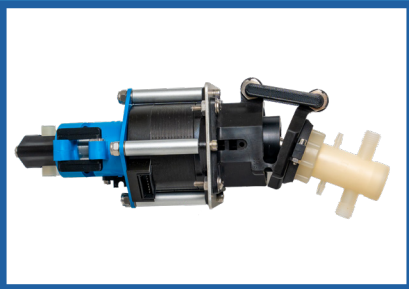


TOP 10 F.A.Q.'S



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DUPLEX PUMP

METERING & MIXING

1.

Q. What is the Duplex Pump?

A. The Duplex Pump is built on Fluid Metering's (FMI) proven CeramPump® technology and delivers precise, synchronized dual-fluid handling through two independently adjustable pump heads driven by a single motor.

2.

Q. What are the advantages of the Duplex Pump?

A. The Duplex Pump combines two independently adjustable pump heads on a single drive, providing synchronized fluid handling and consistent ratio control while simplifying system integration and reducing overall system complexity.

3.

Q. What mixing ratios can the Duplex Pump achieve?

A. The Duplex Pump supports configurable ratios from 1:1 up to 1:100 as standard, depending on pump head selection and configuration. Higher ratios are available upon request to meet application-specific requirements.

4.

Q. Can the Duplex Pump be used without mixing?

A. In addition to mixing, the Duplex Pump can independently deliver two fluids, dispense equal volumes simultaneously, or increase throughput by operating both heads in parallel.

5.

Q. What fluids can the Duplex Pump handle?

A. The Duplex Pump is well suited for aqueous solutions, buffers, low-to-moderate viscosity fluids, and chemically aggressive media with proper material selection, supported by inert and abrasion-resistant ceramic components.

6.

Q. Can the Duplex Pump handle continuous operation?

A. Yes, the Duplex Pump is designed for continuous duty cycles, including applications running up to 24/7, with minimal wear and long operational life.

7.

Q. Can the Duplex Pump handle crystallizing or challenging fluids?

A. Yes, with proper configuration the Duplex Pump can effectively manage crystallizing or challenging fluids.

8.

Q. What is the expected lifetime of the Duplex Pump?

A. Designed for long service life, the Duplex Pump delivers reliable, consistent performance across a wide range of operating cycles that often exceed the life of the instrument, depending on application conditions.

9.

Q. Can the 2 pump heads on the Duplex Pump run at different speeds?

A. No, since the Duplex Pump operates via 1 single motor, both heads will run at the same speed.

10.

Q. What industries or applications is the Duplex Pump best suited for?

A. The Duplex Pump is commonly used in environmental and analytical instrumentation, diagnostics, life sciences, industrial process control, and OEM fluid handling systems.



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.