



PERISTALTIC FILLING SYSTEM FSP

The peristaltic pump type FSP has been developed specifically with pharmaceutical and biotech liquid filling applications in mind. It features very high filling accuracy, an extended filling tube life cycle, and a wash down exterior. The pump head is easily removable from the base for cleaning or sterilization. The controls, including the PLC control system and servo drive, are located inside the enclosure. Operation and recipe development is intuitive via the integrated touch screen.



Several versions and configurations of the FSP peristaltic filling system are available:

- Benchtop models
For use in laboratories
- Pump carts
For retrofitting existing filling lines with accurate and reliable single use filling system
- Integrated versions
For full integration into OEM filling machines

Benefits and Features

- Very high dosing accuracy, consistent over the life cycle of the tubing
- Stainless steel 316L enclosure and FSP pump head
- Pump head removable from drive unit without the use of tools
- Disposable product contact parts
- No significant shear forces on pharmaceutical product
- Ease of integration into filling lines due to PLC controls

COLANAR, Inc.

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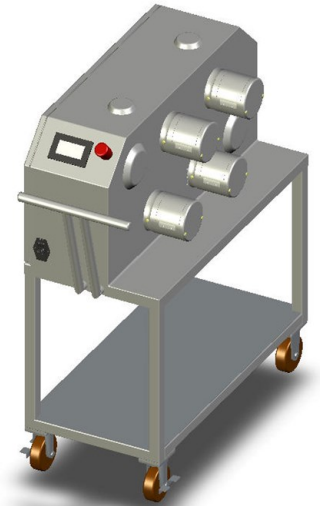
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PERISTALTIC FILLING SYSTEM FSP

Technical Data

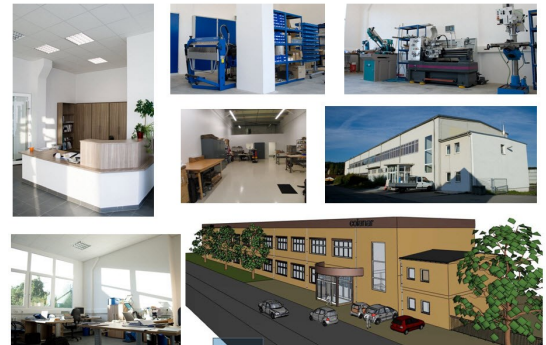
- Output: up to 60 fills / min, speed adjustable
- Range: 50 µl to 100 ml
- Weight: Approx. 10 kg (22 lbs), each FSP pump head
- Materials: Stainless steel 316 and PEEK plastics
- Dimensions: ø 112 mm x 120 mm (4.4" x 4.7"), each pump head



COLANAR specializes in advanced liquid filling systems and automated handling systems for Pharma and Biotech applications. With facilities in both Europe and North America we service a global customer base. We are dedicated to provide new and innovative solutions to our customers in the Life Science industries, both in our product offerings as well as our consulting and engineering services. COLANAR's special focus is on single use liquid filling systems and clinical and small scale syringe and vial filling equipment.

Our product offerings include:

- Extremely precise Rotary Piston Pump Filling Systems
- Advanced stainless steel Peristaltic Pumps
- Automated standalone syringe and vial filling machines
- Fully automated robotic autoclave loading systems
- Robotic Pharma filling systems for nested vials and syringes in isolator applications
- Bench top syringe filling systems for BD SCF Hypac[®] syringe nests
- Single use tubing assemblies, incl. surge bags, sterile connectors, pump tubing, and filling needles



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