

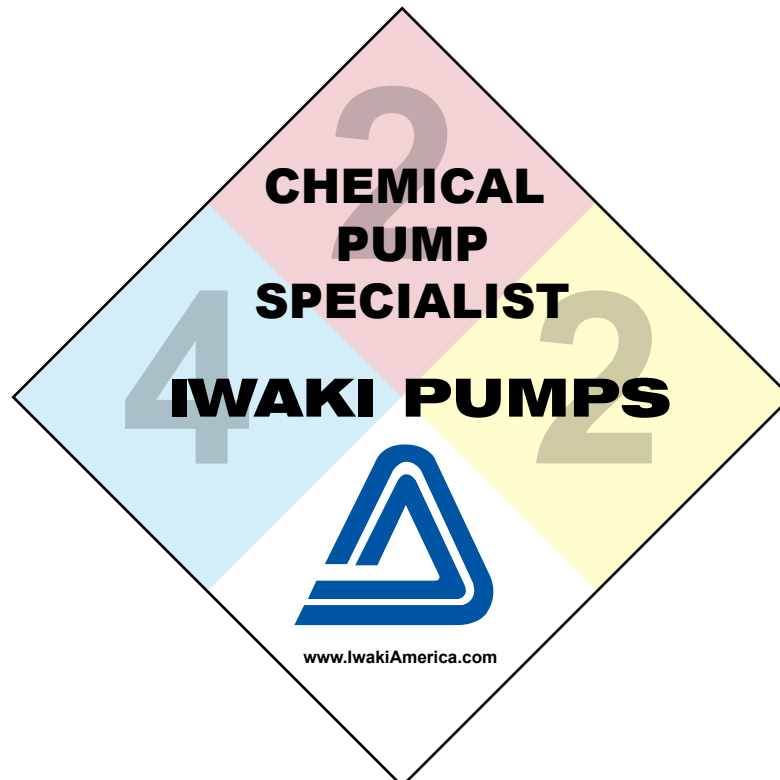
IWAKI

M
series

M Series - Chemical Process Pumps



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



M

series



MDM Series

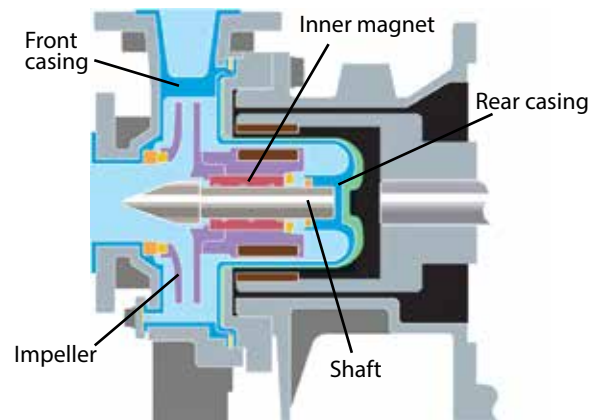
ANSI Dimensional for ease of installation

MDM Series is an ANSI dimensional pump with flow rates to 350 GPM and TDH to 348 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

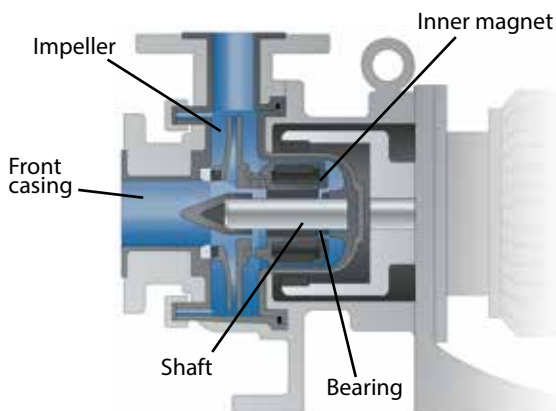
Model	Connections Suction x Discharge 150# (inch)	Min Flow Rate (GPM)	Max. Head (ft)	Max. Capacity (GPM)	Motor HP
1516*	1½ x 1	5	117	60	2 / 3
1518*	1½ x 1	5	173	70	5 / 7.5 / 10
1518-2*	1½ x 1	13	348	120	7.5 / 10 / 15 / 20 / 25
2156	2 x 1½	13	131	150	5 / 7.5 / 10
2158	2 x 1½	13	329	160	7.5 / 10 / 15 / 20 / 25
2526	2½ x 2	13	155	250	5 / 7.5 / 10
326*	3 x 2	13	176	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 142 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
MXM-22_1	1" x 1"	2.5	38	55	½ - 1 HP / 56C
MXM-22_2		2.5	63	55	
MXM-44_1	1½" x 1½"	5.5	80	75	1 HP / 56C
MXM-44_2		5.5	95	72	2 HP / 145 TC
MXM-542_	2.0" x 1½"	5.5	96	115	2 HP / 145 TC
MXM-543_		5.5	122	160	3 HP / 182 TC
MXM-545_		13.2	142	160	5 HP / 184 TC

MX-(F) Series

High efficiency volute design for improved pump efficiencies

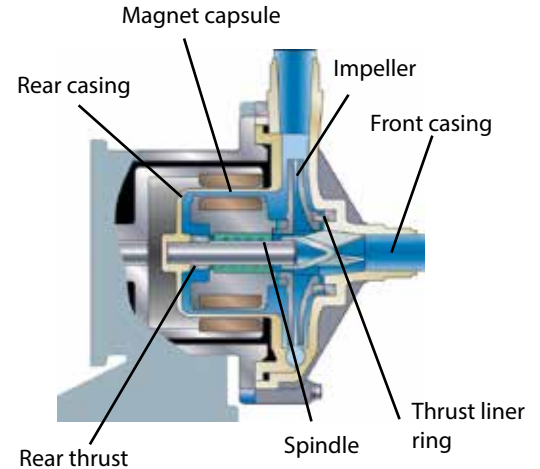
2-piece impeller/magnet design lowers parts costs

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	
505*	2.5" x 2"	86	225	5		
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	

* Flange only

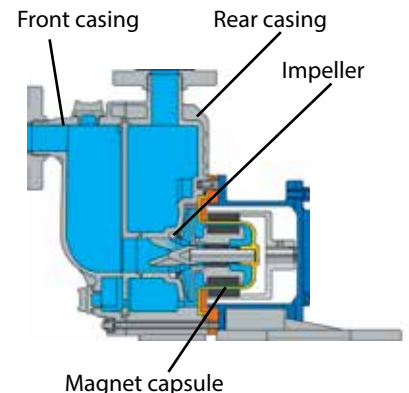


SMX-(F) Series

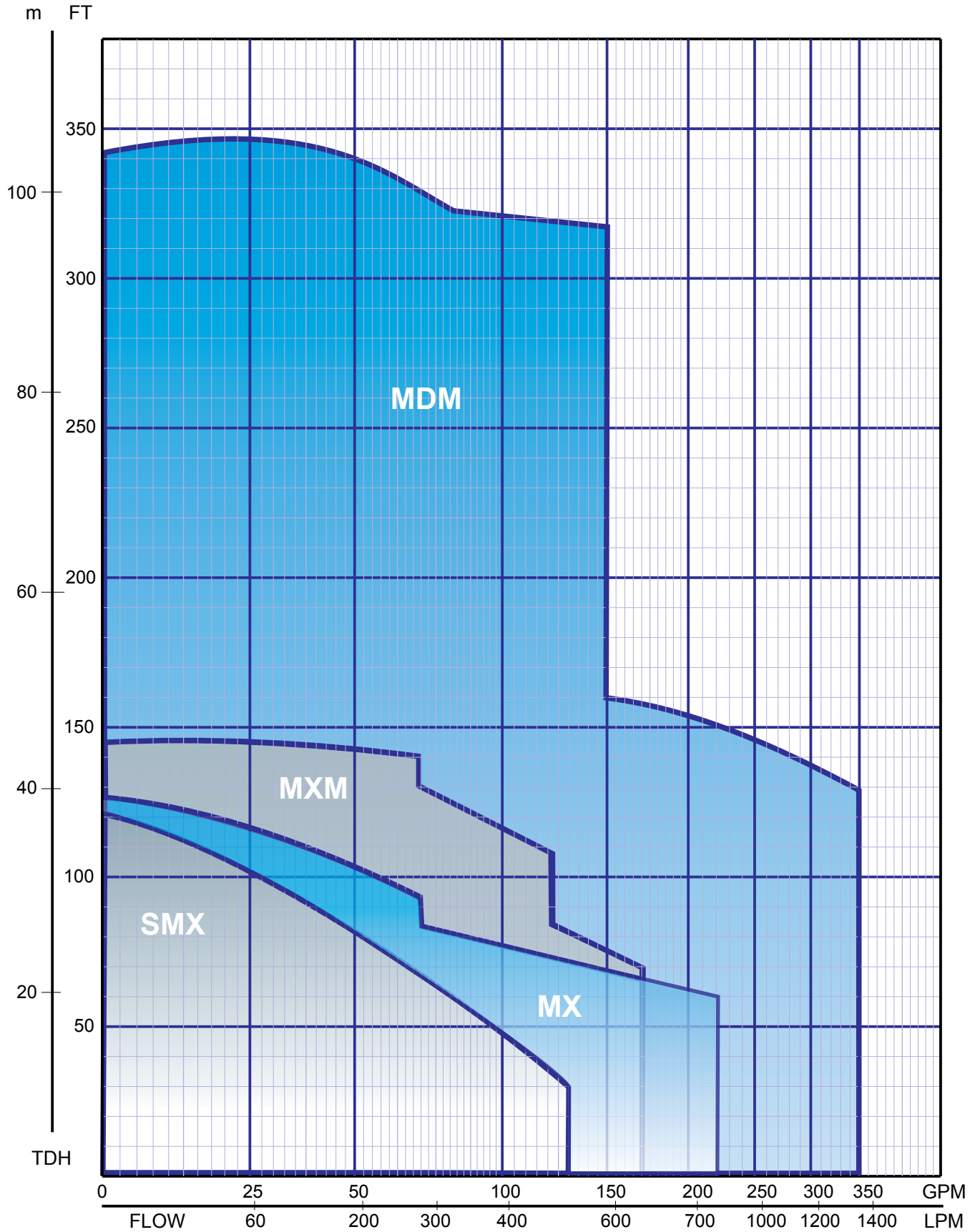
Self-priming

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



M Series Performance



M

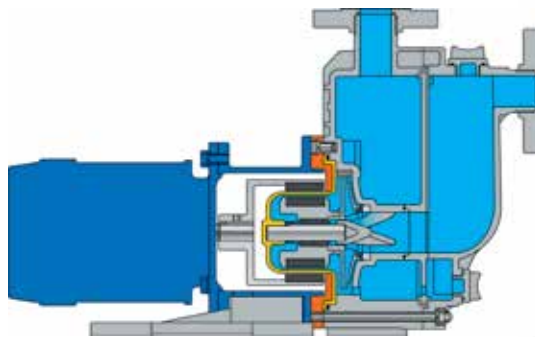
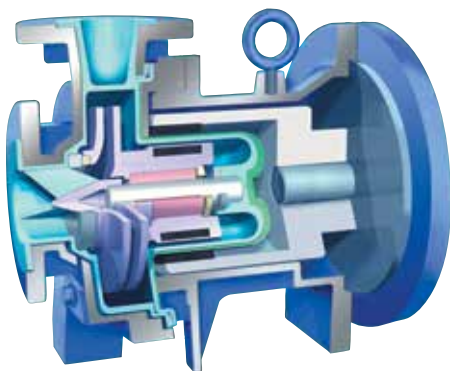
series

- **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.



Metering Pumps

IX Series



Iwaki's IX Series are digitally controlled direct-drive diaphragm pumps offering:
High Turndown Ratio - Motor control adjusts the discharge and suction speeds to meet a full and accurate turndown ratio of 750:1.

High Accuracy - Combined with precise motor control, an efficient valve design maintains accurate flow rates to allow a low-cost, mechanically-driven diaphragm pump to achieve a high accuracy of $\pm 1\%$.

Energy Savings - Helical gears and return spring reduce power consumption by up to 70% compared to conventional mechanical diaphragm metering pumps.

High Compression Pump Head Design - A fixed stroke length maintains high compression in each stroke resulting in fast priming and no air-lock at any flow rate up to rated pressures.

Model	Connection Size	Max Capacity (GPH)	Max Pressure (PSI)	Material Options
IX-D060	1/2" NPT	15.6	145	PVDF or Stainless Steel
IX-C150	3/4" NPT	39.6	58	
IX-D150	3/4" NPT	39.6	145	
IX-D300	1" NPT	79.2	73	

LKN Series



LK Series metering pumps are motor-driven, mechanically actuated diaphragm metering pumps with a maximum capacity of 114 GPH and a maximum pressure of 225 PSI. The LK Series is ideal for chemical feed applications in a wide range of fields, including water treatment, chemical process, agriculture, mining and paper.

Model	Capacity*	Max Pressure PSI		Stroke Speed	Connection
		PVC/PVDF	SS		
LKN32	9.5	150	225	116	1/2"
LKN45	15.9	150	225	58	1/2"
LKN47	31.8	120	120	116	1/2"***
LKN55	53.4	75	75	58	1"
LKN57	114.3	45	45	116	1"

* Capacities listed are at Max. pressure. ** LKN47 with VS liquid end has 1" NPT connections

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 and excessive bearing wear.



Non-Metallic Baseplates

Corrosion resistant Basetek[®] polymer concrete non-metallic bases are available for all 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.



www.IwakiAmerica.com



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