

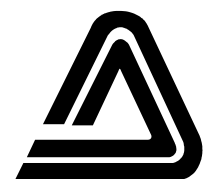
IWAKI

M
series

M Series - Chemical Process Pumps



**Non-Metallic, Sealless,
Corrosion Resistant, Leak Free**



M

series



MDM Series

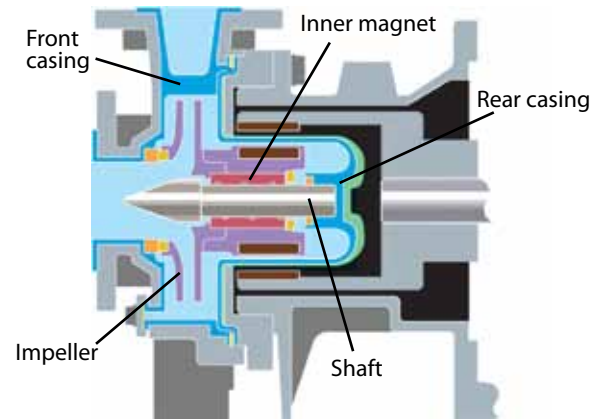
ANSI Dimensional for ease of installation

MDM Series is an ANSI dimensional pump with flow rates to 350 GPM and TDH to 360 feet. It is available in both ETFE Teflon® and virgin PFA for high purity applications. The MDM series options include an elevated temperature rating up to 302°F and solids handling up to 10%.

Robust ceramic/SiC shafts have front & rear support, eliminating shaft deflection and allowing full-curve operation

* ANSI dimensional

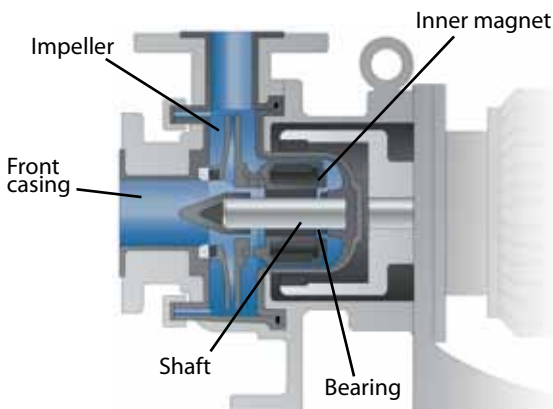
| Model | Connections Suction x Discharge 150# (inch) | Min Flow Rate (GPM) | Max. Head (ft) | Max. Capacity (GPM) | Motor HP |
|---------|---|------------------------------|----------------------|---------------------------|-------------------------|
| 1516* | 1½ x 1 | 5 | 120 | 60 | 2 / 3 |
| 1518* | 1½ x 1 | 5 | 178 | 70 | 5 / 7.5 / 10 |
| 1518-2* | 1½ x 1 | 13 | 360 | 120 | 7.5 / 10 / 15 / 20 / 25 |
| 2156 | 2 x 1½ | 13 | 131 | 150 | 5 / 7.5 / 10 |
| 2158 | 2 x 1½ | 13 | 343 | 160 | 7.5 / 10 / 15 / 20 / 25 |
| 2526 | 2½ x 2 | 13 | 162 | 250 | 5 / 7.5 / 10 |
| 326* | 3 x 2 | 13 | 262 | 350 | 7.5 / 10 / 15 / 20 / 25 |



MXM Series

Cost Effective, Sub ANSI Design for Lower Flow Applications

MXM Series is a compact, cost efficient option where applications fall below ANSI dimensional pumps. The MXM is rated to 160 GPM and TDH up to 146 feet. The MXM comes standard with corrosive resistant ETFE Teflon® internals, 150# ANSI flanges and a back pull-out design for easy maintenance.

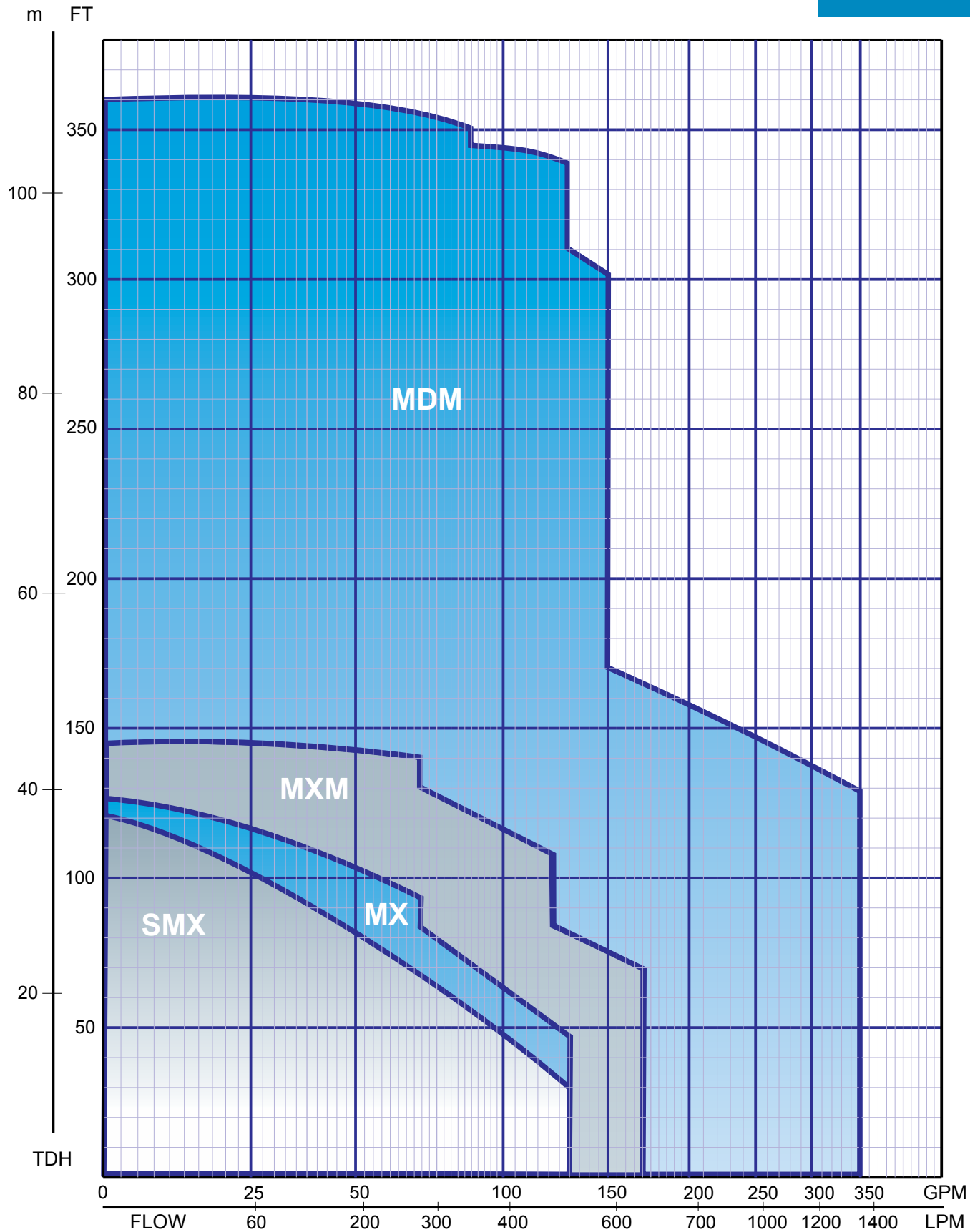


| Model | Connection Size Suction x Discharge | Min. Flow (GPM) | Max. Head (ft) | Max. Capacity (GPM) | Motor/Frame |
|---------|--|-----------------------|----------------------|---------------------------|----------------|
| MXM22-1 | 1" x 1" | 2.5 | 38 | 55 | ½ - 1 HP / 56C |
| MXM22-2 | | 2.5 | 65 | 55 | |
| MXM44-1 | 1½" x 1½" | 5.5 | 82 | 75 | 1 HP / 56C |
| MXM44-2 | | 5.5 | 97 | 72 | 2 HP / 145 TC |
| MXM54-2 | 2.0" x 1½" | 5.5 | 98 | 95 | 2 HP / 145 TC |
| MXM54-3 | | 5.5 | 128 | 95 | 3 HP / 182 TC |
| MXM54-5 | | 13.2 | 146 | 160 | 5 HP / 184 TC |

M

series

M Series Performance



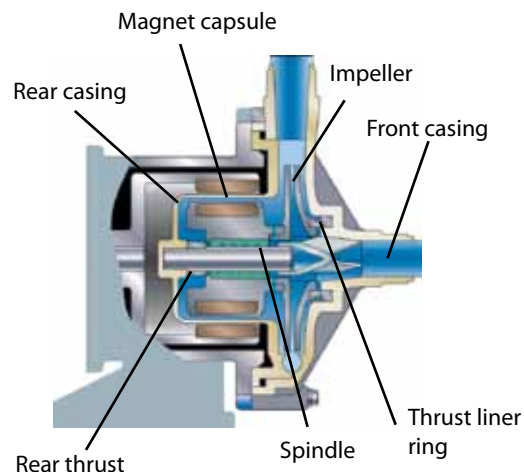
MX-(F) Series

High efficiency volute design for improved pump efficiencies

2-piece impeller/magnet design lowers parts costs

MX-(F)Series is available in both glass-filled reinforced polypropylene and ETFE Teflon®. It is rated to 130 GPM and TDH to 126 feet. Male by male NPT connections and NEMA-C-faced motors make the MX series incredibly easy to install and operate.

| MX Model | Suction x Discharge (NPT) | Max. Discharge Pressure (ft) | Max. Flow (GPM) | Motor Output @ 60 Hz (HP) | | |
|---------------|---------------------------|------------------------------|-----------------|---------------------------|-----|------|
| Polypropylene | 250 | 1" x 1" | 53 | 40 | 0.5 | |
| | 251 | 1" x 1" | 75 | 40 | 1.0 | |
| | 400 | 6 | 1.5" x 1.5" | 38 | 70 | 0.75 |
| | | 7 | 1.5" x 1.5" | 43 | 70 | 0.75 |
| | 401 | 6 | 1.5" x 1.5" | 59 | 80 | 1.5 |
| | | 7 | 1.5" x 1.5" | 68 | 80 | 1.5 |
| | 402 | 2 x 1.5" | 73 | 107 | 2 | |
| | 402H | 2 x 1.5" | 99 | 45 | 2 | |
| | 403 | 2 x 1.5" | 101 | 130 | 3 | |
| | 403H | 2 x 1.5" | 126 | 70 | 3 | |
| Teflon® | F250 | 1" x 1" | 48 | 43 | 0.5 | |
| | F251 | 1" x 1" | 69 | 40 | 1 | |
| | F400 | V | 1.5" x 1.5" | 43 | 65 | 0.75 |
| | | X | 1.5" x 1.5" | 34 | 65 | 0.75 |
| | F401 | V | 1.5" x 1.5" | 68 | 86 | 1.5 |
| | | X | 1.5" x 1.5" | 50 | 75 | 1.5 |
| | F402 | 2 x 1.5" | 70 | 120 | 2 | |
| | F403 | 2 x 1.5" | 93 | 130 | 3 | |

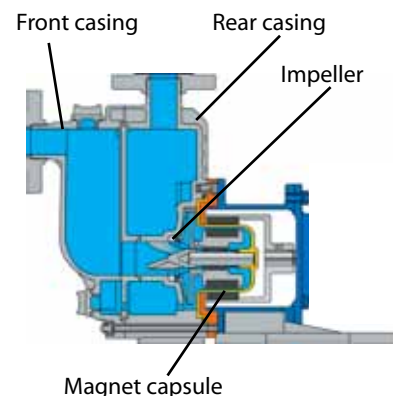


SMX-(F) Series

Self-priming

SMX-(F) Series is a self-priming compact pump that is capable of lifting up to 13 feet of fluid in under 90 seconds. Available in 10 different flow configurations, this polypropylene or ETFE Teflon® pump produces flows over 130 GPM and TDH up to 120 feet.

| SMX Model | Connections Suction x Discharge | Impeller Code | Max Capacity @ 60 Hz (GPM) | Max Head (ft) | Min Flow Rate (GPM) | Motor (RPM) | Motor (HP) |
|-----------|---------------------------------|---------------|----------------------------|---------------|---------------------|-------------|------------|
| (F)220 | 1 x 1 | Y | 25 | 35 | 2.6 | 3500 | ½ |
| (F)221 | 1 x 1 | X | 45 | 60 | 2.6 | 3500 | 1 |
| (F)221 | 1 x 1 | Y | 34 | 35 | 2.6 | 3500 | 1 |
| (F)222 | 1 x 1 | X | 45 | 60 | 2.6 | 3500 | 2 |
| (F)441 | 1½ x 1½ | Y | 74 | 49 | 2.6 | 3500 | 1 |
| (F)442 | 1½ x 1½ | X | 90 | 84 | 2.6 | 3500 | 2 |
| (F)443 | 1½ x 1½ | X | 90 | 84 | 2.6 | 3500 | 3 |
| (F)543 | 2 x 1½ | Z | 110 | 96 | 5.3 | 3500 | 3 |
| (F)545 | 2 x 1½ | Y | 132 | 112 | 5.3 | 3500 | 5 |
| (F)545 | 2 x 1½ | X | 132 | 119 | 5.3 | 3500 | 5 |

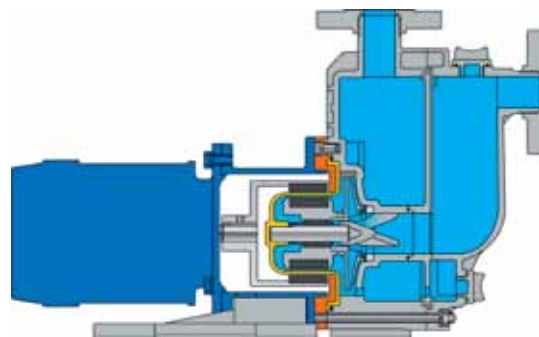
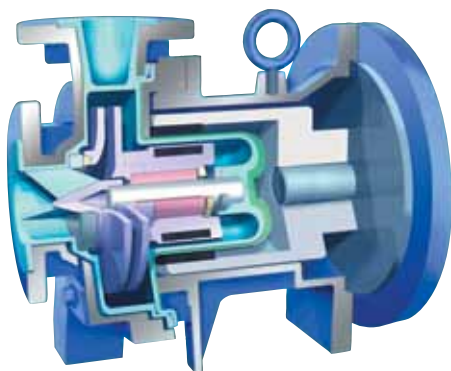


- **Chemical Transfer**
- **Filling/Toting**
- **Semiconductor**
- **Ethanol**
- **Plating**
- **Biodiesel**

- **Sulfuric Acid**
- **Bleach**
- **Caustic Soda**
- **Hydrochloric Acid**
- **Ammonia**
- **Nitric Acid**

M Series Dry-Run Capable Pumps

Iwaki America is proud to offer our M Series pumps for your toughest chemical handling applications. All M Series pumps feature our non-contact, dry-run capable structure. When fitted with a carbon bearing, the M Series allows for periods of repeatable dry running with no damage to the pump. This proven non-contact principle also greatly improves the ability to withstand cavitation, poor suction conditions and running against a closed discharge valve. During adverse operating conditions, the M Series high strength magnets align to open contact points in the front or rear of the pump preventing damage to internal bearing surfaces and surrounding materials.



Accessories



Power Monitor

The Emotron M20® monitors the input power to the pump. Capable of detecting both over-load and under-load conditions, the monitor offers protection from off-design conditions such as:

- Dry running
- Dead head
- End of curve
- Cavitation
- Excessive bearing wear

Specifications:

Two output relays, an analog output and a display for load indication and parameter settings.

| | |
|-------------------|---|
| Supply Voltage: | 100-240 VAC / 380-500 VAC / 525-690 VAC |
| Frequency: | 50 Hz / 60 Hz |
| Rated Current: | Up to 999 A via current transformer |
| Protection Class: | IP20 |
| Approvals: | CE, UL, cUL |
| Options: | NEMA 4X/ Panel Mount Kits |



Non-Metallic Baseplates

Corrosion resistant Basetek® polymer concrete non-metallic bases are available for larger M-Series products. Bases use stainless steel inserts as a standard and are available with optional grout holes, and drip pan. These non-metallic bases are designed to accommodate all of our close-coupled designs and complement the rugged quality and corrosion resistance of our M-Series products.

Our Company

Iwaki America Inc. is one of over 25 global centers for the manufacturing and support of Iwaki pumps. Our 50 plus years of pump design engineering has made us a worldwide leader of the best chemical handling equipment used in OEM, Industrial, Chemical Process and Semiconductor applications. With the Walchem product line, we are also the leading manufacturer of on-line analytical instruments and electronic metering pumps. We provide innovative solutions by integrating our instruments, sensors, fluid handling and extensive remote data communications technologies.



Iwaki America has a state-of-the-art manufacturing facility in Holliston, Massachusetts, located 30 miles southwest of Boston. Our modern facilities provide enhanced communications, focus on research and development, sales, customer service and manufacturing and allow for enthusiastic and productive employees, many of whom have been with the company for decades. We utilize the best data management techniques to serve our customers in the excellent manner they have come to expect from us.

Quality Statement

Iwaki America recognizes the importance of providing true value to its customers from the initial stages of design specification review to the manufacturing and support of the final product. It is our goal to provide the best technical solution possible and the highest quality product in every pump design we produce. With over 900,000 pumps manufactured annually, our quality has been proven by our customers' satisfaction and documented defect rate of less than 0.01 %.

All products are manufactured under an ISO9001:2008 quality system with the required design process, materials control and manufacturing documentation in place to certify our products will meet the performance and quality specifications required by our users.

Our organization's commitment to quality is integral with our mission statement reinforcing the importance of providing superior products and just as important, superior customer service. Iwaki quality is not just in the physical product, but in every aspect of our business.



www.IwakiAmerica.com



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