

TOP 10 F.A.Q.'S



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1.

Q. What is the FENYX[®] Pump?

A. The FENYX Pump is built on Fluid Metering's (FMI) proven CeramPump[®] technology and delivers precise, repeatable fluid handling with electronically adjustable dispense volumes. Its compact design enables flexible dosing, flushing, and priming without hardware changes.

2.

Q. How does the FENYX Pump differ from fixed dispense pumps (STF)?

A. Fixed dispense pumps deliver a constant volume per revolution. The FENYX Pump adds a linear actuator that adjusts the pump angle, allowing dispense volume to change on the fly. This enables one pump to support both small volume precision dispensing and higher volume flushing or priming.

3.

Q. What control options are available for the FENYX Pump?

A. The FENYX Pump can be operated using FMI controllers or integrated with customer-supplied control systems, providing flexibility for a wide range of application requirements.

4.

Q. Does the FENYX Pump linear motor have an encoder, and if so, what type?

A. Yes, the FENYX Pump offers an option for a single ended encoder or a differential encoder.

5.

Q. Can the FENYX perform non-contact dispensing (dispensing over air)?

A. Yes, down to 4 μ L.

6.

Q. How much variation is there from pump to pump?

A. The calibrated flag reduces pump to pump variation to less than 0.5% of max dispense.

7.

Q. Is it necessary to account for step loss in linear motion systems?

A. No, the linear motor has a built-in anti-backlash mechanism.

8.

Q. What cycle times can be achieved with the FENYX Pump?

A. The FENYX Pump cycle time depends on dispense volume, fluid properties, and system configuration. In many applications, dispense times are comparable to or faster than traditional inline piston or syringe-based pumps.

9.

Q. How easy is it to integrate the FENYX Pump into my current instrument?

A. The FENYX Pump is engineered to integrate with most platforms. FMI's engineering team is prepared to support integration and can provide wiring diagrams, dimensional drawings, or application guidance upon request.

10.

Q. What maintenance is required for the FENYX Pump?

A. The FENYX Pump leverages FMI's proven CeramPump[®] technology to eliminate wear and reduce maintenance requirements. Designed for long service life, it delivers consistent, repeatable performance over extended operating cycles that often exceed the life of the instrument.



Fluid Metering's facility is certified to the ISO 9001:2015 international standard. Product components are manufactured to meet EU RoHS and REACH compliance requirements.