

Dosing pump series - M

- Maximum Flow rate: 100l/h • Maximum Pressure: 15 kg/cm²g • Mechanically actuated diaphragm
- Variable eccentric drive mechanism



Technical characteristics

Standard:

- Flow rate up to: 100 l/h
- Pressure up to: 15 kg/cm²g
- Long life PTFE Hypalon diaphragm
- Mechanically actuated diaphragm
- Stroke adjustment by variable eccentric minimizing pulsation and shock
- Simplex version
- Maximum temperature of pumped liquid: 50 °C
- Adjustment of flow rate while running: from 0 to 100%
- Accuracy: ± 1% of rated flow from 10% to 100% stroke
- Suction lift: up to 1.5 m water
- Turn down ratio 10:1
- Lubrication by oil bath



Options:

- Variable speed drive, Electronic capacity control / Automatic capacity control

Characteristics of motors

Standard Motor Data:

- Power Supply: 415V – 50 Hz – 3 phase, IE2.
- Degree of protection: IP 55
- Insulation: class F
- Motor Speed: 1440 rpm
- Enclosure: TEFC

Options:

- Flame/Explosion proof motors

Accessories

To meet your installation needs a large range of accessories are available on request (Pulsation dampeners, safety and backpressure valves), consult us.

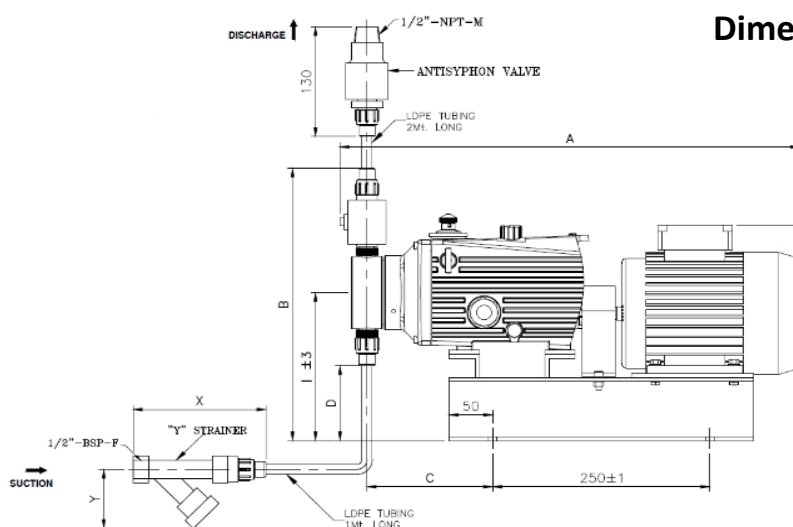
Liquid end construction

Component	Materials			
Liquid end body	PP	PVC	PVDF	CF8M / SS316
Valve body	PVC	PVC	PVC	SS-316
Ring Seal	PTFE	PTFE	PTFE	PTFE
Balls	CERAMIC	CERAMIC	CERAMIC	CERAMIC
Connections	PVC	PVC	PVDF	SS-316
Diaphragm	TEFLON FACED HYPALON	TEFLON FACED HYPALON	TEFLON FACED HYPALON	TEFLON FACED HYPALON
PRV	PVC	PVC	PVDF	SS-316
Suction-Strainer	PP Y-Type	PP Y-Type	PP Y-Type	CF8M Y-Type
Antisiphon valve	PVC	PVC	PVC	SS-316

Performances

Pump model	Flow max. (l/h)		Pressure max. (KG/CM ²)	Stroke length (mm)	Stroke speed (SPM)	Motor speed (rpm)	Motor power (kW)	End Connections (Suction & Discharge)	
	Min (l/h)	Max (l/h)						Metallic	Plastic
M-09	0.5	5	15	4	48 (50)	1440	0.37	½" BSP(F) x ½" NPT(M)	
M-10	1.0	10	15	4	96 (100)	1440	0.37	½" BSP(F) x ½" NPT(M)	
M-11	1.7	17	12	4	144	1440	0.37	½" BSP(F) x ½" NPT(M)	
M-12	3	30	10	4	144	1440	0.37	½" BSP(F) x ½" NPT(M)	
M-13	5	50	5	4	144	1440	0.37	½" BSP(F) x ½" NPT(M)	
M-14	10	100	3	4	144	1440	0.37	½" BSP(F) x ½" NPT(M)	

Dimensions and Connections



WEIGHT

Liquid End	Weight (kg)
Metallic	29
Plastic	24

Dimensions (mm)	WITH IEC 80 MOTOR (0.5 HP)			
	Pump model	A(Max)	B±3.0	C±2.0
M-09, M-10 & M-11	535	334	140	99
M-12	535	334	140	99
M-13	540	344	145	99
M-14	555	374	159	64

Dimensions (mm)	WITH IEC 71 MOTOR (0.5 HP)			
	Pump model	A±5.0	B±3.0	C±2.0
M-09, M-10 & M-11	520	325	140	90
M-12	520	325	140	90
M-13	520	325	145	90
M-14	535	365	159	50

*Any changes in this catalogue applicable without prior Information

Plot No: 45/1, 8th Avenue, Domestic Tariff Area,
Mahindra World City, Chengalpet District,
Chengalpet – 603004, Tamil nadu, India.
Tel Ph. No: +91-44-71113111

mrisaales@miltonroy.com | www.miltonroyindia.com

Doc.no: MRI-MAD M-001

MILTON ROY