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TECHNOLOGY GROUP

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Find the *Lauda RM6-S* at our website: ***Click HERE***

*Circulating Baths*

# Lauda® RM Refrigerating Circulators



The RM Series of refrigerating circulators provides precise temperature control and maximum cooling capacity to closed-loop systems. Compact Model RM6 features a 6L bath reservoir and a cooling capacity of 440 watts (1500BTU/hr at 20°C) in a narrow 7.9-inch width. Both RM6 models are supplied with a stainless steel bath cover.

Model RM20 provides 475 watts (1620 BTU/hr at 20°C) cooling capacity and a large 20L stainless steel reservoir for immersion applications. An 11.8 x 13.8-inch work area can easily accommodate large flasks and test tube racks. All RM models are supplied with a convenient bath drain and sturdy carrying handles. Bath liquid contacts only stainless steel.

**Energy-saving temperature control.**

Proportional Integral Differential (PID) temperature control saves energy by adjusting the 1000-watt heater power to correspond with effective demand, and compensates for temperature drift to achieve the highest level of accuracy.

**CFC-free cooling system.**

Below 40°C, the refrigeration system operates continuously. Above 40°C the compressor can be shut off manually for more efficient heating. All Lauda RM models use R-134a, an environmentally safe, CFC-free refrigerant.

**Controller choices.**

To meet most application needs, RM Refrigerating Circulators are offered with a choice of controllers.




**B Controller**

Unique combination of reliability and affordability.

- Temperature range from -20 to 120°C
- Control accuracy to ±0.02°C
- High-resolution LCD display of actual/set temperature
- Adjustable over-temperature/low-liquid-level shutoff with visual indicator

All RM-B models are supplied with a low-pressure pump for circulation to closed external systems. A 9L/min flow rate is ideal for circulation to fragile, sensitive equipment.

**S Controller**




Sophisticated control and superior quality.

- Temperature range from -20 to 150°C
- Control accuracy to ±0.01°C
- Bright, easy-to-read LED display of actual/set temperature
- Adjustable over-temperature shutoff with visual indicator
- Independent, low-liquid-level shutoff
- 10mV/°C multifunction input/output

RM-S models have a high output pressure pump of 13L/min for closed-loop systems that need fast heat removal or for applications requiring greater pressure, e.g. smaller diameter tubing.

**Computer control and monitoring.**

A 9-pin multifunction input/output connector with a 10mV/°C signal allows monitoring of temperature stability via chart recorder or linear temperature changes using a Lauda programming accessory .

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**Applications**

- Distillation condensers
- Electrophoresis systems
- Invar stabilized lasers
- Refractometers
- Spectrophotometers

**Accessories**

- Bath liquids
- Insulated tubing
- RS-232 interface, Model R-61/2
- Stainless steel bath covers
- Tube racks

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## Ordering Information and Quick Specs

| Model | Catalog No. | Operating Range (°C) | Control Accuracy (°C) | Cooling Capacity (watts at 20°C) | Reservoir Capacity (L) | List Price |
|---|---|---|---|---|---|---|
| RM6-B | 27-80 520-5 | -20 to 120 | ±0.02 | 440 | 6 | $2,595.00 |
| RM6-S | 27 80 540-0 | -20 to 150 | ±0.01 | 440 | 6 | 3,645.00 |
| RM20-B | 27 80 560-4 | -20 to 120 | ±0.02 | 475 | 20 | 3,780.00 |
| RM20-S | 27 80 580-9 | -20 to 150 | ±0.01 | 475 | 20 | 4,770.00 |

Prices are subject to change without notice.

*Order from your laboratory supply distributor*

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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