



FILLING AND CLOSING MACHINE FSV

Colanar is proud to introduce its latest development – the fully automatic Filling and Closing Machine Type FSV. Specifically developed with pharmaceutical and biotechnology filling applications in mind, the FSV allows its users to process small to medium size batches with all the conveniences a full scale production machine would offer. This filling system is suitable for operation in conventional Laminar Flow hoods in laboratories.



The operator inserts a syringe nest into the nest carrier and then starts the filling process via the touch screen HMI. The FSV will automatically locate the syringe underneath the filling needle and lower the needle into the container. The FSV flushes the syringe with nitrogen before it starts the filling process automatically. Simultaneously to the filling process a rubber stopper is placed into the syringe that was previously filled using Colanar's unique vacuum stoppering system. Once the syringe is filled, the needle will retract and the FSV will index the syringe nest again to the next filling position. The FSV is also available for vials and cartridges.



Benefits and Features

- Extremely precise FSR rotary piston pump and/or FSP peristaltic pump dosing system
- Bottom-up vacuum filling station
- Integrated PLC with intuitive Touch Screen OIT and precision servo drives
- Prepared for operation under Laminar Flow hoods in laboratories
- Easy to clean, sealed exterior

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Technical Data

- Output: Up to 15 / min
- Fill Range: 50 µl to 20 ml
- Weight: 400 kg (approx. 880 lbs)
- Finish: All surfaces Stainless Steel and Plastics
- Dimensions: 1020 mm x 1200 mm x 1940 mm
(approx. 40" x 47" x 76")
- Power: 120V AC, 60 Hz



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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