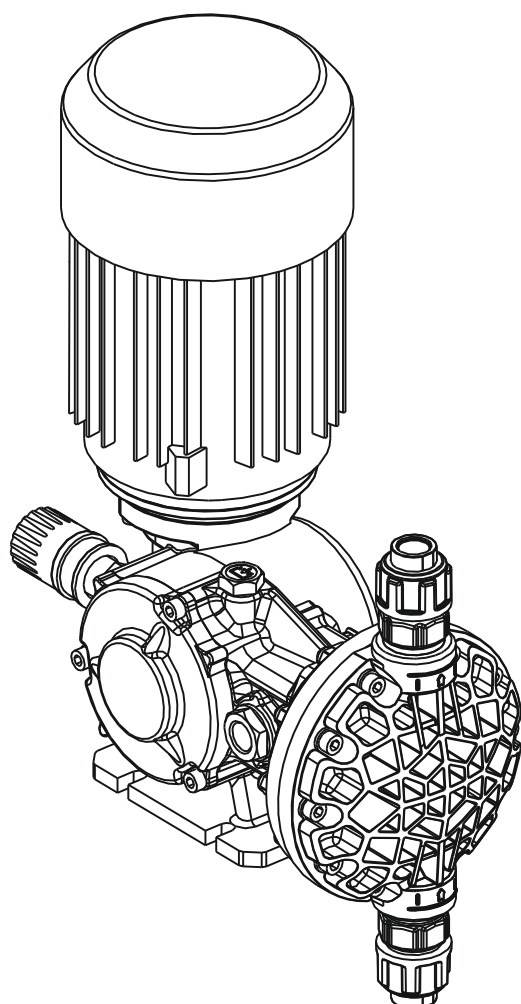




TECHNICAL CHARACTERISTICS

AVS™ – Automatic Vacuum System

- Flow rates: from 450 to 1200 l/h
- Max Pressure: up to 4.5 bar (65 psi)
- Motor:
 - 0.55 kW - 3 ph (IP55)
 - 0.75 kW - 1 ph (IP55)
- Stroke rate: 156 - 232 strokes/minute
- Stroke length: 6 mm
- Diaphragm diameter: 138 and 165 mm
- Pump head:
 - SS 316 L
 - PP
 - PVC
 - PVDF
- Max. dosing temperature:
 - SS 316 L 40° C
 - PP 40° C
 - PVC 40° C
 - PVDF 40° C
- Range of ambient temperature of use:
 - 5 ÷ 40° C

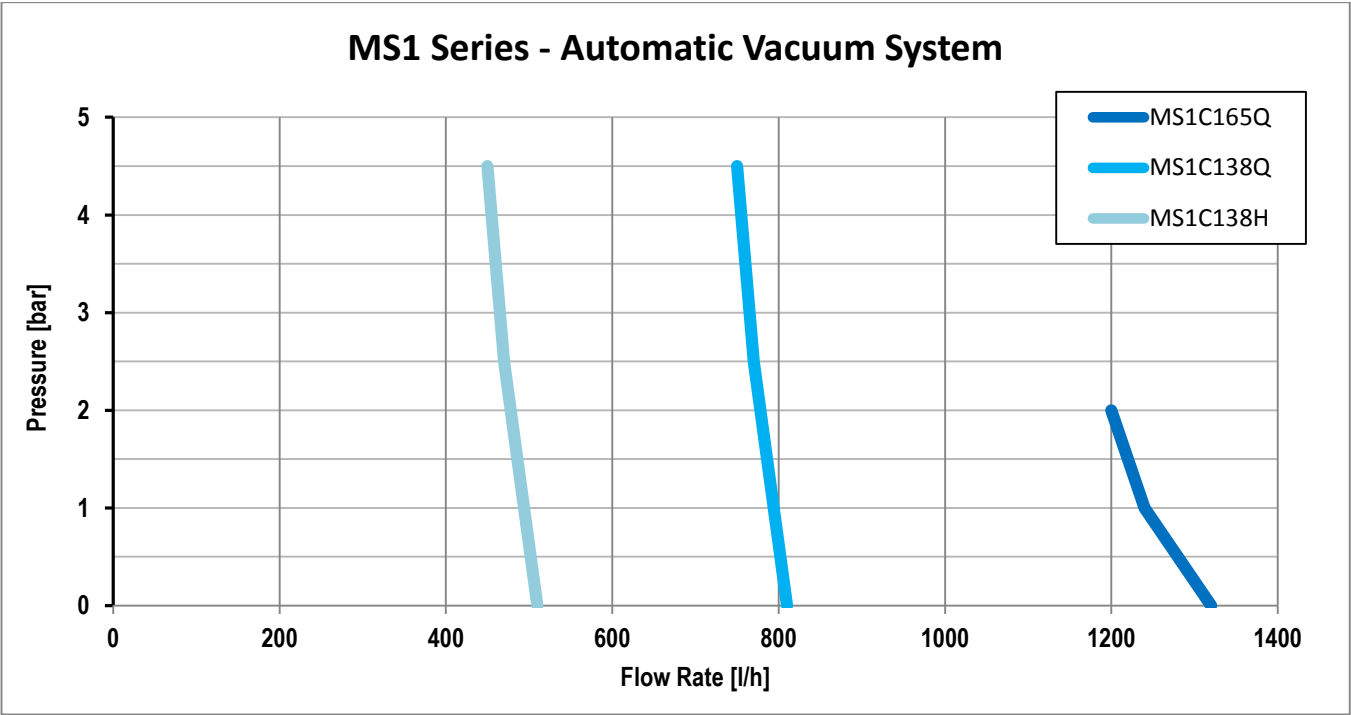
Seko mechanical diaphragm pump MS1 Series has a wide range product. The patented **AVS™ - Automatic Vacuum System** that equips some MS1 models, was created with the intention of improving the working conditions of the membrane, increase and optimize the performance of the pump. the device makes the system self-calibrating, for example whenever it is necessary: when, in the case of heating of the pump or the environment and in the case of maintenance with the replacement of the membrane. you can have an improved volumetric efficiency up to 55%, an improvement in the behavior priming, greater heights possible on the suction head (at constant preload) and less loss of flow rate to vary the height of aspiration (maximum value found 2 % per meter of the water column in the diaphragm version). Furthermore, the operation that you get bumps has reduced the cam mechanism, so less noise and less mechanical stress, even for versions 3.9 strokes/second (232 strokes per minute).

PUMP KEY CODE

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HYDRAULIC CHARACTERISTICS

Pump Model	Diaphragm Diameter [mm]	Stroke/min	Flow rate		Max back pressure		Suction/Discharge Connection		Electric Motor [kW]	
					bar	p.s.i.				
			l/h	g/l/h	SS 316 / PP / PVC	SS 316 / PP / PVC	SS316	PP	3 phase s	1 phase
M S 1 C 1 3 8 H	138	156	450	99	4.5	65.26	1" G F	1" G F	0,55 (W2)	0.75 (Y2)
M S 1 C 1 3 8 Q	138	232	750	165	4.5	65.26	1" G F	1" G F	0,55 (W2)	0.75 (Y2)
M S 1 C 1 6 5 Q	165	232	1200	264	2	29.01	1" G F	1" G F	0,55 (W2)	0.75 (Y2)

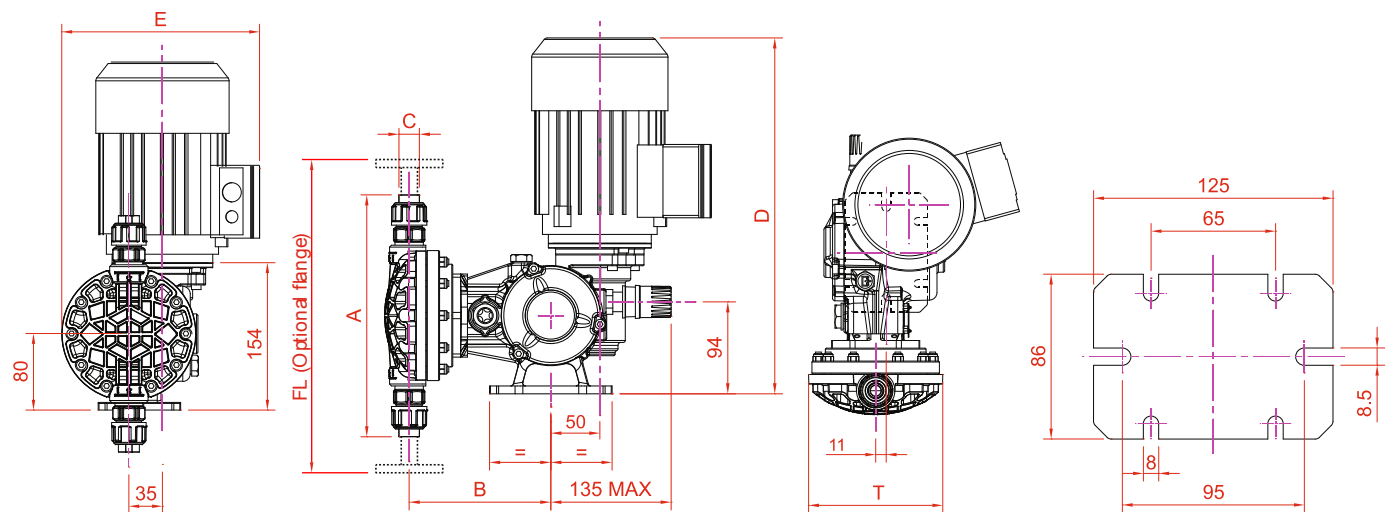


DOSING PUMP

SPRING SERIES – MS1_AVS – Mechanical diaphragm pump with AVS™



DIMENSIONS



Material Pump Head	Pump Model	DIMENSIONS [mm]					3 PHASE				1 PHASE			
		A	FL	B	C	T	P kW	Size	D mm	E mm	P kW	Size	D mm	E mm
S 316	MS1C138	261	361	158	1" G f	168	0.55	71 B14	371	190	0.75	71 B14	396	199
	MS1C165	297	397	165	1" G f	188	0.55	71 B14	371	200	0.75	71 B14	396	209
PP PVC PVDF	MS1C138	347	547	159	1" G f	166	0.55	71 B14	371	189	0.75	71 B14	396	198
	MS1C165	375	575	172	1" G f	195	0.55	71B14	371	214	0.75	71 B14	396	223