



ROTARY PISTON PUMP FILLING SYSTEM FSR

The FSR rotary piston pump filling system has been developed specifically with pharmaceutical and biotech liquid filling applications in mind. It features an extremely high filling accuracy in combination with our FSD rotary piston pumps as well as a wash down stainless steel 316L exterior. The FSR filling system is controlled by a PLC and driven by precision servo drives. The touch screen interface is intuitive and guides the user through the setup and operation with ease.



Several versions and configurations of the FSR piston pump filling system are available:

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



Benefits and Features

- All stainless steel exterior, suitable for Pharma sterilization procedures
- Specifically designed for our COLANAR FSD rotary piston pumps
- Extremely high dosing accuracy
- Integrated PLC with Touch Screen and servo drives
- Prepared for full integration into pharmaceutical liquid filling machines
- Integrated drip retraction (“suck back”)

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Technical Data

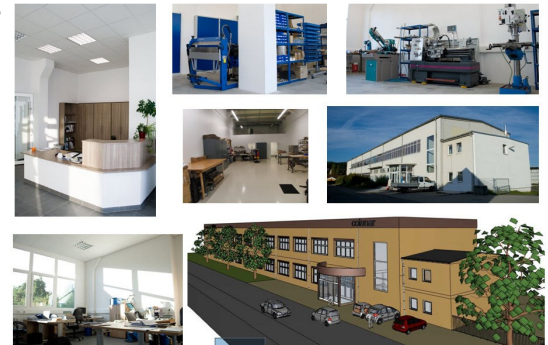
- Output: up to 60 fills / min, speed adjustable
- Range: 50 µl to 100 ml
- Material: Stainless steel 316L
- Pump Sizes: FSD 10 up to 1.5 ml
FSD 20 up to 10 ml
FSD 30 up to 50 ml
FSD 40 up to 100 ml



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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