

## 28 Liter Polycarbonate Open Bath System



MX28P100

### Key Specifications

|                                    |                       |
|------------------------------------|-----------------------|
| Description                        | 28 L Open Bath System |
| Controller Type                    | MX                    |
| Display                            | 3.25" LCD             |
| Languages Supported                | English               |
| Working Temperature Range °C       | Ambient +10° to 85°   |
| Temperature Stability °C           | ±0.07°                |
| Temperature Calibration Capability | 1-point               |
| Working Access (L x W x D) (cm)    | 31.5 x 30.5 x 20.3 cm |
| Pump Type                          | Pressure              |
| Flammability Class (DIN 12876-1)   | I (NFL)               |

### Key Features

POLYCARBONATE OPEN BATHS

Features

- Advanced Programmable or MX Temperature Controller
- 8, 11, 14, 17, 23 or 28 liter reservoir
- Transparent polycarbonate reservoir lets you keep samples in clear view
- Elevated tank bottom provides secure hand holds when lifting or relocating bath, remains stable on uneven surfaces
- Controller bridge removes easily for tank cleaning, rests securely on reservoir top edge when in use
- Included bath cover reduces evaporation and improves temperature stability
- DuraTop™ chemical resistant bridge
- Lidded opening for optional cooling coil (17, 23 and 28 liter models)
- Drain port (17, 23 and 28 liter models)
- Complies with DIN 12876-1 Class I safety requirements for use with non-flammable liquids

Select a Controller

|                       | Advanced<br>Programmable (AP)   | MX                     |
|-----------------------|---|------------------------|
| Temperature Stability | ±0.01°C   | ±0.07°C                |
| Pump Type             | Pressure/Suction,<br>Variable-Speed                                     | Pressure Only, 1-Speed |
| Programmability       | Ten 100-step programs   | N/A                    |
| Connectivity          | USB A & B, Ethernet,<br>RS-232/RS-485,<br>External Temperature<br>Probe |                        |

Select a Reservoir

|                               | 8 Liter                                   | 11 Liter                               |
|-------------------------------|---|--|
| Maximum Temperature           | 85°C                                      | 85°C                                   |
| Working Access<br>(L x W x D) | 4.1 x 6.1 x 8 in<br>10.5 x 15.6 x 20.3 cm | 8.3 x 6.1 x 8 in<br>21 x 156 x 20.3 cm |

Common Specifications

|                              |                      |
|------------------------------|----------------------|
| Working Temperature Range °F | Ambient +20° to 185° |
| Working Temperature Range °C | Ambient +10° to 85°  |
| Reservoir Capacity (gallons) | 7.4                  |

|  |                        |
|--|------------------------|
| Reservoir Capacity (liters)                              | 28                     |
| Reservoir/Tank Material                                  | Polycarbonate          |
| Reservoir Cover  | Included               |
| DuraTop  | Yes                    |
| Working Access (L x W x D) (inches)                      | 12.4 x 12 x 8 in       |
| Working Access (L x W x D) (cm)                          | 31.5 x 30.5 x 20.3 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 /<br>Failsafe Heater Control | Yes                    |
| Low Liquid Level Protection                              | Yes                    |
| Reservoir Drain  | Yes                    |
| Cooling Coil   | Accessory              |
| Maximum Ambient Temperature °F                           | 95°                    |
| Maximum Ambient Temperature °C                           | 35°                    |
| Overall Dimensions (L x W x H)<br>(inches)               | 22.1 x 13.6 x 17.4 in  |
| Overall Dimensions (L x W x H) (cm)                      | 56.2 x 34.5 x 44.1 cm  |
| Environmental Compliance                                 | RoHS, WEEE             |
| Shipping Weight (pounds)                                 | 56.0                   |
| Shipping Weight (kilograms)                              | 25.4                   |
| Catalog Page Number                                      | 64-65                  |

## 60 Hz Only

|                                  |               |
|----------------------------------|---------------|
| Part Number                      | MX28P100-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                                  |
| Included Hardware                        | Fitting Kit for External Applications |
| Heater Wattage                           | 1100                                  |
| Electrical Requirements<br>(VAC/Hz/Ph/A) | 120/60/1/10                           |
| Regulatory Approvals                     | ETL                                   |

## 50 Hz Only

|  |                                       |
|--|---------------------------------------|
| Part Number                              | MX28P100-A12E                         |
| Maximum Pressure (psi)                   | 1.8                                   |
| Maximum Pressure (bar)                   | 0.12                                  |
| Maximum Pressure Flow Rate (gpm)         | 3.10                                  |
| Maximum Pressure Flow Rate<br>(l/min)    | 11.9                                  |
| Included Hardware                        | Fitting Kit for External Applications |
| Heater Wattage                           | 1100                                  |
| Electrical Requirements<br>(VAC/Hz/Ph/A) | 240/50/1/6                            |
| Regulatory Approvals                     | CE                                    |

© 2015 **PolyScience** 6600 W. Touhy Avenue, Niles, Illinois 60714-4516 USA

**Phone:** +1(847) 647-0611 or +1(800) 229-7569 **Fax:** +1(847) 647-1155

**Source URL (modified on 01/27/2018 - 09:48):** <https://www.polyscience.com/circulating-baths/28-liter-polycarbonate-open-bath-system>