

# FIMARS

METERING PUMPS

## MIA Series



### TECHNICAL CATALOGUE



WE CARE ABOUT YOUR METERING NEEDS

Via Bagutti 5  
6900 Lugano CH  
info@fimars.com  
www.fimars.com  
Tel +41 912103529  
Fax +41 912103530  
Mob +41 779742863



## 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 50Hz	Flow Max l/h 60Hz	Max Press. with std motor bar	Stroke 50Hz	Speed rpm 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

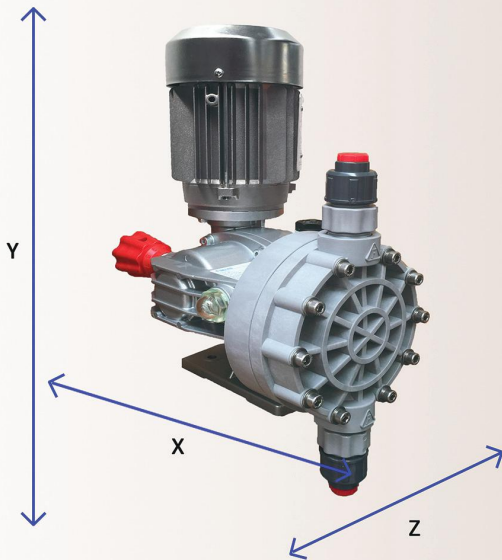
Execution	Pump Head	Seat	Cage	Valve	Gaskets	Diaphragm
<b>B</b>	PP	PVC	PP	PYREX	FPM	PTFE
<b>A</b>	S.S. 316L	S.S. 316L	S.S. 316L	S.S. 316L	FPM	PTFE
<b>F</b>	PVDF	PVDF	PVDF	PTFE	PTFE	PTFE
<b>B33</b>	PP	S.S. 316L	PP	S.S. 316L	FPM	PTFE
<b>B2</b>	PP	PVC	PP	PTFE	FPM	PTFE
<b>B56</b>	PP	INCOLOY 825	PP	HASTELLOY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

Special Executions Available on Request



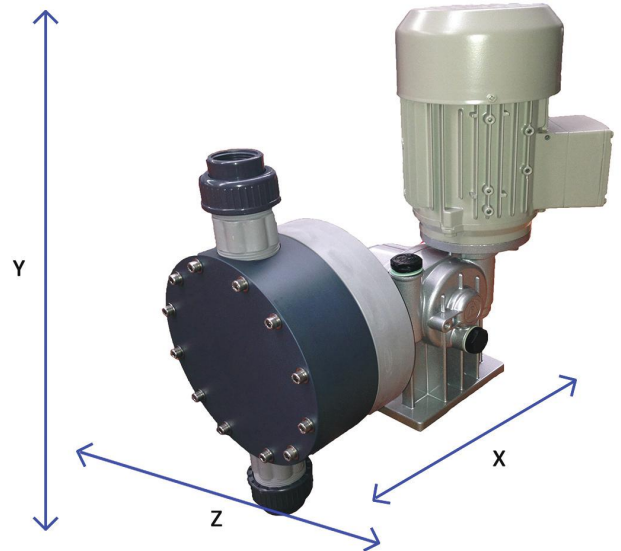
# MIA PUMP SERIES

## ● 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