

with the range of PolyScience benchtop chillers from Rowe Scientific.

Rowe Scientific is your 'one stop shop' supply partner for your laboratory.

Keeping your cool...

PolyScience Benchtop Chillers

These powerful, low-temperature chillers are well matched for use with rotary evaporators, vacuum systems, spectrometers, and other analytical equipment. They also are available with a mobile cart accessory for convenient placement under a bench.

Features

- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 35°C
- Low flow shut-off and alarm, high and low temperature alarms
- Front mounted fluid level gauge
- Simple setup, operation, and maintenance
- Choice of pumps

Select from the LS Series, LM Series, MM Series or the range of Polyscience additives and coolants. NB: Other models available upon request.



For accuracy and professionalism

A 100% Australian owned company supplying scientific laboratories throughout Australia and overseas since 1987.

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Benchtop Chillers - LS Series -20° to +40°C

Key Specifications

Working Temperature: -20° to +40°C
 Temperature Stability: ±0.1°C
 Cooling Capacity: Up to 1290 watts @ 20°C

Features

- Optimized for high performance at low temperatures
- Capable of cooling multiple rotary evaporators
- WhisperCool® Environmental Control System
- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 35°C
- Low flow shutoff and alarm, high and low temperature alarms
- Simple setup, operation, and maintenance
- Centrifugal or turbine pump
- Fluid level indicator
- RS232 communication and external water filter optional



| Specifications | LS Series Chiller, Turbine Pump | LS Series Chiller, Centrifugal Pump | LS Series Chiller, Centrifugal Pump |
|----------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| Working Temperature Range | -20° to 40° C | -20° to 40° C | -20° to 40° C |
| Temperature Stability | ±0.1° C | ±0.1° C | ±0.1° C |
| Pump Type | Turbine | Centrifugal | Centrifugal |
| Cooling Capacity @ -20°C | 150 W (60Hz)/140 W (50Hz) | 230 W (60Hz)/230 W (50Hz) | 260 W (60Hz)/240 W (50Hz) |
| Cooling Capacity @ -10°C | 345 W (60Hz)/330 W (50Hz) | 435 W (60Hz)/435 W (50Hz) | 475 W (60Hz)/460 W (50Hz) |
| Cooling Capacity @ 0°C | 540 W (60Hz)/500 W (50Hz) | 680 W (60Hz)/680 W (50Hz) | 750 W (60Hz)/700 W (50Hz) |
| Cooling Capacity @ +10°C | 790 W (60Hz)/750 W (50Hz) | 1030 W (60Hz)/1030 W (50Hz) | 1130 W (60Hz)/1070 W (50Hz) |
| Cooling Capacity @ +20°C | 900 W (60Hz)/830 W (50Hz) | 1160 W (60Hz)/1160 W (50Hz) | 1290 W (60Hz)/1190 W (50Hz) |
| Cooling Capacity @ +30°C | 1020 W (60Hz)/990 W (50Hz) | 1380 W (60Hz)/1380 W (50Hz) | 1460 W (60Hz)/1420 W (50Hz) |
| Cooling Capacity @ +40°C | 1140 W (60Hz)/1105 W (50Hz) | 1550 W (60Hz)/1545 W (50Hz) | 1610 W (60Hz)/1580 W (50Hz) |
| Maximum Pressure | 43.40 psi (60Hz)/32.00 psi (50Hz) | 9.00 psi (60Hz)/5.50 psi (50Hz) | 14.50 psi (60Hz)/10.50 psi (50Hz) |
| Maximum Pressure Flow Rate | 2.60 gpm (60Hz)/2.20 gpm (50Hz) | 3.90 gpm (60Hz)/3.40 gpm (50Hz) | 3.50 gpm (60Hz)/3.10 gpm (50Hz) |
| 60Hz Part Number | LS51TX1A110C | LS51M11A110C | LS51MX1A110C |
| 50Hz Part Number | LS52TY1A110E | LS52M21A110E | LS52MY1A110E |

Benchtop Chillers - LM Series -10° to +30°C

Key Specifications

Working Temperature: -10° to +30°C
 Temperature Stability: ±0.1°C
 Cooling Capacity: Up to 560 watts @ 20°C

Features

- Optimized for performance at low temperatures
- Ideal for benchtop rotary evaporators
- Large, easy to read LED display
- Space-saving design
- Cooling at ambient temperatures as high as 35°C
- Low flow shutoff and alarm, high and low temperature alarms
- Simple setup, operation, and maintenance
- Choice of two different centrifugal pumps
- Fluid level indicator
- RS232 communication and external water filter optional



| Specifications | LM Series Chiller, Centrifugal Pump | LM Series Chiller, Centrifugal Pump |
|----------------------------|-------------------------------------|-------------------------------------|
| Working Temperature Range | -10° to 30° C | -10° to 30° C |
| Temperature Stability | ±0.1° C | ±0.1° C |
| Pump Type | Centrifugal | Centrifugal |
| Cooling Capacity @ -10°C | 170 W (60Hz)/110 W (50Hz) | 230 W (60Hz)/140 W (50Hz) |
| Cooling Capacity @ 0°C | 250 W (60Hz)/170 W (50Hz) | 350 W (60Hz)/250 W (50Hz) |
| Cooling Capacity @ +10°C | 340 W (60Hz)/280 W (50Hz) | 470 W (60Hz)/390 W (50Hz) |
| Cooling Capacity @ +20°C | 420 W (60Hz)/390 W (50Hz) | 560 W (60Hz)/520 W (50Hz) |
| Cooling Capacity @ +30°C | 540 W (60Hz)/500 W (50Hz) | 650 W (60Hz)/600 W (50Hz) |
| Maximum Pressure | 14.50 psi (60Hz)/12.50 psi (50Hz) | 5.10 psi (60Hz)/4.40 psi (50Hz) |
| Maximum Pressure Flow Rate | 3.50 gpm (60Hz)/3.00 gpm (50Hz) | 2.10 gpm (60Hz)/1.80 gpm (50Hz) |
| 60Hz Part Number | LM61MX1A110C | LM61GX1A110C |
| 50Hz Part Number | LM62MY1A110E | LM62GY1A110E |

Benchtop Chillers - MM Series -5° to +50°C

Key Specifications

Working Temperature: -5° to +50°C
 Temperature Stability: ±0.1°C
 Cooling Capacity: Up to 460 watts @ 20°C

Features

- Precise and stable temperature control at low temperatures
- Large, easy to read LED display
- Space-saving, benchtop design
- Cooling at ambient temperatures as high as 35°C
- Low flow shutoff and alarm, high and low temperature alarms
- Simple setup, operation, and maintenance
- Choice of two different centrifugal pumps
- Fluid level indicator
- RS232 communication and external water filter optional



| Specifications | MM Series Chiller, Centrifugal Pump | MM Series Chiller, Centrifugal Pump |
|----------------------------|-------------------------------------|-------------------------------------|
| Working Temperature Range | -5° to 50° C | -5° to 50° C |
| Temperature Stability | ±0.1° C | ±0.1° C |
| Pump Type | Centrifugal | Centrifugal |
| Cooling Capacity @ -05°C | 115 W (60Hz)/105 W (50Hz) | 130 W (60Hz)/115 W (50Hz) |
| Cooling Capacity @ 0°C | 195 W (60Hz)/175 W (50Hz) | 215 W (60Hz)/190 W (50Hz) |
| Cooling Capacity @ +10°C | 305 W (60Hz)/270 W (50Hz) | 320 W (60Hz)/290 W (50Hz) |
| Cooling Capacity @ +20°C | 435 W (60Hz)/390 W (50Hz) | 460 W (60Hz)/410 W (50Hz) |
| Cooling Capacity @ +30°C | 465 W (60Hz)/420 W (50Hz) | 490 W (60Hz)/440 W (50Hz) |
| Cooling Capacity @ +40°C | 505 W (60Hz)/450 W (50Hz) | 520 W (60Hz)/470 W (50Hz) |
| Cooling Capacity @ +50°C | 535 W (60Hz)/480 W (50Hz) | 550 W (60Hz)/495 W (50Hz) |
| Maximum Pressure | 14.50 psi (60Hz)/12.50 psi (50Hz) | 5.10 psi (60Hz)/4.40 psi (50Hz) |
| Maximum Pressure Flow Rate | 3.50 gpm (60Hz)/3.00 gpm (50Hz) | 2.10 gpm (60Hz)/1.80 gpm (50Hz) |
| 60Hz Part Number | MM71MX1A110C | MM71GX1A110C |
| 50Hz Part Number | MM72MY1A110E | MM72GY1A110E |