

Water Treatment



TM 07 SERIES

MOTOR DRIVEN MECHANICAL DIAPHRAGM METERING PUMP



TM 07 series is a new motor driven mechanical diaphragm metering pump featuring a vertically mounted, high efficiency and high performing motor, within a PVC housing. Enhanced by its dual cam mechanical structure, the pump guarantees high stability, dosage and low noise.

Characteristics

- REDUCED dimension of the base for easier installation
- ROBUST PLASTIC OUTER CASE
- HIGH EFFICIENCY MOTOR 0.06KW

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TECHNICAL SPECIFICATIONS

Flow rate: up to 120 lt/h

Max pressure: 5 bar

Motor: 0.06 kW-3ph IP55 380Vac - 50-60Hz

Motor: 0.06 kW-1ph IP55 110÷220Vac -

50-60Hz Stroke rate: Up to 144 strokes/minute

Stroke length: 5-6.8 mm

Diaphragm diameter: 70mm

Pump head: SS 316/PVDF

Max temperature: SS316 80°C/ PVDF 40°

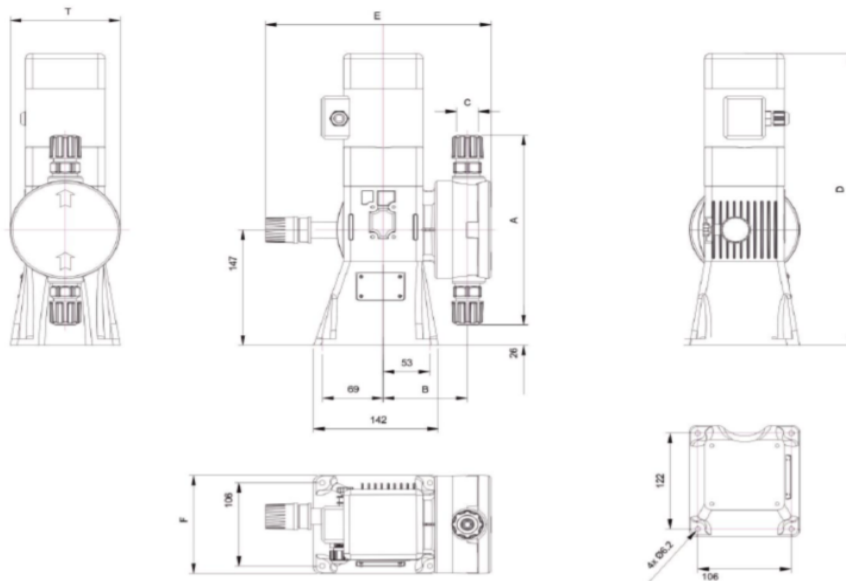
FPM or EPDM seals available



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DIMENSIONS



					Single / Three Phases motor		
A [mm]	B [mm]	C [BSP / mm]		T[mm]	D[mm]	E [mm]	F [mm]
242	93.5	AISI 316	1/2" g/f	125	372	256	125
		PVDF	8 x 12 (std)				

Models	Diaphragm diameter	Stroke Length	Strokes/ minute	Flow rates	Maximum Pressure
3phase 0,06 kW 1phase 0,06kW					
TM07	70	4,2	26	10,0	5 bar
			43	20,0	
			83	40,0	
			130	60,0	
		5	144	90,0	3 bar
		6,8		120,0	



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MOTOR CHARACTERISTICS

Model	Power w	Poles	Voltage V	Frequency Hz	Revolving No. rpm	Ratio	Torque gcm (1200 rpm)	Torque gcm (90 rpm)	Starting Torque gcm	Current A	Start condenser Capacity uF	Start resistance Voltage V
1 phase	60	4	220	50	90 – 1400	1:15	5000	700	3000	0.55	3.5	500

Model	Force w	Poles	Voltage V	Frequency Hz	Revolving No. rpm	Torque gcm	Starting Torque gcm	Current A
3 phase	60	4	220V /380V	50	1300	4500	11250	0.53 / 0.30
3 phase	60	4	220V /380V	60	1600	3700	9250	0.48 / 0.28