

7 Liter Low Profile Refrigerated Circulator, -20°C



MX7LR-20

Key Specifications

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| Description | -20, 7 L Low Ref. Circulator |
| Controller Type | MX |
| Display | 3.25" LCD |
| Working Temperature Range °C | -20° to 135° |
| Temperature Stability °C | ±0.07° |
| Temperature Calibration Capability | 1-point |
| Working Access (L x W x D) (cm) | 15.7 x 14.2 x 12.7 cm |
| Pump Type | Pressure |
| Flammability Class (DIN 12876-1) | I (NFL) |
| Electrical Plug Options | Part numbers listed are Standard U.S. and European types. Country specific plug types available . Contact your regional distributor to order . |

Key Features

MX Controller

Key Features

- Large, universal icon and English display
- On-screen prompts
- Single-point calibration capability

Common Specifications

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|---|------------------------|
| Working Temperature Range °F | -4° to 275° |
| Working Temperature Range °C | -20° to 135° |
| Nominal Cooling Capacity @ +20C (W) | 200 |
| Reservoir Capacity (gallons) | 1.85 |
| Reservoir Capacity (liters) | 7 |
| Reservoir/Tank Material | Stainless Steel |
| Reservoir Cover | Included |
| DuraTop | Yes |
| LidDock | Yes |
| Cleanable Air Filter | Yes |
| Working Access (L x W x D) (inches) | 6.18 x 5.59 x 5 in |
| Working Access (L x W x D) (cm) | 15.7 x 14.2 x 12.7 cm |
| Temperature Stability °F | ±0.13° |
| Temperature Stability °C | ±0.07° |
| Display | 3.25" LCD |
| Display Resolution (Set) | 0.1 |
| Display Resolution (Read) | 0.1 |
| Pump Type | Pressure |
| Pump Speed | One |
| Process Connections | 1/2" O.D. Barbed Tubes |
| Flammability Class (DIN 12876-1) | I (NFL) |
| Over-Temperature Protection / Failsafe Heater Control | Yes |
| Low Liquid Level Protection | Yes |
| Reservoir Drain | Yes |
| Maximum Ambient Temperature °F | 95° |
| Maximum Ambient Temperature °C | 35° |

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|---|-----------------------|
| Overall Dimensions (L x W x H) (inches) | 23.2 x 16.2 x 17.3 in |
| Overall Dimensions (L x W x H) (cm) | 58.9 x 41.1 x 43.9 cm |
| Refrigerant | R134a |
| Environmental Compliance | RoHS, WEEE |
| Shipping Weight (pounds) | 84.0 |
| Shipping Weight (kilograms) | 38.1 |
| Catalog Page Number | 44-45 |

60 Hz Only

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|---------------------------------------|---------------------------------------|
| Part Number | MX7LR-20-A11B |
| Maximum Pressure (psi) | 2.3 |
| Maximum Pressure (bar) | 0.16 |
| Maximum Pressure Flow Rate (gpm) | 3.60 |
| Maximum Pressure Flow Rate (l/min) | 13.5 |
| Cooling Capacity @ -20°C (W) | 30 |
| Cooling Capacity @ 0°C (W) | 120 |
| Cooling Capacity @ +20°C (W) | 200 |
| Cooling Capacity @ +100°C (W) | 200 |
| Included Hardware | Fitting Kit for External Applications |
| Heater Wattage | 1100 |
| Electrical Requirements (VAC/Hz/Ph/A) | 120/60/1/12 |
| Regulatory Approvals | ETL |

50 Hz Only

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|------------------------------------|---------------|
| Part Number | MX7LR-20-A12E |
| Maximum Pressure (psi) | 1.8 |
| Maximum Pressure (bar) | 0.12 |
| Maximum Pressure Flow Rate (gpm) | 3.10 |
| Maximum Pressure Flow Rate (l/min) | 11.9 |
| Cooling Capacity @ -20°C (W) | 30 |
| Cooling Capacity @ 0°C (W) | 120 |
| Cooling Capacity @ +20°C (W) | 200 |

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|--|---------------------------------------|
| Cooling Capacity @ +100°C (W) | 200 |
| Included Hardware | Fitting Kit for External Applications |
| Heater Wattage | 1100 |
| Electrical Requirements (VAC/Hz/Ph/A) | 240/50/1/8 |
| Regulatory Approvals | CE |

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