



### Technical characteristics

- Flow rates: from 800 to 2,000 l/h
- Max Pressure: up to 4 bar
- Motor: 1.1 kW - 3 ph (IP55)
- Stroke rate: 93 /116 strokes/minute
- Stroke length: 10/20 mm
- Diaphragm diameter: 210 mm
- Pump head:
  - SS 316
  - PVC
  - PVDF
- Max. dosing temperature:
  - SS 316    40° C
  - PVC        40° C
  - PVDF      40° C

Seko mechanical diaphragm metering pump MS4 Series can cover a performance range from 800 to 2.000 l/h with a max back pressure up to 4 bar, having different pump head configurations available, in order to have the characteristics most suitable for processes where required.

MS4 pump have a spring return mechanism into an cast iron housing.

Every pump can be equipped with frequency-conversion motor or explosion-proof motor, moreover each pump can be set manually or automatically using a linear actuator which accepts a signal 4 ÷ 20 mA.

### PUMP KEY CODE

1°	Model				
M	Diaphragm				
2°/3°	Mechanism Type				
S4	Membrane				
4°	Stroke Length [mm]				
H	10				
G	20				
5°/6°/7°	Diaphragm Diameter [mm]				
210	210				
8°	Stroke Rate [stroke/min]				
L	93				
C	116				
9°/10°	Pump Head Material				
	Pump Head	Diaphragm	Valves	Seat Valves	Equipment
21	SS 316	PTFE	SS 316	SS 316	Standard
31	PVC	PTFE	Ceramic	PVC	
41	PVDF	PTFE	Ceramic	PVDF	Special
11°/12°	Electric Motor Type [kW]				
Q4	1.1 (4 poles - 230 Vac - 50 Hz - 3 ph)				
13°	Stroke Regulation				
0	Manual				
L	Automatic linear SEKO				
14°	Customization				
0	Standard				
15°	Optional				
0	Standard				

  

M	S4	G	210	C	21	Q4	0	0	0
---	----	---	-----	---	----	----	---	---	---

### HYDRAULIC CHARACTERISTICS

Pump Model	Diaphragm Diameter [mm]	Stroke/min	Flow rate		Max back pressure				Suction/Discharge Connection	Electric Motor 50 Hz 3 phases [kW]
					bar		p.s.i.			
			l/h	gl/h	SS 316	PVC/PVDF	SS 316	PVC/PVDF		
M S 4 G 2 1 0 C	210	116	2,000	526	4	4	58	58	DN50-PN10 RF	1.1 (Q4)
M S 4 G 2 1 0 L		93	1,600	421						
M S 4 H 2 1 0 C		116	1,000	263						
M S 4 H 2 1 0 L		93	800	211						

### PUMP HEAD MATERIAL

Material	Standard		Special
	21	31	41
Pump Head	SS 316	PVC	PVDF
Diaphragm	PTFE	PTFE	PTFE
Seal	PTFE	PTFE	PTFE
Valves	SS 316	Ceramic	Ceramic
Seat Valves	SS 316	PTFE	PVDF

### DIMENSIONS

