

LASER & INDUSTRIAL COOLERS AND CHILLERS

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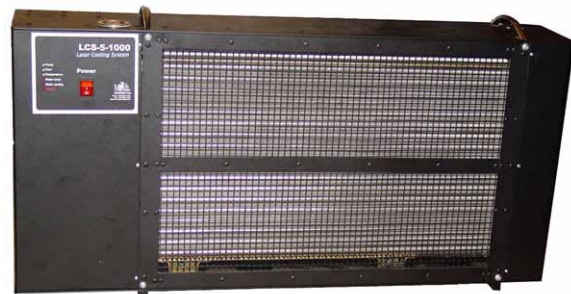
MULTITECH Ltd.

LCS-5-1000
LCS-16-1000
LCS-25-1000

Passive Single-Circuit Laser Cooling Systems Series



- ▶ MICROPROCESSOR CONTROL
- ▶ RS-232 PORT FOR REMOTE CONTROL
- ▶ AUTOMATIC TEMPERATURE CONTROL
- ▶ LIQUID FLOW CONTROL
- ▶ SINGLE-CIRCUIT WATER-AIR HEAT EXCHANGER
- ▶ LED INDICATION



SPECIFICATIONS

(LCS-25-1000/LCS-16-1000/LCS-5-1000):

Maximal Liquid Flow Rate, l/min	4.5/6/25
Thermal Liquid-Ambient Resistance, K/kW	25/16/6
Maximal Power Consumption, W	75/100/320
Input Voltage	220 VAC 50/60 Hz, 27 VDC (Optional)
Size, mm	124x312x260/ 182x315x260/ 480x220x890
Net Weight, kg	12/15/25

LCS is a single-circuit cooling system with immediate intensive heat dumping into ambient air through passive heat-exchanger. Microprocessor controls liquid temperature, level and flow rate, operating with fans and opening interlock loops if necessary. The effective LCS coolers can be used in laser technique, electronics and other equipment with high energy consumption.

LCS-25/4ww

Passive Double-Circuit Laser Cooling Systems Series



- ▶ MICROPROCESSOR CONTROL
- ▶ RS-232 PORT FOR REMOTE CONTROL
- ▶ AUTOMATIC TEMPERATURE CONTROL
- ▶ LIQUID FLOW CONTROL
- ▶ DOUBLE-CIRCUIT WATER-WATER HEAT EXCHANGER
- ▶ LED INDICATION

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LASERS, ELECTRONICS & TECHNOLOGY

LCS-25/4 ww SPECIFICATIONS*:

Input Voltage	220 VAC 50/60 Hz
Maximal Power Consumption	150 W
Water Pressure, maximal	3.7 m
Water Pressure, typical	3.0 m
Flow Rate, maximal	50 l/min
Flow Rate, typical	25 l/min
Size	19" 3 unit rack
Weight	8 kg

* Pump specifications subject to change

TECS-100
TECS-200

- ▶ MICROPROCESSOR CONTROL
- ▶ RS-232 PORT FOR REMOTE CONTROL
- ▶ AUTOMATIC TEMPERATURE CONTROL
- ▶ LIQUID FLOW CONTROL
- ▶ ACTIVE THERMOELECTRIC WATER-WATER HEAT EXCHANGER
- ▶ LED INDICATION



**Active Thermo-Electric
Double-Circuit Chiller Series**

SPECIFICATIONS*:

Input Voltage	220 VAC 50/60 Hz
Maximal Power Consumption	400 W
Water Pressure, maximal	2.0 m (40 m)**
Water Pressure, typical	1.2 m (30 m)**
Thermostatting	0.1°C
Flow Rate, maximal	85 l/min (1.5 l/min)**
Flow Rate, typical	50 l/min (2.5 l/min)**
Dissipated Power by Heat-exchanger	100, 200 W
Size	19" 3 unit rack
Net Weight	10 kg

* Specifications subject to change

** High-pressure pump specifications

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