

SX-50 SpeedFill®

Tabletop peristaltic dosing pump.

*No cross contamination / Filling from 0.1 ÷ 1,050 ml / Flow up to 6.4 l/min / Accuracy ± 0.5 %
Changeover to a different product in 1 minute / Drip-free function / Automatic recalibration / Audit trail*



*Thanks to its asepsis and efficiency,
the best peristaltic pump in the market*

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Peristaltic head with 6 or 8 rollers, made of AISI-316L stainless steel, and two separated tracks for accurate and pulse-free pumping.

//// Peristaltic filling has become, in a short time, a favourite filling system in pharmaceutical industry due to its sterility, flexibility and easy cleaning, as the product contacts only the peristaltic tubes and the dosing needles.



A SpeedFill® pump integrated into a filling and closing monoblock of intermittent motion.

The tabletop peristaltic pump we present, provides an accurate and high quality dosing of bottles, tubes, and vials.

The design has been made for use in sterile areas, in compliance with cGMP and US FDA regulations, and in special accordance with the requirements of the pharmaceutical industry.

SX-50 is propelled by a **powerful servomotor**, capable to drive up to 3 heads in series. The body of the head is built in one piece for better asepsis.

The peristaltic head **pumps the product in a smooth and progressive way**. It is excellent for dosing of suspensions, vaccines, cellular tissue, and other types of liquid (not viscous).



4 - 12 peristaltic pumps can be mounted on a mobile Skid.

This equipment is built with the best standard components in the market. Elements such as servomotor, gear, touch screen, or control PLC are easy to find and replace within any geographic area, which makes it easy to maintain.

Disposable platinum-cured silicone tubes are manufactured in an aseptic area, and they can be easily exchanged or even sterilized through autoclave or through Gamma rays radiation.

It is designed to work independently or be integrated into an industrial filling machine.

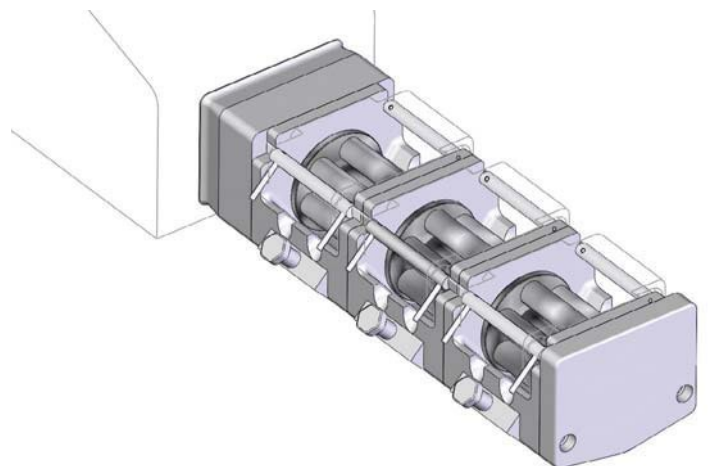
All production parameters can be saved in the PLC. The parameters are:

- Dosing volume.
- Kinematics of the filling process, individual control of both acceleration and deceleration of the servomotor.
- Time intervals between dosing.
- Calibration parameters.
- Drip-free function.
- Output.

Production parameters are automatically adjusted and associated to each recipe. The machine can store up to 200 different recipes.

Optional equipment:

- Dosing nozzles, nozzle support and peristaltic tubes.
- Additional peristaltic head, up to 3 heads in series.
- Connection to micro scales and automatic recalibrating of the dosing volume.
- Peristaltic head completely made of AISI-316L stainless steel.
- Process data acquisition software in accordance with FDA 21CFR Part 11.
- Ex-proof execution: ATEX / NFPA-497 / NEC-500.
- IQ / OQ Validation package.



SX-50 SpeedFill® can connect up to 3 peristaltic heads in series.

SX-50 SpeedFill®

Dosing range:	0.1 ÷ 1,050 ml
Dosing accuracy:	Better than $\pm 0.5\%$
Dosing flow:	6.4 l/min per head
Peristaltic head:	Monoblock head built in one piece. Possibility to integrate 3 peristaltic heads in series. 6/8 high-precision rollers of low inertia, made of stainless steel. 2 separated tracks to avoid pulsation.
Tubes / dimensions:	Standard platinum-cured silicone. Conforms with GMP - US FDA. $\varnothing$ Int.: 0.5 / 0.8 / 1.6 / 3.2 / 4.8 / 6.4 / 8 / 9.6 mm. Thickness of the tube: 2.4 mm.
Electrical supply:	230 VAC – 50/60 Hz – 500 W
Electronics / Interface:	Standard electronics. Multi-language touch control screen. 1 x (24 VDC) input signal at dosing start. 1 x output signal at dosing end. 1 x RS-232/485 for printer / micro scale.
Weight (with 1 head):	12 kg
Materials:	AISI-304 / 316L stainless steel and anodised aluminum

Dimensions:

