

FIMARS

METERING PUMPS



MIA
Series

TECHNICAL CATALOGUE



WE CARE ABOUT YOUR METERING NEEDS

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FIMARS SA



MIA PUMP SERIES

● Mechanical Diaphragm Pump MIA series

- ◆ **Performances:**
 - Flow rate: 0-1000 l/h
 - Pressure: up to 8 bar
 - Accuracy: $\pm 2\%$ of rated flow from 10 to 100% of rated flow
- ◆ **Features:**
 - Mechanically actuated PTFE diaphragm
 - Safe: leak free operation, no external moving parts
 - Robust, compact, reliable design
 - Easy handling with minimum maintenance
- ◆ **Adjustment:**
 - 0-100% Stroke adjustment while running or steady
 - Standard micrometric manual adjustment 1 mm per turn
 - Optional electric actuator, 4-20 mA or 0-10 V command with manual override
 - Optional motor with integrated inverter for frequency control
- ◆ **Materials:**
 - Silver painted aluminum casing
 - Standard liquid end executions: S.S. 316 L, PP, PVDF
 - Customized executions available: PVC, PTFE, Hastelloy C276, etc...
- ◆ **Customized solutions:**
 - ATEX executions
 - Double valve assemblies
 - UNI/ANSI flanges
 - High viscosity executions
 - Special motors



MIA

Minimum Maintenance



MIA PUMP SERIES

● Performances

Type	Flow Max l/h		Max Press. with std motor bar	Stroke Speed spm		Motor Pwr std KW	Connections std
	50Hz	60Hz		50Hz	60Hz		
MIA 18	18	21	8	34	40	0.18	1/4" Bspf
MIA 35	35	42	8	71	85	0.18	
MIA 50	50	60	8	106	127	0.18	
MIA 85	85	-	8	150	-	0.18	
MIA 40	40	48	8	34	40	0.18	
MIA 75	75	90	8	71	85	0.18	
MIA 115	115	138	8	106	127	0.18	
MIA 160	160	-	8	150	-	0.18	
MIA 55	55	66	8	34	40	0.18	
MIA 110	110	132	8	71	85	0.18	
MIA 180	180	216	8	106	127	0.18	
MIA 250	250	-	8	150	-	0.18	
MIA 70	70	84	5	34	40	0.18	
MIA 155	155	186	5	71	85	0.18	
MIA 240	240	288	5	106	127	0.18	
MIA 340	340	-	5	150	-	0.18	
MIA 150	150	180	5	34	40	0.18	
MIA 320	320	384	5	71	85	0.18	
MIA 480	480	576	5	106	127	0.18	
MIA 680	680	-	5	150	-	0.18	
MIA 230	230	276	5	34	40	0.18	
MIA 500	500	600	5	71	85	0.18	
MIA 700	700	840	4	106	127	0.37	
MIA 1000	1000	-	3	150	-	0.37	

● Liquid End Standard Executions

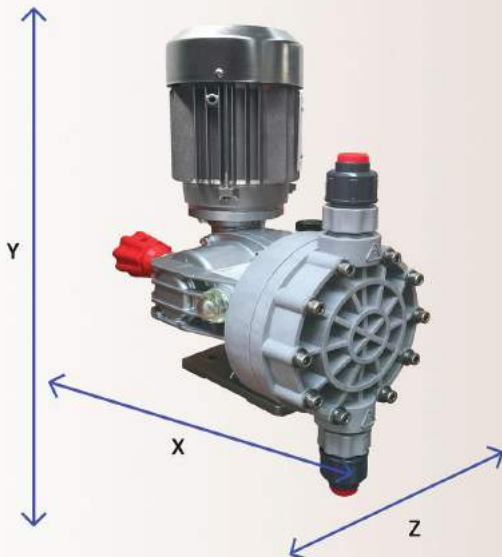
Execution	Pump Head	Seat	Cage	Valve	Gaskets	Diaphragm
B	PP	PVC	PP	PYREX	FPM	PTFE
A	S.S. 316L	S.S. 316L	S.S. 316L	S.S. 316L	FPM	PTFE
F	PVDF	PVDF	PVDF	PTFE	PTFE	PTFE
B33	PP	S.S. 316L	PP	S.S. 316L	FPM	PTFE
B2	PP	PVC	PP	PTFE	FPM	PTFE
B56	PP	INCOLOY 825	PP	HASTELLOY C276	FPM	PTFE
A331	S.S. 316L	S.S. 316L	S.S. 316L	S.S. 316L	PTFE	PTFE
F5	PVDF	PVDF	PVDF	HASTELLOY C276	PTFE	PTFE

Special Executions Available on Request



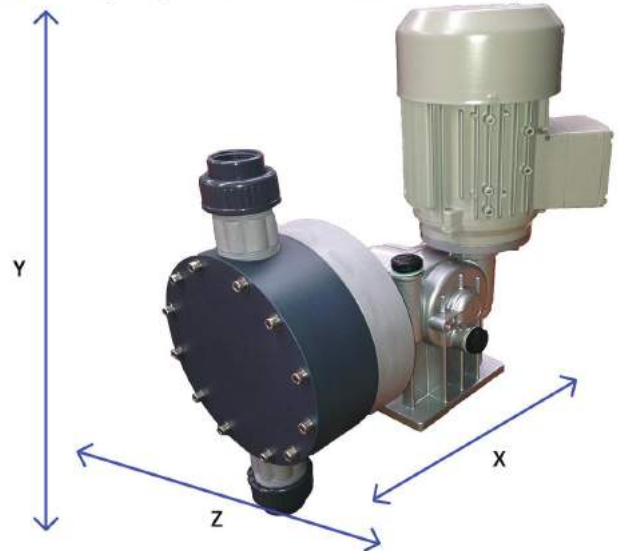
MIA PUMP SERIES

● MIA Diaphragm 110 mm Dimensional Drawing



Y = S.S. 316L 390mm / PP - PVDF 410mm
 X = 330mm / with actuator 400mm
 Z = 175mm

● MIA Diaphragm 170 mm Dimensional Drawing



Y = S.S. 316L 430mm / PP - PVDF 450mm
 X = 370mm / with actuator 450mm
 Z = 250mm