



M A
Series

TECHNICAL CATALOGUE



M A 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

M A
**Minimum
Maintenance**



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● Performances

Type	Flow Max l/h		Max Press. with std motor bar	Stroke 50Hz	Speed spm 60Hz	Motor Pwr std KW	Connections std
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	3/8" Bspf
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	1" Bspf
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

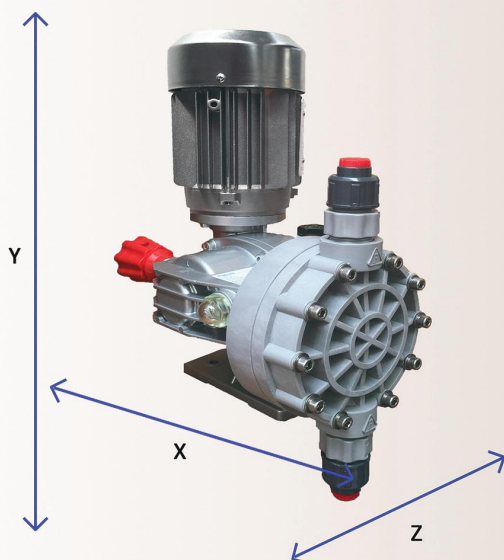
Execution	Pump Head	Seat	Cage	Valve	Gaskets	Diaphragm
B	PP	PVC	PP	PYREX	FPM	PTFE
A	S.S. 316L	S.S. 316L	S.S. 316L	S.S. 316L	FPM	PTFE
F	PVDF	PVDF	PVDF	PTFE	PTFE	PTFE
B33	PP	S.S. 316L	PP	S.S. 316L	FPM	PTFE
B2	PP	PVC	PP	PTFE	FPM	PTFE
B56	PP	INCOLOY 825	PP	HASTELLOY C276	FPM	PTFE
A331	S.S. 316L	S.S. 316L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

Special Executions Available on Request



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● M A Diaphragm 110 mm Dimensional Drawing

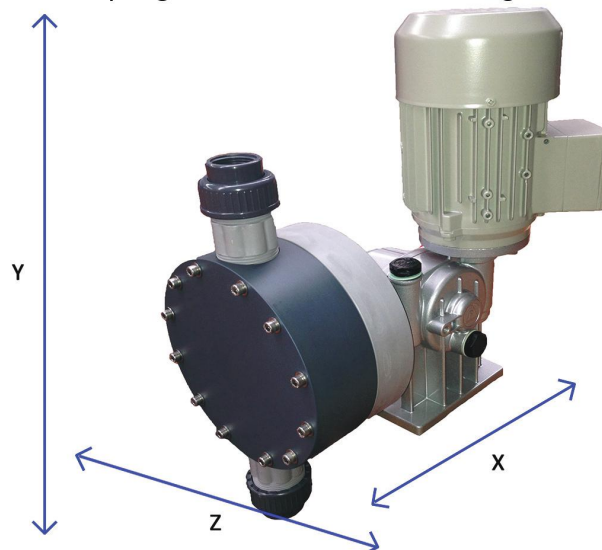


Y = S.S. 316L 390mm / PP - PVDF 410mm

X = 330mm / with actuator 400mm

Z = 175mm

● M A Diaphragm 170 mm Dimensional Drawing



Y = S.S. 316L 430mm / PP - PVDF 450mm

X = 370mm / with actuator 450mm

Z = 250mm