

# Technical Information

## Performance Specifications

|                              |                                  |                    |
|------------------------------|----------------------------------|--------------------|
| Operating Temperature Range: | Model dependent; see table below |                    |
| Temperature Stability:       | ±0.07C (±0.13°F)                 |                    |
| Pump Type:                   | 1-speed pressure                 |                    |
|                              | <u>60Hz models</u>               | <u>50Hz models</u> |
| Maximum Pressure:            | 2.3 psi (0.16 bar)               | 1.8 psi (0.12 bar) |
| Maximum Pressure Flow Rate:  | 3.6 gpm (13.5 lpm)               | 3.1 gpm (11.9 lpm) |
| Heater Wattage:              | 1100 watts                       | 1100 watts         |

| Model Type                              | Reservoir Capacity | Temperature Range  | Electrical Requirements |                 |
|---|--------------------|--|-------------------------|-----------------|
|   |                    |  | 60Hz Units              | 50Hz Units      |
| MX07R-20 Refrigerating / Heating Bath   | 7 liters           | -20° to 135°C<br>-4° to 275°F                                | 120V, 60Hz, 12A         | 240V, 50Hz, 8A  |
| MX7LR-20 Refrigerating / Heating Bath   | 7 liters           | -20° to 135°C<br>-4° to 275°F                                | 120V, 60Hz, 12A         | 240V, 50Hz, 8A  |
| MX15R-30 Refrigerating / Heating Bath   | 15 liters          | -30° to 135°C<br>-22° to 275°F                               | 120V, 60Hz, 13A         | 240V, 50Hz, 10A |
| MX20R-30 Refrigerating / Heating Bath   | 20 liters          | -30° to 135°C<br>-22° to 275°F                               | 120V, 60Hz, 13A         | 240V, 50Hz, 10A |
| MX07H135 Heating Only Bath              | 7 liters           | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX15H135 Heating Only Bath              | 15 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX20H135 Heating Only Bath              | 20 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX06S135 Stainless Steel Open Tank Bath | 6 liters           | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX10S135 Stainless Steel Open Tank Bath | 10 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX20S135 Stainless Steel Open Tank Bath | 20 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX28S135 Stainless Steel Open Tank Bath | 28 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F               | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX08P100 Polycarbonate Open Tank Bath   | 8 liters           | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX11P100 Polycarbonate Open Tank Bath   | 11 liters          | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX14P100 Polycarbonate Open Tank Bath   | 14 liters          | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX17P100 Polycarbonate Open Tank Bath   | 17 liters          | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX23P100 Polycarbonate Open Tank Bath   | 23 liters          | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |
| MX28P100 Polycarbonate Open Tank Bath   | 28 liters          | Ambient +10° to 85°C<br>Ambient +20° to 185°F <sup>(1)</sup> | 120V, 60Hz, 10A         | 240V, 50Hz, 6A  |

| Model Type                    | Reservoir Capacity | Temperature Range                              | Electrical Requirements |                |
|-------------------------------|--------------------|--|-------------------------|----------------|
|                               |                    |  | 60Hz Units              | 50Hz Units     |
| MX17VB6G Glass Viscosity Bath | 17 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F | 120V, 60Hz, 10A         | 240V, 50Hz, 6A |
| MX27VB6G Glass Viscosity Bath | 27 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F | 120V, 60Hz, 10A         | 240V, 50Hz, 6A |
| MX28C135 Coliform Bath        | 28 liters          | Ambient +10° to 135°C<br>Ambient +20° to 275°F | 120V, 60Hz, 10A         | 240V, 50Hz, 6A |

1. Maximum operating temperature for polycarbonate tank; MX Controller is capable of higher temperatures.

|                          |   |
|--------------------------|---|
| Environmental Conditions | Indoor use only                             |
|                          | Maximum Altitude: 2000 meter                |
|                          | Operating Ambient: 5° to 35°C (41° to 95°F) |
|                          | Relative Humidity: 80%, non-condensing      |
|                          | Installation Category: II                   |
|                          | Pollution Degree: 2                         |
|                          | Ingress Protection: IP 31                   |
|                          | Climate Class: SN                           |
|                          | Software Class: B                           |
|                          | Output Waveform: Sinusoidal                 |

Specifications subject to change without notice.