

METERING PUMPS



WE CARE ABOUT YOUR METERING NEEDS

MIA SERIES

Mechanical Diaphragm Pump

Features:

- Mechanically actuated PTFE diaphragm
- Safe: leak free operation, no external moving parts
- Robust, compact, reliable design with minimum maintenance required

Performances:

- Flow rate: 0-1000 l/h
- Pressure: up to 8 bar
- Accuracy: $\pm 2\%$ of rated flow from 10 to 100%

Adjustment:

- 10-100% stroke adjustment while running or steady
- Standard micrometric manual adjustment
- Optional electric actuator, 4-20 mA or 0-10 V command with manual override
- Optional inverter for frequency control

Materials:

- Aluminum casing
- Standard liquid end executions: SS 316, PP, PVDF
- Customized executions available: PVC, PTFE, Hastelloy C276, etc.

Customized solutions:

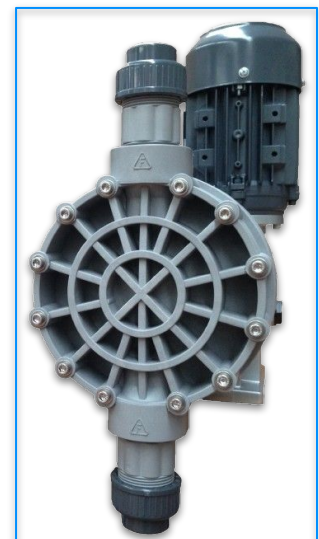
- ATEX executions zone 1 and 2
- UNI/ANSI flanges
- High viscosity executions
- Special motors



PVDF VERSION



AISI 316 VERSION



PP VERSION

MIA SERIES

VARIANT	FLOW l/h		MAX PRESSURE bar	STROKES PER MINUTE	CONNECTIONS STD	MOTOR POWER kW
	min	max				
MIA 18	2	18	8	34	3/8" Bspf	0.18
MIA 35	4	35		71		
MIA 50	5	50		106		
MIA 85	9	85		150		
MIA 40	4	40		34		
MIA 75	8	75		71		
MIA 115	11	115		106		
MIA 160	16	160		150		
MIA 55	6	55		34		
MIA 110	11	110		71		
MIA 180	18	180		106		
MIA 250	25	250		150		
MIA 70	7	70		5		
MIA 155	15	155	71			
MIA 240	24	240	106			
MIA 340	34	340	150			
MIA 150	15	150	34			
MIA 320	32	320	71			
MIA 480	48	480	106			
MIA 680	68	680	150			
MIA 230	23	230	34			
MIA 500	50	500	71			
MIA 700	70	700	4	106	0.37	
MIA 1000	100	1000	3	150		

MATERIALS			
HEAD	PP	AISI 316	PVDF
DIAPHRAGM	PTFE		
VALVE	Pyrex	AISI 316	PTFE
GASKET	FPM / EPDM/PTFE		
BODY	PAINTED ALUMINIUM		
ADJUSTMENT	MANUAL (STANDARD) ELECTRIC ACTUATOR (OPTIONAL) INVERTER (OPTIONAL)		
OTHER MATERIALS AVAILABLE ON REQUEST			
ATEX EXECUTION AVAILABLE (ZONE 1 AND 2)			

NEO SERIES

Plunger dosing pumps

Features:

- Low flow rates, high pressures
- Robust, compact, reliable design
- Accurate dosing at any pressure

Performances:

- Flow rate: 0-425 l/h
- Pressure: up to 10 bar
- Accuracy: $\pm 2\%$ of rated flow from 10 to 100%

Adjustment:

- 10-100% stroke adjustment while running or steady
- Standard micrometric manual adjustment
- Optional electric actuator, 4-20 mA or 0-10 V command with manual override
- Optional inverter for frequency control

Materials:

- Silver painted aluminum casing
- Standard liquid end executions: SS 316, PVC
- Customized executions available: Incoloy 825, Hastelloy C276, Titanium, etc.

Customized solutions:

- ATEX proof motors
- UNI/ANSI flanges
- High viscosity executions
- Special motors



PVC VERSION



AISI 316 VERSION

NEO SERIES

VARIANTS	FLOW l/h		MAX PRESSURE bar	STROKES/MI N	CONNECTIO NS STD	3PH MOTOR
	min	max				
NEO 5	0.5	5	10	34	1/4" Bspf	0.18
NEO 10,5	1.1	10.5		71		
NEO 16	1.6	16		106		
NEO 22	2.2	22		150	3/8" Bspf	
NEO 26	2.6	26		34		
NEO 55	5.5	55		71		
NEO 82	8.2	82		106		
NEO 116	11.6	116		150		
NEO 46	4.6	46		34		
NEO 96	9.6	96		71		
NEO 144	14.4	144	106			
NEO 204	20.4	204	8	150		
NEO 69	6.9	69	7	34		
NEO 145	14.5	145		71		
NEO 215	21.5	215		106		
NEO 305	30.5	305		150		
NEO 95	9.5	95	5	34		
NEO 201	20.1	201		71		
NEO 301	30.1	301		106		
NEO 425	42.5	425		150		

MATERIALS		
STD EXECUTION	AISI 316	PVC
PLUNGER	AISI 316	CERAMIC
VALVE	AISI 316	PYREX
GASKET	FPM/EPDM/PTFE	
BODY	PAINTED ALUMINIUM	
ADJUSTMENT	MANUAL (STANDARD) ELECTRIC ACTUATOR (OPTIONAL) INVERTER (OPTIONAL)	
OTHER MATERIALS ON REQUEST		
ATEX EXECUTION AVAILABLE		

FR SERIES

API 675 Solutions

Performances:

- Flow rate up to 12.000 l/h with single pump head
- Pressure: up to 950 bar
- Metering accuracy reaches 1%
- Full API 675 compliance

Features

- Integrated “Oude” worm gear pair, low noise, high transmission efficiency, large torque
- Low maintenance, long service life
- Plunger and hydraulic diaphragm design
- Built-in relief valve, compensating valve and limit valve
- Single and double diaphragm, PTFE or metallic made with rupture indicator

Adjustment:

- 0-100% stepless adjustment of flow
- Frequency conversion option

Materials

- Cast iron or anodized cast iron casing
- Various liquid end executions: SS304L, SS316L, Hastelloy C, PVC, PVDF, PTFE, etc.

Customized solutions:

- Explosion proof motors
- Special motors
- UNI/ANSI flanges
- High viscosity solutions



**3FRMSXAA
DOUBLE DIAPHRAGM**

ACCESSORIES



ELECTRICAL ACTUATORS



PULSATION DAMPENERS



INVERTERS



SAFETY VALVES



DOSING TANKS



FOOT VALVES



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