



# SPP **STEP**

Programmable dosing pump

**DOSING  
PRECISION**

**ADVANCED  
PROGRAMMING**

**SIMPLE  
INTEGRATION**

# Revolutionize your dosing process.

The SPP™ STEP peristaltic dosing pump provides maximum precision and superior reliability thanks to its advanced programming features, fully meeting the specific requirements of your industry.



### Easy integration

Ultra-compact pump.  
Direct connection to 230V 50Hz socket



### Great compatibility

Available tubes: Tecknoprène®, Silicone, Viton®.  
Connectors available in PP, PVDF or Nylon.  
Good performance on viscous liquids.



### Improved ergonomics

Intuitive screen/button interface.  
Easy tube change (lid pivot, finger clearances).



# Focus on modularity.

The programmable interface combined with different input/output modes allows for all possible integrations.



# A wide range of features.



1



## Volumetric dosing

The SPP™ STEP pump is designed to deliver precise volumes of liquid with each cycle and constant flow, offering essential reliability in industrial processes where dosing precision is critical. The recalibration function adjusts the dosing according to the specific process needs and variations in operational conditions (density, viscosity, temperature), ensuring optimal flexibility.

2



## Ultra-precise volumetric dosing by integrating a volumetric flowmeter (Option)

This option adapts the dosing according to external variables such as pressure or temperature, offering maximum flexibility to meet the dynamic requirements of complex industrial environments.

3



## Weekly timestamp type programmable dosing

The SPP™ STEP pump integrates weekly programming to inject a volume at specific days and times.

4



## Proportional injection by adding a flowmeter or volucompteur on the production line

This solution allows the SPP™ STEP pump to be connected to a flowmeter/volucompteur on the production or feed line. The SPP™ STEP pump will automatically and proportionally inject the product into the feed line. Example of application: injection of cutting fluid concentrate (5%) on the machine filling line.

5



## pH or redox type regulation

Thanks to its 4-20mA analog input, a pH or redox probe can be connected to the SPP™ STEP pump. Through the programmable interface, you can define control setpoints and parameters.

6



## Automation control

The SPP™ STEP pump can be controlled by external automata through its various inputs. Pulse type signal to order the pump to inject a defined quantity of liquid or Continuous signal to start the pump...

7



## Product end detection

The suction lance with sensor can be connected to the SPP™ STEP to warn the user that the product drum/jug is empty. A drum end message appears on the screen. Possibility to report the fault via the TOR output or on the light column.

8



## Fault reporting

The SPP™ STEP pump includes 3 TOR outputs to report information to automaton or light column.

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## Design your ideal solution!

A wide range of inputs/outputs to adapt to all your needs.  
Conditions are configurable through the interface.

Inputs

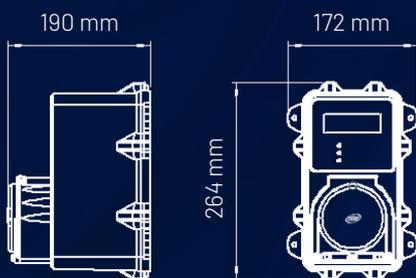
3 x DI  
1 x Analog 4-20mA

Outputs

3 x DI

## SPECIFICATIONS

# SPP STEP



### Programmable peristaltic dosing pump, plug & play.

Flow rate (L/h)	1 to 28
Max pressure (bar)	2
Max speed (rpm)	65
Power (W)	20
Frequency (Hz)	50
Power supply	230V AC
Weight (kg)	1.5
Dimensions (L x H x D)	17.2 x 26.4 x 19 cm
Effluent compatibility	Compatible with flexible hoses Ø8mm
Usage limits	45 min/h max, 220 days/year
Environmental conditions	Dry, covered, 10-40°C
Operating conditions	10-35°C, 30-60% humidity, vertical position on wall or table
Noise level (max)	< 70 dB at 20 cm
Noise level (half-speed)	< 45 dB

## SPP SERIES

# OEM Dosing Pumps



**SPP 4**



**SPP 50**



**SPP 90**

	SPP 4	SPP 50	SPP 90
Flow rate (L/h)	0.08 - 3.6	0.94 - 15	20.4 - 126
Max pressure (bar)	2	2	2
Max speed (rpm)	10 - 60	65 - 125	65 - 240
Power (W)	5 - 12	12 - 45	12 - 45
Frequency (Hz)	50	50	50
Power supply	24V DC / 230V AC	24V DC / 230V AC	24V DC / 230V AC
Weight (kg)	0.4	1	1-1.5



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We are here to help.  
**Contact-us!**

