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MIA SERIES TECHNICAL CATALOGUE

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 operations of medium, no external moving parts
Robust, compact, reliable design
Easy handling minimum maintenance

◆ ADJUSTMENT:

Stroke adjustment while running or stopped 0-100%
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:

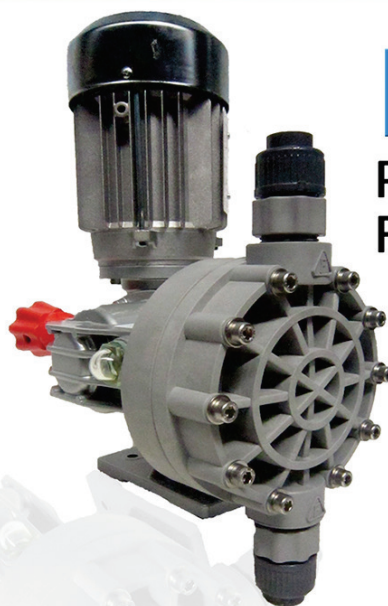
Silver painted aluminum casing
Standard liquid end executions: S.S. 316 L, PP, PVDF
Customized executions available: PVC, PTFE, Hasteloy 276 C, etc...

◆ CUSTOMIZED SOLUTIONS:

ATEX executions
Double valve assemblies
UNI/ANSI flanges
High viscosity executions
Special motors



MIA Plug and Forget



MIA PUMP SERIES

FIMARS
METERING PUMPS

● Technical Features

Type	Rate Max (L/H)	Pressure Max (Bar)	Stroke speed (spm)	Motor pwr std (kW)	Connections std
MIA 18	18	8	34	0.18	1/4" Bspf
MIA 35	35	8	71	0.18	
MIA 50	50	8	106	0.18	
MIA 85	85	8	150	0.18	
MIA 40	40	8	34	0.18	
MIA 75	75	8	71	0.18	
MIA 115	115	8	106	0.18	
MIA 160	160	8	150	0.18	
MIA 55	55	8	34	0.18	
MIA 110	110	8	71	0.18	
MIA 180	180	8	106	0.18	3/8" Bspf
MIA 250	250	8	150	0.18	
MIA 70	70	5	34	0.18	
MIA 155	155	5	71	0.18	
MIA 240	240	5	106	0.18	
MIA 340	340	5	150	0.18	
MIA 150	150	5	34	0.18	
MIA 320	320	5	71	0.18	
MIA 480	480	5	106	0.18	
MIA 640	640	5	150	0.18	1" Bspf
MIA 230	230	5	34	0.18	
MIA 500	500	5	71	0.18	
MIA 700	700	4	106	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	AISI 316L	AISI 316L	AISI 316L	AISI 316L	FPM	PTFE
F	PVDF	PVDF	PVDF	PTFE	PTFE	PTFE
B33	PP	AISI 316L	PP	AISI 316L	FPM	PTFE
B2	PP	PVC	PP	PTFE	FPM	PTFE
B56	PP	INCOLOY 825	PP	HASTELLOY C276	FPM	PTFE
A331	AISI 316L	AISI 316L	AISI 316L	AISI 316L	PTFE	PTFE
F5	PVDF	PVDF	PVDF	HASTELLOY C276	PTFE	PTFE

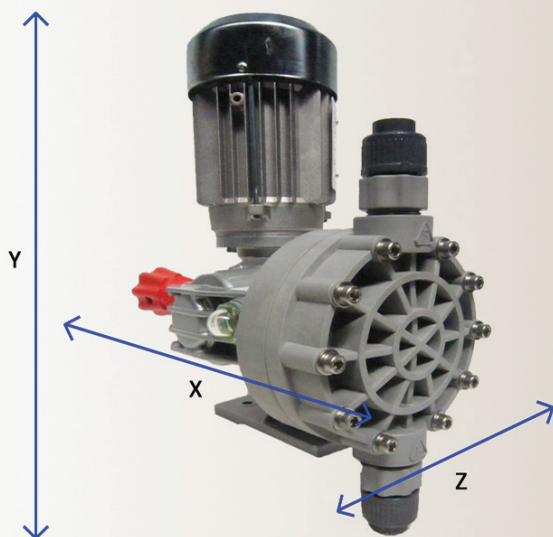
Special Executions Available on Request



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● MIA Diaphragm 110 mm Dimensional Drawing

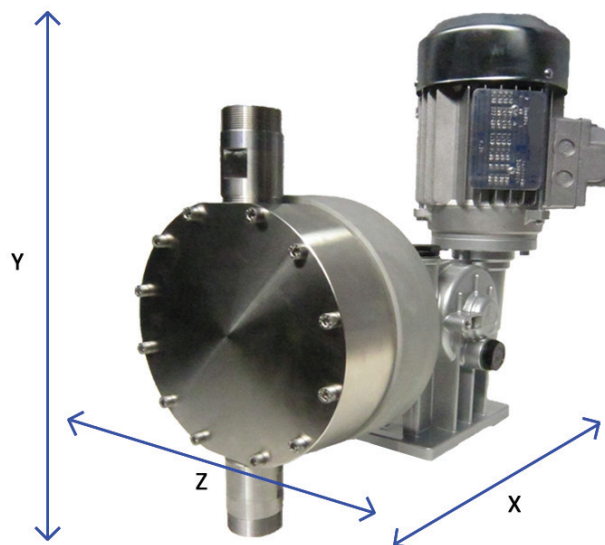


Y = Aisi 316L 390mm / PP - PVDF 410mm

X = 330mm / with actuator 400mm

Z = 175mm

● MIA Diaphragm 170 mm Dimensional Drawing



Y = Aisi 316L 430mm / PP - PVDF 450mm

X = 370mm / with actuator 450mm

Z = 250mm