

Spring MS1

Spring-return mechanical diaphragm dosing pump

- Flow rate range: 5.5 500 I/h, up to 16 bar
- Wetted parts: SS316L, PVC, PP, PVDF, PTFE, FPM, EPDM and Ceramic
- The MS1 series offers multiple combinations of pump head motors, stroke lengths and materials that allows operators the chance to select the optimal combination appropriate to the specific application in hand.
- Being membrane pumps, they represent an absolutely safe and leak-free solution to be used wherever chemical leaks, that are typical of plunger piston pumps, are not acceptable.
- To change the flow rate of the pump, the stroke length can be adjusted manually with a knob or even automatically by using the Aktua kit controlled by a 4 - 20 mA signal or by a pulse emitter water meter.
- Spring MS1 pumps can be supplied with a single or three-phase electric motor with IP55 protection, as well as with a DC motor working at 12 Vdc range that allows the pump to achieve flow rates between 23 and 620 I/h at pressure up to 16 bar.

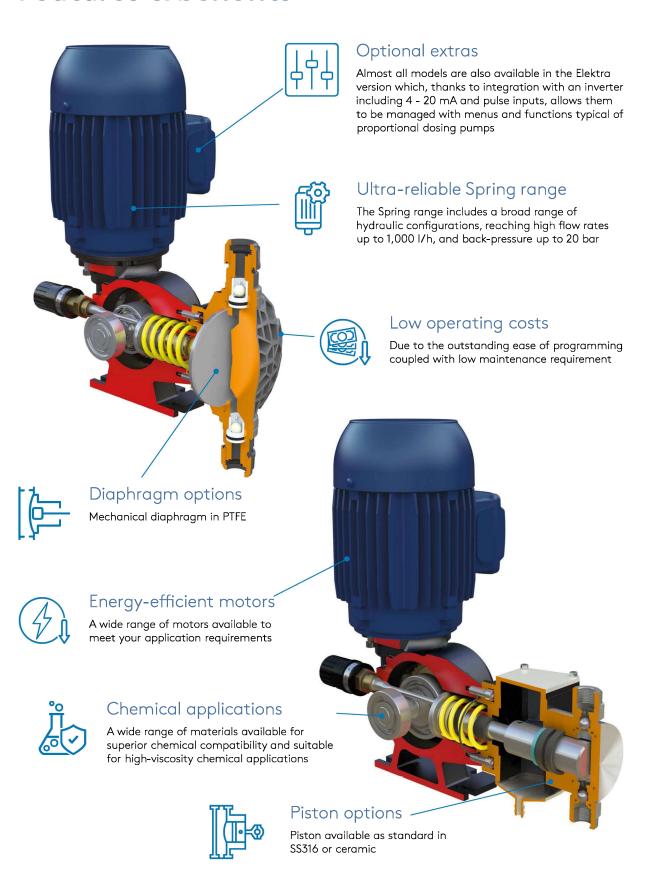


Specification

Model	Diameter [mm]	Stroke length [mm]			Max pressure [bar]			Connections			Weight [kg]		Packing size
			Frequency [stroke/1']	Flow rate [I/h]	SS316L	PP/ PVC	PVDF	SS316L	Other	Motor [kW/pole]	SS316L	Other	LxWxH [mm]
MS1A064A**A4000	- 64	2	58	5.5	- 16 -	10	10	BSPf ¼"	BSPf ¼"	0.18/4 (A4)	10.5	8.5	- 520 x 350 x 590
MS1A064B**A4000			78	8									
MS1A064C**A4000			116	11									
MS1A094A**A4000	94		58	20	16	10*	10*	BSPf ¾"	BSPf ¼"	0.18/4 (A4)	11.0	8.5	
MS1A094B**A4000			78	26									
MS1A094C**A4000			116	40									
MS1B108A**A4000	108	4	58	60	- 10	10*	10*	BSPf ¾"	BSPf %"	0.18/4 (A4)	13.5	10.0	
MS1B108B**A4000			78	80									
MS1B108C**A4000			116	120									
MS1C138A**C4000	138	6	58	155	7	7	7	BSPf ¾"	BSPf ¾"	0.37/4 (C4)	18.5	12.5	
MS1C138B**C4000			78	220									
MS1C138C**C4000			116	310				BSPf 1"	BSPf 1"				
MS1C165A**C4000	165		58	230	5	5	5	BSPf 1"	BSPf 1"	0.37/4 (C4)	22.0	13.5	
MS1C165B**C4000			78	330									
MS1C165C**C4000			116	500		3	3						

 $[\]mbox{*}$ Available with special Enforced Pump Head for use up to 16 bar

Features & benefits



Spring MS1 key code

