

Water & Industry

Motor-Driven Dosing Pumps 2025









Motor-Driven Dosing Pumps





Product Overview

		Kosmo MM2	Kosmo MM1	Spring PS2	Spring PS1	Spring MS1	Spring MSV	Spring with Elektra
			Ç					
Performance	Flow rate range [I/h]	80 - 2,300	9 - 530	2.5 - 1,000	1.5 - 304	5.5 - 1,200	10 - 120	1.5 - 1,000
renormance	Pressure [up to - bar]	10	12	100	20	16	5	20
	On the base	•	•	•	•	•	•	•
Installation Mode	Bracket for base			•	•	•		•
	Bracket for tank			•	•	•		•
	3 phase	•	•	•	•	•	•	•
Motor	1 phase			•	•	•	•	
	Servoventilated	•	•	•	•	•	•	
Stroke Length	Manual	•	•	•	•	•	•	•
Regulation	Electric actuator			•	•	•		
	PVC			•	•	•		•
Pump Head (FPM and	PP					•		•
EPDM seals)	PVDF	•	•			•	•	•
	SS316L	•	•	•	•	•	•	•
Special Pump Head	SS316L NBR + PTFE piston seals			•				
Proportional Dosing	External signal							•
Communication	Wi-Fi							•
Communication	Modbus							•

For precision, consistency and reliability, choose Kosmo

A range of electric motor-driven pumps with mechanical diaphragm liquid ends and mechanical return aimed at delivering exceptional performance across a wide range of flow and pressure environments.

A wide range of applications

Suitable for a wide range of applications including a variety of water-treatment processes, Kosmo can be effectively used in any of the following:



Potable water treatment (injection of coagulants, flocculating agents, sodium hypochlorite, lime slurry, acid, bases, caustic soda, activated carbon and more)



Domestic or industrial wastewater treatment, boiler feed water and cooling water



Chemical treatment, electrolytic (electro-plating) treatments: addition of degreasing agents, cleaning agents, nickel electroplating and chemical nickel plating, copper plating and tinning







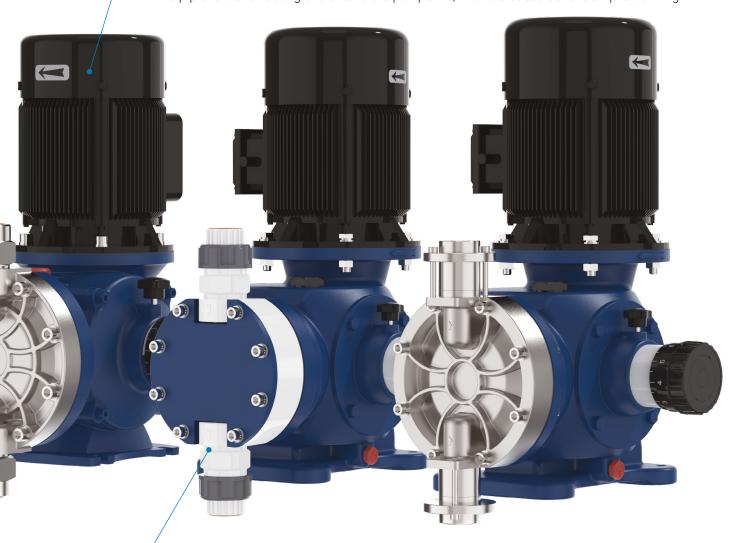
Features & benefits



Ideal for prolonged, continuous usage

As with all SEKO pumps, Kosmo is designed using materials chosen for their robustness and chemical compatibility and is conceived to work for long periods of continuous operation thanks to the benefits derived from its variable eccentric system. SEKO's Kosmo PTFE diaphragm is directly linked to the mechanism's moving parts meaning Kosmo can easily deal with high suction head conditions.

All components feature permanent lubrication, using ball bearings for the principal moving parts to help prevent overheating and extend the pump's life, with the added benefit of quiet running.





Ideal when you need high flow rates at medium/low discharge pressures

The Kosmo range comprises two principal models, MM1 and MM2, and is designed to be compact and robust. Kosmo offers great performance across a wide range of flow rates as low as 9 l/h up to 2,300 l/h. This makes Kosmo ideal for low discharge pressures in applications such as water treatment, food production and clean-in-place.

Kosmo MM2

Mechanical-return diaphragm dosing pump

- Flow rate range: 80 2,300 l/h, up to 10 bar
- Wetted parts: SS316L, PVDF, PTFE, FPM, EPDM and Ceramic

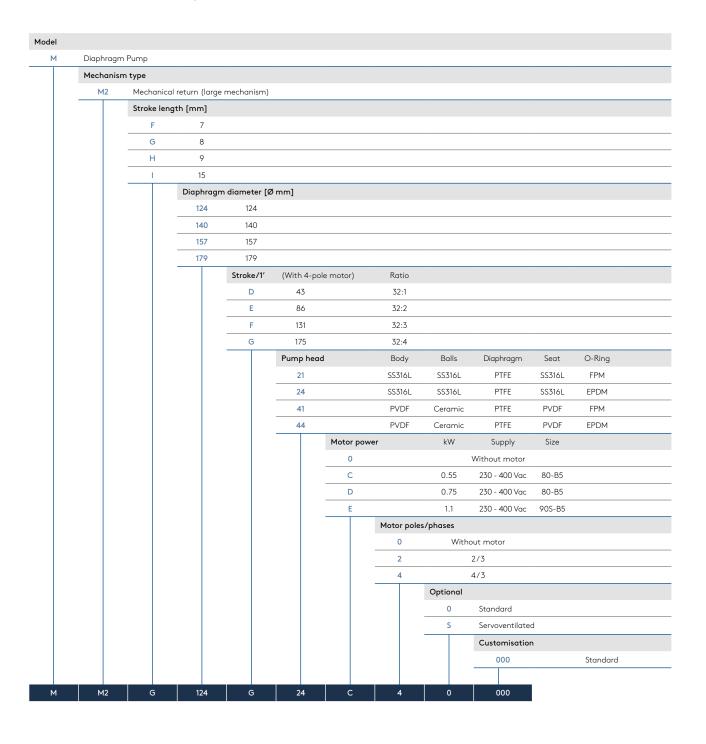




- Among the Kosmo pump range, the MM2 series pumps provide superior dosing performance, making them suitable for the most demanding applications. Constructed in hard-wearing metal with a cast-aluminium housing, Kosmo MM2 can handle the largest output with flow rates as high as 2,300 l/h, at pressures up to 10 bar.
- As with all SEKO pumps Kosmo is designed using materials chosen for their robustness and chemical compatibility
 and is conceived to work for long periods of continuous operation thanks to the benefits derived from its variable
 eccentric system. SEKO's Kosmo PTFE diaphragm is directly linked to the mechanism's moving parts, meaning
 Kosmo makes use of the motor's power both in the suction and delivery phases which allows it to deal with high
 suction head conditions.
- All components feature permanent lubrication, using ball bearings for the principal moving parts to help prevent overheating and extend pump life with the added benefit of quiet-running operation.

		Stroke	_			Conne	Connections				
Model	Diameter [mm]	length [mm]	Frequency [stroke/1']	Flow rate [I/h]	Max pressure [bar]	SS316L	PVDF	Motor/3ph [kW/pole]	Weight [kg]	LxWxH [mm]	
MM2F124D**C40000		7	43	80							
MM2F124F**C40000	124	/	131	250	10	BSPf ¾"	BSPf ¾"		56		
MM2G124G**C40000		8		450				0.55/4			
MM2G140G**C40000	140	0	175	600	7	DCD(1#	DCD(1#		/0	700 x 500 x 750	
MM2H157G**C40000	157	9		1,000		BSPf 1"	BSPf 1"		60		
MM2I179F**D40000	170	15	131	1,600	4	BSPf 1 %"	BSPf 1 ½"	0.75/4	68		
MM2I179G**E40000	179	15 –	175	2,300		DOFI'I /2	DOF (1 /2	1.1/4	00		

Kosmo MM2 key code



Kosmo MM1

Mechanical-return diaphragm dosing pump

- Flow rate range: 9 530 l/h, up to 12 bar
- Wetted parts: SS316L, PVDF, PTFE, FPM, EPDM and Ceramic

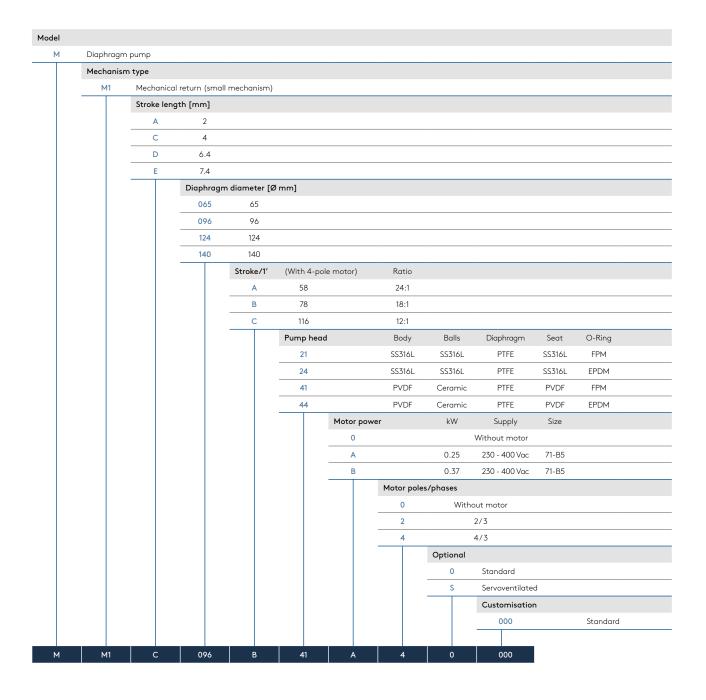




- Featuring characteristics and functions very similar to those of the MM2 models, the MM1 systems of the Kosmo range have smaller dimensions and can be used effectively where the required flow rates are lower, but it is necessary to work at slightly higher pressures. In fact, these pumps can handle flow rates of up to 530 I/h and can work at pressures up to 12 bar.
- These models are manufactured from materials that deliver superior robustness and chemical compatibility and
 are designed to operate continuously for long periods, thanks in part to the benefits of the variable eccentric
 system. The PTFE diaphragm is directly connected to the mechanism and this allows the pump to exploit the
 power of the motor both in suction and delivery phases, allowing it to work even in high suction head conditions.
- All components benefit from permanent lubrication, using ball bearings for the principal moving parts that help prevent overheating and extend pump life with the added benefit of quiet running.

	5	Stroke Fraguency Flow rate					Packing size			
Model	Diameter [mm]	length [mm]	Frequency [stroke/1']	Flow rate [I/h]	Max pressure [bar]	SS316L	PVDF	Motor/3ph [kW/pole]	Weight [kg]	LxWxH [mm]
MM1A065A**A40000	65	2	116	9	12	BSPf ¼"	8x12 PE hose	0.25/4	16	
MM1C096B**A40000	96	4	- 78	53	10	BSPf ¾"	DN 10	0.2374	10	
MM1D124B**B40000	124		/6	170	7	BSPf ¾"	DCD(1/// DN100			450 x 300 x 550
MM1D124B**B20000	124	6.4	15/	340	-	DSPT %	DN 20	0.37/4	20	
MM1E140B**B20000	140	7.4	156	530	- o	BSPf 1."	DN 25			

Kosmo MM1 key code



Spring series: Robust and reliable motordriven dosing for water and industry

Featuring a spring return mechanism in an aluminium housing, these pumps always deliver robust, affordable and efficient power.

- SEKO's entry-level offering in motor-driven pumps is the Spring series, a range of pumps based on the spring return principle. Three sizes of mechanism and a wide selection of models with varying performance profiles allow the user to find the appropriate solution for almost any application, offering accurate dosing under varying pressure conditions.
- Available both in plunger piston and mechanically actuated diaphragm versions, SEKO's Spring pumps can be
 used almost universally in low-pressure applications and guarantee, in the membrane version, a zero-leakage
 dosing solution. Meanwhile, these systems offer flexibility in stroke length and motor speed, and can be coupled
 in various combinations.

A wide range of applications

Suitable for a wide range of applications including a variety of water-treatment processes, Spring can be effectively used in any of the following:



Chemical treatment, electrolytic (electro-plating) treatments: addition of degreasing agents, cleaning agents, nickel electroplating and chemical nwickel plating, copper plating and tinning



Potable water treatment (injection of coagulants, flocculating agents, sodium hypochlorite, lime slurry, acid, bases, caustic soda, activated carbon and more)

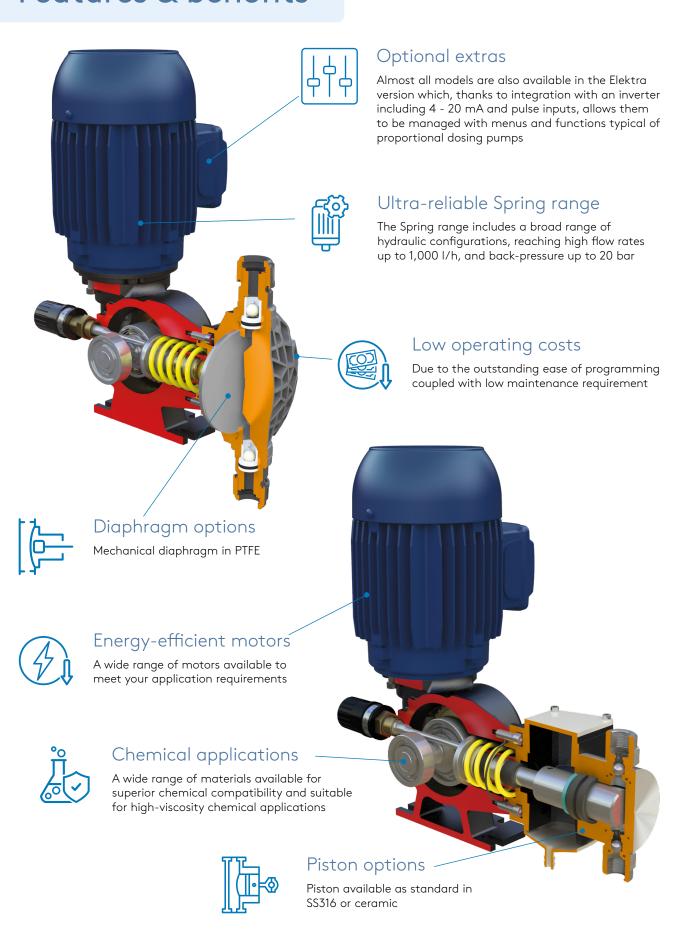


Domestic or industrial wastewater treatment, boiler feed water and cooling water





Features & benefits



Spring PS2

Spring-return plunger piston dosing pump

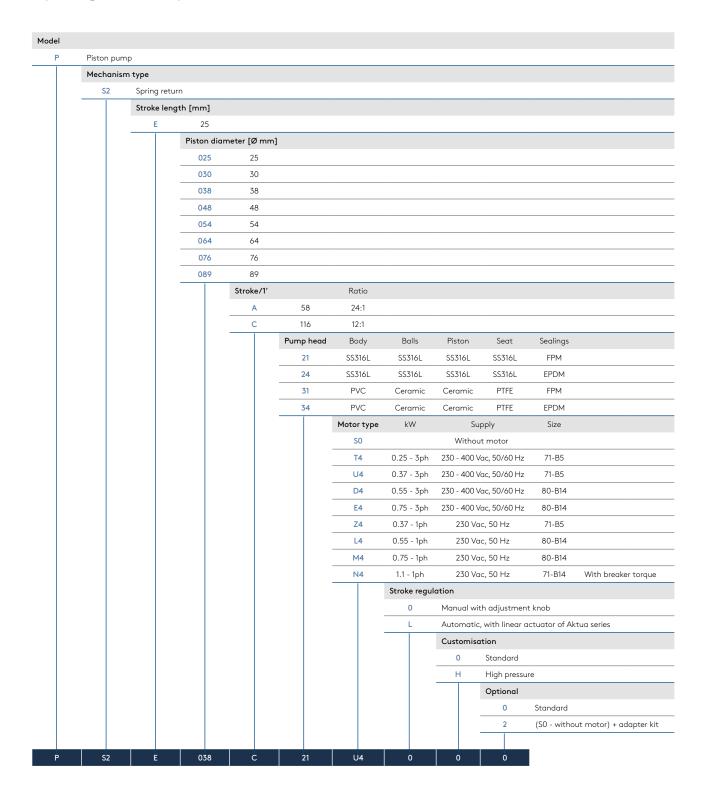
- Flow rate range: 40 1,000 l/h, up to 20 bar
- Wetted parts: SS316L, PVC, PTFE, FPM, EPDM and Ceramic
- The PS2 series of piston dosing pumps offers multiple combinations of pump head, motor power and stroke lengths that enable it to be arranged in several hydraulic configurations, making the range suitable for multiple applications.
- PS2 pumps have a spring-return mechanism in a robust aluminium housing, and each model can be configured with two different stroke rates. To adjust the flow rate of the pump, the stroke length can be adjusted manually or even automatically, by using the Aktua kit controlled by a 4 - 20 mA signal or by a pulse-emitting water meter.
- PS2 pumps are available with a 3-phase or a singlephase electric motor, both with IP55 protection.



		Stroke			Max press	sure [bar]	Conne	ections		Weigh	t [kg]	Packing size
Model	Diameter [mm]	length [mm]	Frequency [stroke/1']	Flow rate [I/h]	SS316L	PVC	SS316L	PVC	Motor [kW/pole]	SS316L	PVC	LxWxH [mm]
PS2E025A**T4000	25		58	40	20	10	DCD(3/#	DCD(I//	0.25/4	15.5	14.5	
PS2E025C**T4000	25		116	80	20	10	BSPf %"	BSPf %"	(T4)	15.5	14.5	
PS2E030A**T4000	- 30		58	55	20	10	BSPf ¾"	BSPf ¾"	0.25/4	15.5	14.5	
PS2E030C**T4000	- 30		116	112	20	10	DSPT %	DSPT %	(T4)	15.5	14.5	
PS2E038A**U4000	7.0		58	90	20	10*	DCD(1///	DCD(1/#	0.37/4	10.5	15.5	
PS2E038C**U4000	- 38		116	180	20	10^	BSPf ½"	BSPf ½"	(U4)	18.5	15.5	520 x 350
PS2E048A**D4000	40		58	140	20	10	DCD(1///	BSPf ½"	0.55/4	10.5	15.5	x 590
PS2E048C**D4000	- 48	25	116	284	20	10	BSPf ½"	IST 1 /2 DST 1 /2	(D4)	18.5	15.5	
PS2E054A**D4000	F.4	25	58	40	15	10	DCD(1///	DCD(1/#	0.55/4	20.5	1/ 0	
PS2E054C**D4000	- 54		116	80	15	10	BSPf ½"	BSPf ½"	(D4)	20.5	16.0	
PS2E064A**E4000			58	250	10	10	DCD(3/#	DCD(I///	0.75/4	21.5	1//5	_
PS2E064C**E4000	64		116	505	10	10	BSPf ¾"	BSPf ¾"	(E4)	21.5	16/5	
PS2E076A**E4000	7,		58	365	-	-	DCD(4#	DCD(4#	0.75/4	00.5	10.5	
PS2E076C**E4000	76		116	730	7	7	BSPf 1"	BSPf 1"	(E4)	28.5	18.5	650 x 300
PS2E089A**E4000	90		58	495	F	F	DCD(1//	DCD(1//	0.75/4	70 F	10.0	x 560
PS2E089C**E4000	- 89		116	1,000	5	5	BSPf 1"	BSPf 1" BSPf 1"	(E4)		19.0)

 $[\]ensuremath{^{\star}}$ Available with special Enforced Pump Head for use up to 16 bar

Spring PS2 key code



Spring PS2 HP

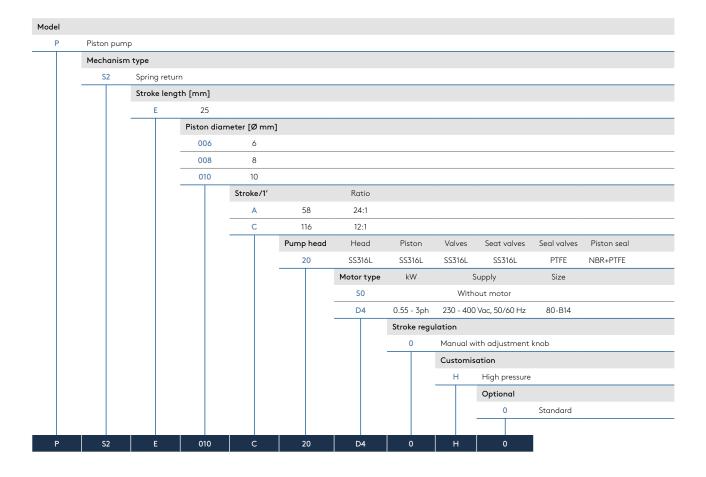
Spring plunger piston dosing pump for high pressure

- Flow rate range: 1.5 12 l/h, up to 100 bar
- Wetted parts: SS316L, PTFE, NBR
- The PS2 HP series of high-pressure piston dosing pumps can adapt to a large number of applications. Like other variants in the Spring pump series, PS2-HP has a spring-return mechanism in a sturdy aluminium housing but is equipped with special pump bodies, expressly recommended for high-pressure applications that allow this range to dose with backpressures up to 100 bar.
- This model has two stroke rates. Stroke lengths can be set manually with a knob. To achieve the given performance, these pumps need to be actuated by a 3-phase motor, provided with an IP55 protection classification.
- Spring PS2 HP has been designed for use in applications requiring an economic and practical solution for dosing small amounts of product at high pressure, up to 100 bar: in a boiler, for example.



Model	Piston Diameter [mm]	Stroke length [mm]	Frequency [stroke/1']	Flow rate [I/h]	Max pressure [bar]	Connections	Motor [kW/pole]	Weight [kg]	Packing size L x W x H [mm]
PS2E006A20D40H0	,		58	1.5					
PS2E006C20D40H0	- 6		116	3	100	BSPm ¼"	0.55/4 (D4)	10	435 x 295
PS2E008A20D40H0	- 8	25	58	4					
PS2E008C20D40H0	0	23	116	8					x 520
PS2E010A20D40H0	- 10		58	6					
PS2E010C20D40H0	10		116	12					

Spring PS2 HP key code



Spring PS1

Spring-return plunger piston dosing pump

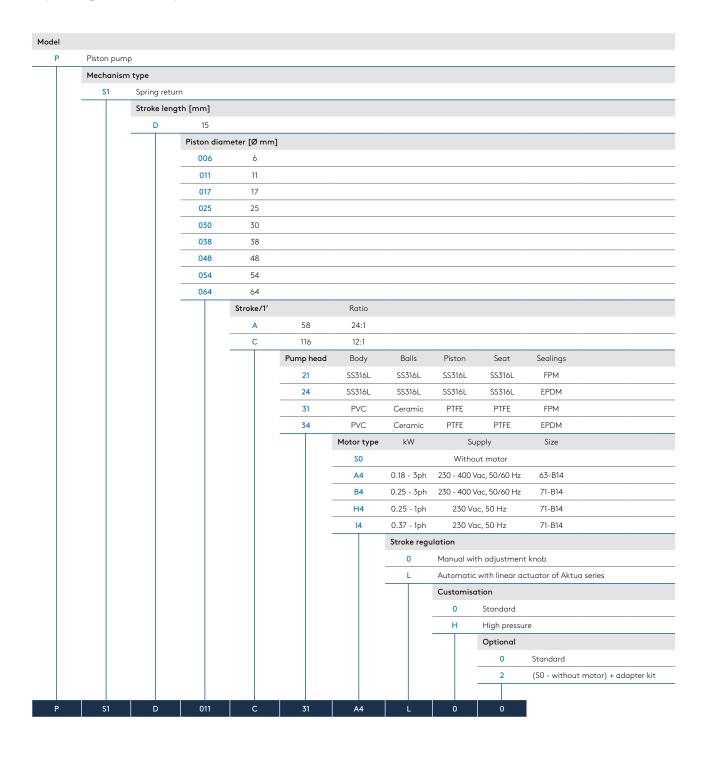
- Flow rate range: 1.5 304 l/h, up to 20 bar
- Wetted parts: SS316L, PVC, PTFE, FPM, EPDM and Ceramic
- The PS1 series is designed for applications that require lower flow rates than the PS2 series while offering multiple combinations of pump head, motor power and piston stroke length. This achieves multiple hydraulic characteristics for adapting to a large number of applications.
- Like PS2, each model can be configured with two different stroke rates and is available with 3-phase or single-phase motors, both with IP55 protection.
- Versions with a 12 Vdc motor are available that achieve flow rates between 34 and 350 l/h at pressure up to 20 bar.



		Stroke			Max press	ure [bar]	Conne	ections		Weigh	t [kg]	Packing size
Model	Diameter [mm]	length [mm]	Frequency [stroke/1']	Flow rate [I/h]	SS316L	PVC	SS316L	PVC	Motor [kW/pole]	SS316L	PVC	LxWxH [mm]
PS1D006A**A4000	- 6		58	1.5	20	10	BSPf ¼"	BSPf ¼"	0.18/4	10.0	8.5	
PS1D006C**A4000	0		116	3	20	10	DSF1 74	D3F1 74	(A4)	10.0	6.5	
PS1D011A**A4000	- 11		58	5	20	10*	BSPf ¼"	BSPf ¼"	0.18/4	10.0	8.5	
PS1D011C**A4000	11		116	10	20	10^	DSPT /4	DSPT //4	(A4)	10.0	6.5	
PS1D017A**A4000	- 17		58	11	- 20	10*	BSPf ¾"	BSPf %"	0.18/4	10.0	8.5	435 x 295
PS1D017C**A4000	17		116	22	20	10^	DSPT %	D3PT %8	(A4)	10.0	6.5	x 520
PS1D025A**A4000	- 25		58	25	20	10*	BSPf ¾"	BSPf %"	0.18/4	10.0	8.5	
PS1D025C**A4000	25		116	50	20	10	DSF1 78	D3F1 78	(A4)	10.0		_
PS1D030A**B4000	- 30	25	58	35	20	10*	BSPf ¾"	BSPf ¾"	0.25/4	11.5	10.0	
PS1D030C**B4000	30	25	116	70	20	10"	DSF1 78	D3F1 78	(B4)	11.5	10.0	
PS1D038A**B4000	- 38		58	55	17	10*	BSPf ¾"	BSPf ¾"	0.25/4	13.0	10.0	
PS1D038C**B4000	36		116	110	17	10"	DSF1 78	D3F1 78	(B4)	13.0	10.0	
PS1D048A**B4000	- 48		58	85	10	10	BSPf ½"	BSPf ½"	0.25/4	13.0	10.0	
PS1D048C**B4000	40		116	170	10	10	DSF1 /2	D3F1 /2	(B4)	13.0	10.0	520 x 350
PS1D054A**B4000	- 54		58	110	. 8	8	BSPf ½"	BSPf ½"	0.25/4	15.0	10.5	x 590
PS1D054C**B4000	54		116	220	0		DOFT /2	DOPT 1/2	(B4)	15.0	10.5	
PS1D064A**B4000	- 64		58	152		4	BSPf ¾"	BSPf ¾"	0.25/4	16.0	15	
PS1D064C**B4000	04		116	304	6	4	DOFT %4	DOFT %	(B4)	10.0	15	

 $^{^{\}star}$ Available with special Enforced Pump Head for use up to 20 bar

Spring PS1 key code



Spring MS1 AVS

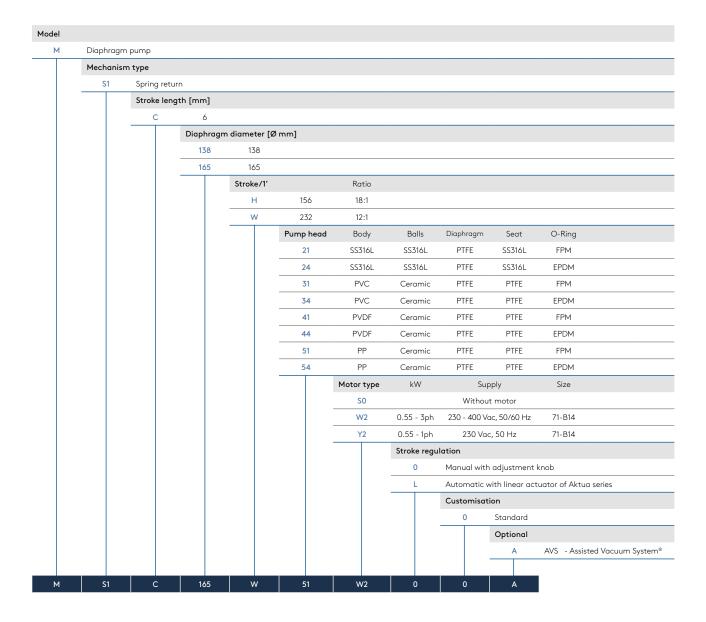
Spring-return diaphragm pump with Assisted Vacuum System®

- Flow rate range: 450 1,200 l/h, up to 4.5 bar
- Wetted parts: SS316L, PVC, PP, PVDF, PTFE, FPM, EPDM and Ceramic
- The AVS (Assisted Vacuum System®) is a technical solution patented by SEKO that helps overcome the typical functional limitations of pumps with a spring return. Using this mechanism allows pump performance to be improved by allowing dosing frequency to be raised (stroke/min) without compromising diaphragm lifespan.
- Thanks to AVS, Spring MS1 AVS can reach a flow rate of 1,200 I/h while keeping noise and mechanical stress at a reduced level. Each model can be configured with two different stroke rates and is supplied with a three-phase 2-pole electric motor with IP55 protection.



	Diameter	Stroke length	Frequency	Flow rate	Max pressure		Motor	Weigh	nt [kg]	Packing size
Model	[mm]	[mm]	[stroke/1']	[l/h]	[bar]	Connections	[kW/pole]	SS316L	Other	[mm]
MS1C138H**W2000	138		156	450	- 4.5			18.5	12.5	
MS1C138Q**W2000	130	6	232	750	4.5	BSPF 1"	0.55/2 (W2)	18.5	12.5	520 x 350 x 590
MS1C165Q**W2000	165		232	1,200	2			22.0	13.5	

Spring MS1 AVS key code



Spring MS1

Spring-return mechanical diaphragm dosing pump

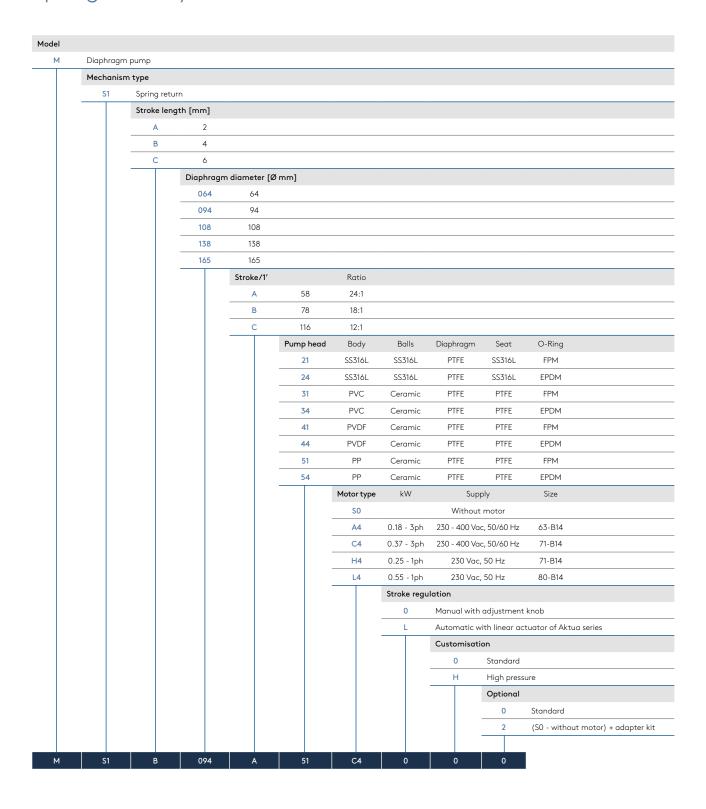
- Flow rate range: 5.5 500 l/h, up to 16 bar
- Wetted parts: SS316L, PVC, PP, PVDF, PTFE, FPM, EPDM and Ceramic
- The MS1 series offers multiple combinations of pump head motors, stroke lengths and materials that allows operators the chance to select the optimal combination appropriate to the specific 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.



		Stroke			Max	pressure	[bar]	Conne	ections		Weigh	nt [kg]	Packing size
Model	Diameter [mm]	length [mm]	Frequency [stroke/1']	Flow rate [I/h]	SS316L	PP/ PVC	PVDF	SS316L	Other	Motor [kW/pole]	SS316L	Other	LxWxH [mm]
MS1A064A**A4000			58	5.5									
MS1A064B**A4000	64		78	8	16	10	10	BSPf ¼"	BSPf ¼"	0.18/4 (A4)	10.5	8.5	
MS1A064C**A4000		2	116	11						. ,			
MS1A094A**A4000		2	58	20									
MS1A094B**A4000	94		78	26	16	10*	10*	BSPf ¾"	BSPf ¼"	0.18/4 (A4)	11.0	8.5	
MS1A094C**A4000			116	40						, ,			
MS1B108A**A4000			58	60									
MS1B108B**A4000	108	4	78	80	10	10*	10*	BSPf ¾"	BSPf ¾"	0.18/4 (A4)	13.5	10.0	520 x 350 x 590
MS1B108C**A4000			116	120						. ,			
MS1C138A**C4000			58	155				BSPf ¾"	BSPf ¾"				
MS1C138B**C4000	138		78	220	7	7	7	DSPT %	D3PT 7/4	0.37/4 (C4)	18.5	12.5	
MS1C138C**C4000		,	116	310				BSPf 1"	BSPf 1"	` '			
MS1C165A**C4000		6 58 230 165 78 330 116 500	58	230	5	5	E						
MS1C165B**C4000	165		5	Э	5	BSPf 1"	BSPf 1"	0.37/4 (C4)		13.5			
MS1C165C**C4000			116	500	3	3	3			` ′			

^{*} Available with special Enforced Pump Head for use up to 16 bar

Spring MS1 key code



Spring MSV

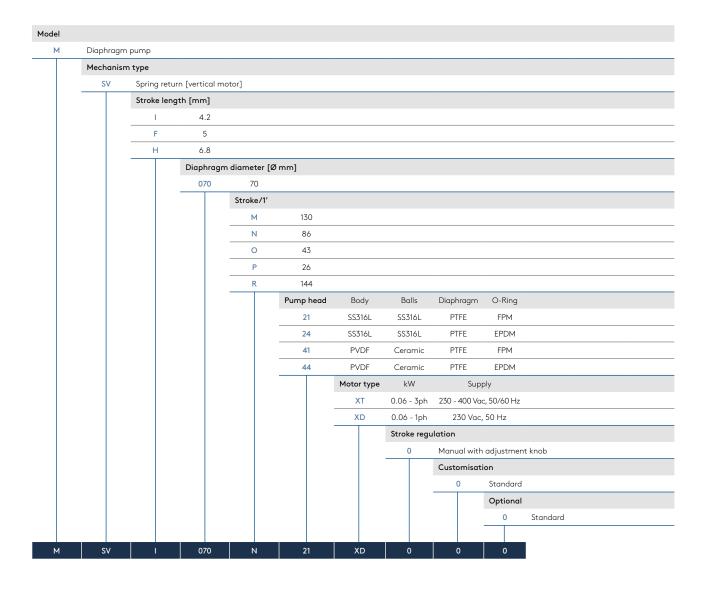
Spring-return diaphragm dosing pump

- Flow rate range: 10 120 l/h, up to 5 bar
- Wetted parts: SS316L, PVDF, PTFE, FPM, EPDM and Ceramic
- MSV pumps are the latest addition to the Spring range. These diaphragm dosing pumps are designed to ensure reliable and effective long-term dosing of chemicals at an affordable cost. They feature motorised mechanisms with high-performance, high-efficiency motors, mounted vertically over their PP casing to save space, especially where pumps are installed adjacent to one another.
- Thanks to its double-camshaft mechanical structure, the pump offers high levels of stability while maintaining quiet operation and exceptionally accurate flow rates.
- Adaptable to a wide range of uses, Spring MSV stands as an excellent compromise between cost and a high dosing accuracy across a wide variety of liquids, sludge and chemicals.



	5	Stroke	-		Max pres	sure [bar]	Conne	ctions		147 * 1 ·	Packing size
Model	Diameter [mm]	length [mm]	Frequency [stroke/1′]	Flow rate [I/h]	SS316L	PVDF	SS316L	PVDF	Motor [kW/pole]	Weight [kg]	LxWxH [mm]
MSVI070P**XD000			26	10							
MSVI070O**XD000		4.2	43	20							
MSVI070N**XD000	70	4.2	86	40	5	5	DCD(I//	0.10	0.06/4	0.5	370 x 280
MSVI070M**XD000	70		130	60			BSPf ¾"	8x12	(XD)	9.5	x 470
MSVF070R**XD000		5	144	90							
MSVH070R**XD000		6.8	144	120	3	3					

Spring MSV key code



Spring with Elektra

Spring pumps with electronic control for proportional dosing





SEKO brings IoT to mechanical chemical dosing





Features & benefits

Digital control

- Multiple operating modes timed, batch, manual, proportional from analogue or digital signals: 1:N, N:1
- Intelligent graphic display shows red, yellow or green backlight, according to the current operating function
- Electronic control unit interface can be fixed in multiple positions to facilitate operation/installation

IoT connection

- Remote programming and monitoring of the pump via any internet-connected device including smartphone, tablet or PC
- Wireless local connection to the pump is possible even if there is no Wi-Fi at the installation site
- Data on demand grants secure remote data management and programming of the pump via the SekoWeb portal or app, from any location worldwide
- Real-time and historic data available 24/7
 directly to any smart device or PC, including
 alarms to help drive effective maintenance
 planning and rapid technical intervention

Advantages of the Spring series

- Includes a broad range of hydraulic configurations, reaching high flow rates up to 1,000 l/h, and backpressure up to 20 bar
- Wide range of applications suitable for highviscosity chemical applications
- Exceptionally low operating costs due to the outstanding ease of programming coupled with low maintenance requirement
- **Energy-efficient** motors plus a wide range of materials available for superior chemical compatibility





Spring with Elektra

Motor-driven pumps with spring return, electronic control and IoT



Smart graphic display

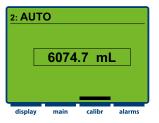
Offers not only a graphic intuitive interface, but also changes colour according to operating function.



Red - shows alarm mode



Yellow - shows the control unit is connecting to a smart device



Green - shows after the successful completion of a calibration process



Simple fast programming

Elektra's controller allows quick and easy programming from any smart device or laptop, both remotely as well as from the display.



Manual adjustment of stroke length

Provides the ultimate in accuracy when combined with the digital dosing of Elektra's controller.



External connectors

Elektra's external connectors allow the pump to be connected to its accessories and signals from the field without opening its case. The screw terminals available in the plugs supplied allow technicians to cut the connection cables to the right length, directly in the field – enabling clean installations without the need for special tools or excess wiring.



Spring with Elektra technical features

Like all Spring pumps, those equipped with Elektra are based on a spring-return mechanism housed in a sturdy aluminium case, and always provide robust, and effective power. Elektra enhances these benefits by allowing users to link the dosage to signals from the field, and monitor and to programme the pump both locally and via the internet through any smart device or PC.

Hydraulic characteristics

Model	Flow rate [I/h]	Max pressure [bar]	Frequency [stroke/1']	Stroke length [mm]	Diaphragm diameter [mm]	Ingress protection rating
MS1A/B/C Diaphragm pump	up to 500	up to 16	1 - 116	2/4/6	up to 165	IP55
PS1 D Piston pump	up to 304	up to 20	1 - 116	15	up to 64	IP55
PS2 E Piston pump	up to 1,000	up to 20	1 - 116	25	up to 89	IP55

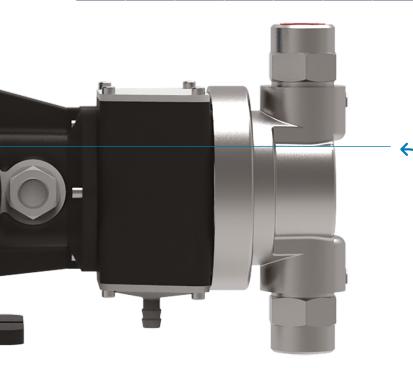
Spring with Elektra key code

Motor type	kW [3ph]	Size
AE	0.18	63-B14
BE	0.25	71-B14
CE	0.37	71-B14
DE	0.55	80-B14
EE	0.75	80-B14
TE	0.25	71-B5
UE	0.37	71-B5

 Optional

 N
 Elektra - Wi-Fi connection

 M
 S1
 A
 094
 A
 51
 CE
 0
 0
 N





- Manua
- Batch
- Timed
- Proportional to mA
- Proportional to V
- PPM
- Proportional to pulses

Spring with Elektra

Motor-driven pumps with spring return, electronic control and IoT

Data on demand

In a world that is increasingly connected, Elektra brings the benefits of data on demand, essential to running an efficient operation across potentially complex installations. Designed to manage operating costs of plants and installations that are continuously under financial pressure, Elektra helps improve cost management and provides peace of mind driven by the knowledge of consistently precise dosing and control.

Direct connection

Even if there is no Wi-Fi network at the installation site, the technician present can connect directly with their smartphone, tablet or PC to Elektra's built-in Wi-Fi hub in order to programme the pump and check its status.

Remote connection via the internet

Where there is a Wi-Fi network, Elektra can use the same communication module integrated in its controller to connect to the internet and exchange data with the cloud, thus allowing the pump to be managed remotely from anywhere in the world, through the portal or the SekoWeb app. Qualified technicians will therefore be able to quickly obtain historical and real-time data on the operation of the pump and be notified in the event of alarms or warnings generated by the system. This allows scheduled maintenance to be planned and reported anomalies to be actioned immediately by remotely reprogramming the pump's dosing parameters.

Elektra web interface

Whether you are operating locally or remotely, the Elektra web interface provides the operator with:

- Instant values: displays overview of the realtime status of the system including pump operating mode, pump status and alarm status.
- Graphs and levels: displays the time graphs of the several pump parameters chosen for monitoring by the user.
- Alarms: displays the active alarms. If the pump has been registered in the portal and is being accessed through SekoWeb, it is possible to view the log of all the received alarms with date, time and type.
- **General settings:** a section where the user can set the operating mode of the pump and adjust dosing parameters.

- **Statistics/counters:** provides an overview of the statistics of the system under control.
- Advanced settings: available only to users with appropriate permissions, this allows them to set other advanced device parameters and to stop, start and pause the pump remotely.
- When accessing the local pages of the internal webserver, further sections are available for updating pump firmware and setting network parameters, such as the password of the Wi-Fi network, needed to connect the device to the internet.



Modbus RTU over RS485 serial port

Modbus standard protocol means cross-device connection and communication, allowing the user to create a wired network of standard Modbus devices. Elektra can become part of bigger plant, made of several industrial devices, all controlled by a local controller such as a PC or PLC.

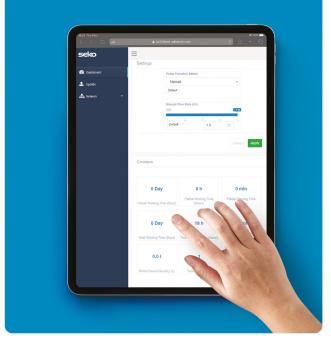


Wi-Fi for a direct connection and connecting online

Elektra's integrated Wi-Fi interface allows both local direct connection to the pump's internal programming webpages from any smart device, and the connection of the pump to a Wi-Fi network available in the plant, to allow the pump to be monitored and programmed remotely via the internet, through the SekoWeb portal or app.







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