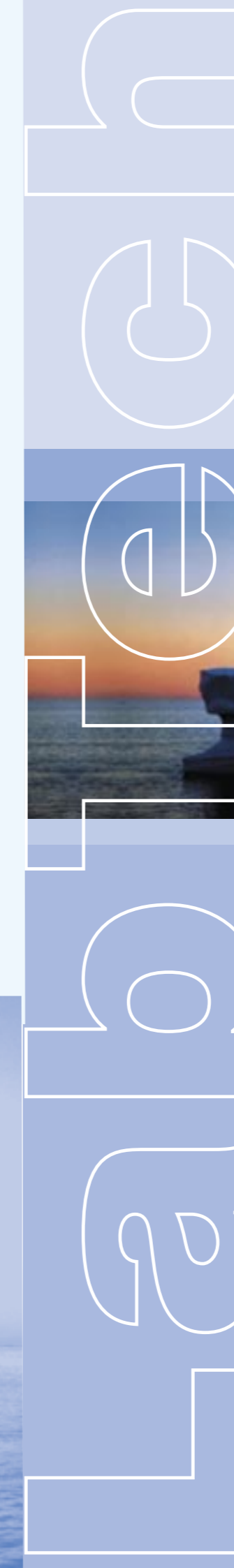
MODEL	H50-350	H50-500	H150-1000	H150-1500	H150-2100
Temperature Range	5°C ~ 35°C	5°C ~ 35°C	8°C ~ 35°C	8°C ~ 35°C	8°C ~ 35°C
Temperature Stability	$\pm 0,3^{\circ}\text{C}$	$\pm 0,3^{\circ}\text{C}$	$\pm 0,1^{\circ}\text{C}$	$\pm 0,1^{\circ}\text{C}$	$\pm 0,1^{\circ}\text{C}$
Temperature Control Mode	PID	PID	PID	PID	PID
Cooling Capacity	350 Watts	500 Watts	1000 Watts	1500 Watts	2100 Watts
Model	UPA-90	UPA-90	PO-1	PO-1	PO-2
PUMP Flux	4,5 l/min@10psi	4,5 l/min@10psi	6,4 l/min@60psi	6,4 l/min@60psi	12,1 l/min@60psi
Power	60 Watts	60 Watts	135 Watts	545 Watts	545 Watts
Mode of Exchange Heat	BOARD	BOARD	BOARD	BOARD	BOARD
Dimensions (L x W x H)mm	210x490x490	210x490x490	526x360x555	635x384x625	390x650x620
Weight	25 kg	25 kg	58 kg	76 kg	95 kg
CE MARKING	yes	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	$\pm 0,1^{\circ}\text{C}$	$\pm 0,2^{\circ}\text{C}$	$\pm 0,2^{\circ}\text{C}$
Temperature Control Mode	PID	PID	PID
Cooling Capacity	3000 Watts	5000 Watts	9000 Watts
Model	PO-2	PO-3	PO-3
PUMP Flux	12,1 l/min@60psi	17,1 l/min@60psi	17,1 l/min@60psi
Power	545 Watts	545 Watts	545 Watts
Mode of Exchange Heat	BOARD	BOARD	BOARD
Dimensions (L x W x H)mm	460x700x710	750x460x680	750x460x680
Weight	95 kg	220 kg	230 kg
CE MARKING	yes	yes	yes

Water Chiller/FO/03/06

COOL SOLUTIONS

from **LabTech**



HIGH PERFORMANCE WATER CHILLER LINE

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

LabTech

LabTech srl
Via Fatebenefratelli 1/5
24010 Sorisole (BG) Italy
Tel.: +39 035 576614
Fax: +39 035 4729414
E-mail: marketing@labtechsrl.com
www.labtechsrl.com

IN YOUR COUNTRY:

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.

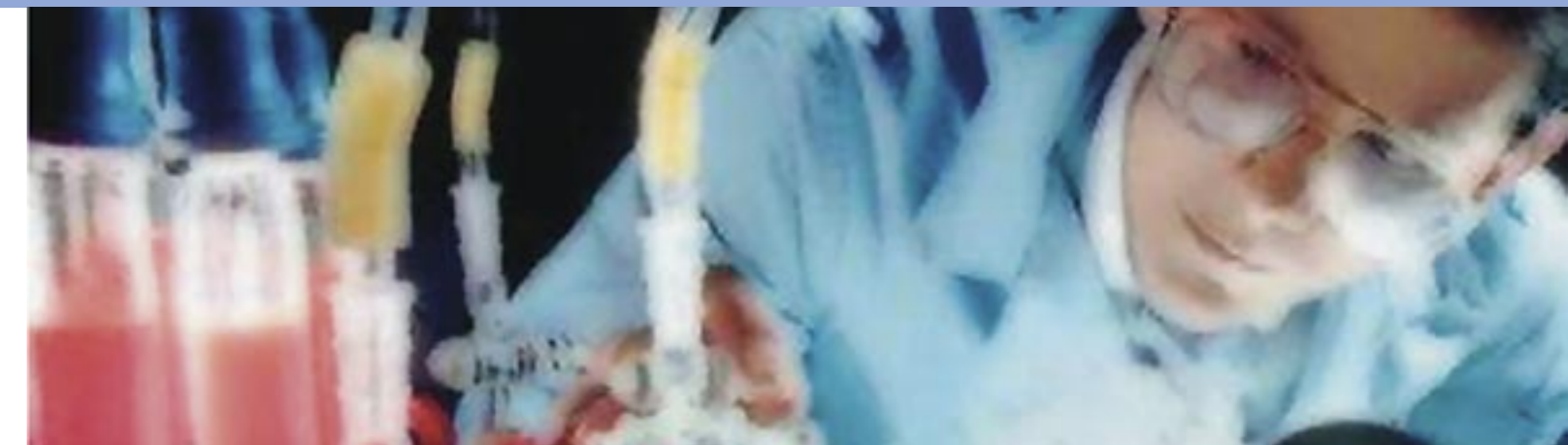
LabTech offers a complete line of recirculating water chillers to match all laboratory needs. LabTech's state-of-the-art water chillers ensure accurate and constant cooling conditions for your instrumentation in the harsh environment of the laboratory.



7

Good Reasons to Select LabTech Advanced Water Chillers

LABTECH COOL SOLUTIONS FOR ALL APPLICATIONS



APPLICATIONS OF LABTECH WATER CHILLERS



- AAS
- ICP-OES
- ICP-MS
- XRF
- XRD
- ROTARY EVAPORATORS
- DISTILLATION
- DIFFUSION PUMPS
- SPUTTERING SYSTEMS
- LASERS
- VACUUM SYSTEMS
- ELECTRON MICROSCOPY



- 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**

	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 (All brands)	H150-5000	LW5000
	XRF (All brands)	H150-7000	LW7000

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