Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

MRC150,DH2,DV
Re-circulating Chiller



The MRC Series is a bench top re-circulating chiller that offers dependable, compact performance by controlling the temperature of a coolant in a liquid circuit. The coolant is re-circulated using a pump with high MTBF. Heat from coolant is absorbed by a heat exchanger and dissipated thru high density heat sinks equipped with brand name fans. The thermoelectric modules are custom designed to achieve long life operation. The unit is regulated with an easy to use digital temperature controller and is housed inside an aesthetic sheet metal casing. Custom configurations are available, however, MOQ applies.

FEATURES

- Compact Design
- Precise Temperature Control
- Reliable Solid State Operation
- Low Noise
- RoHS Compliant

APPLICATIONS

- Medical Imaging Systems
- Medical Lasers
- Photonics Laser Systems
- Industrial Instrumentation
- Laboratory Testing

Specifications	
Cooling capacity[1]	149 Watts
Input voltage	115 to 230 VAC
Operating environment temperature range[2]	4.4°C to 45°C (40°F to 113°F)
Control temperature range using distilled H_2O as coolant, °C (°F) [3]	2°C to 40°C (35°F to 104°F)
Control temperature range using 70% distilled H_2O and 30% glycol as coolant [2]	-12°C to 40°C (10.4°F to 104°F)
Controller accuracy	±0.16°C
Current, 115VAC (230VAC)	4.7 (2.4) Amps
Input power	294 Watts
Frequency	50/60 Hz
Dimensions, (h x w x d)	30.4 x 19.5 x 35.1 cm (12.0 x 7.7 x 13.8) in
Weight	10.9 kgs (24 lbs)
Maximum flow rate	2.9 lpm (0.76 gpm)
Fluid capacity	250 mL (8.4 oz)
UL Rating	UL61010-1/IEC61010-1

[1] Capacity rating is given at a temperature of 25°C (77°F) for the ambient air and exiting fluid.

[2] For ambient conditions outside this range, please contact Laird Technologies.

[3] For temperature settings below 5°C, an appropriate coolant must be used.

global solutions: local support™

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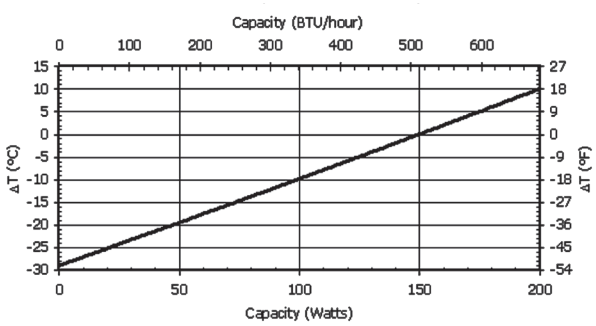
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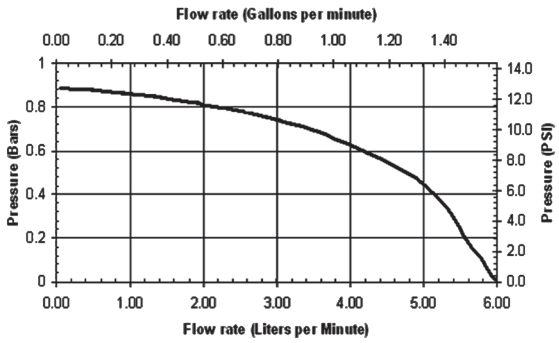
Performance Curves

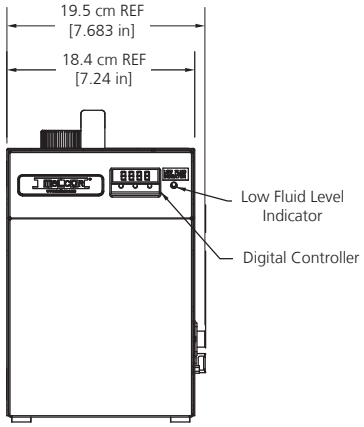
Thermal Capacity

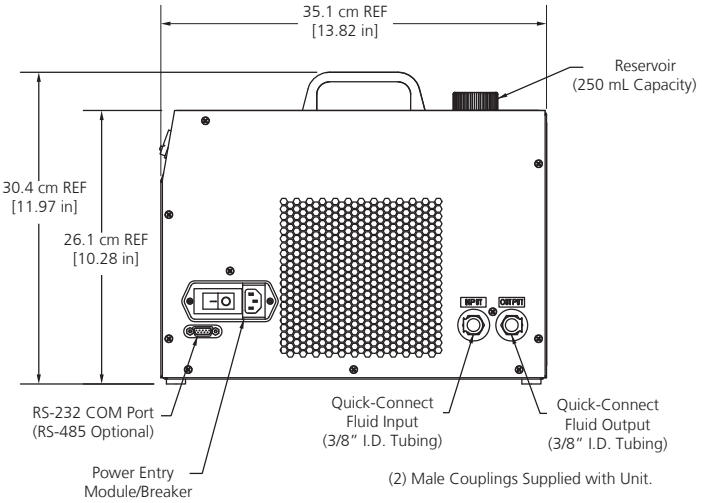
ΔT = Outlet Fluid Temperature - Ambient Temperature



Pumping Capacity







(2) Male Couplings Supplied with Unit.

Model Nomenclature

M R C 150 , ____ , __ , DV

- **150** — Capacity (Watts)
- **C** — Chiller
- **R** — Recirculating
- **DV** — Digital Controller, accuracy ± 0.16°C
- **DH2** = with RS232 serial communication
- **DH4** = with RS485 serial communication
- **HT** = Heating Option

Notes

1. Use distilled water as coolant for control temperatures above 5°C.
2. To prevent freezing, use coolant with 70% distilled water and 30% pure ethylene glycol mix for control temperatures at or below 5°C.
3. For alternate coolants please contact Laird Technologies.
4. Unit comes with a 115 VAC North American cord and a 230 VAC European cord.

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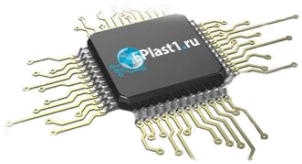
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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