



Eldex
Precision Under Pressure

Optos Series Fluid Metering Pumps

Stable flow. Extreme pressure.
Zero compromise.

The Optos™ Series from Eldex is engineered for applications where precision, reliability, and minimal downtime are non-negotiable. Designed for industrial & research environments and OEM configurations, Optos pumps deliver reliable flow precision under pressure.

Precision Metering Pumps

Optos Series metering pumps are used across a wide range of precision fluid handling applications including analytical and preparatory chromatography, industrial process, batch and continuous flow chemistry, high pressure dosing/ metering, and OEM equipment. Our pumps are commonly selected where precise flow control, minimal pulsation, and dependable performance are essential to system accuracy and repeatability.

Engineered for Continuous Operation

- ✓ Flow rate from 0.01 to 300mL/min
- ✓ Serviceable components
- ✓ Integrated piston wash system
- ✓ Proven long-term reliability
- ✓ Minimal downtime
- ✓ Backed by 50+ years of expertise

High Pressure Confidence

- ✓ Operating pressures up to 6000 psi
- ✓ Reciprocating piston design
- ✓ Controlled fluid delivery
- ✓ Pulse dampening & pressure monitoring options

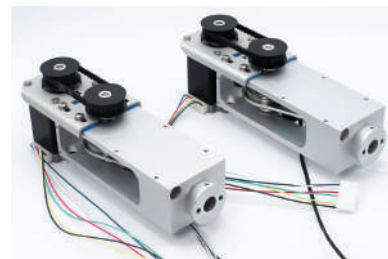
The Optos Series is purpose-built for applications where accuracy, consistency, and flow stability matter most.

Built for Extreme Conditions & Broad Chemical Compatibility

- ✓ Available in:
 - Hastelloy-C • 316 Stainless Steel • PEEK
- ✓ High-temperature capability (260°C)
- ✓ Handle acids, alkalis, solvents, and hydrocarbons

OEM Customization

Customized to your instrumentation, skid, or design requirements.



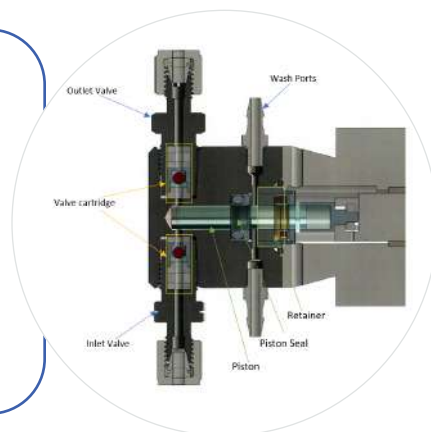
Solve your high pressure fluid
metering challenge today!

Partner with Eldex for precision fluid metering that lasts.
+1 707.224.8800, sales@eldex.com

Optos Series

When failure is not an option

High-precision fluid metering for stable, repeatable flow in laboratory, industrial, and OEM dosing applications. The Optos Series delivers long service life and dependable operation—minimizing downtime and total cost of ownership.



Eldex Optos Series

Optos Series pumps are highly configurable and are grouped into three pump models - allowing you to tailor performance precisely to your process requirements. For best efficiency and longevity, Optos pumps are designed to operate in the upper half of their rated flow range for optimal efficiency.

Model 1	Low Flow Liquid End	Standard Flow Liquid End	High Flow Liquid End
Optimal at lower flow rates Stroke length 0.125	1L .002-2.5 ml/min @ 6000 psi (max)	1S .003-5 ml/min @ 6000 psi (max)	1H .01-20 ml/min @ 3000 psi (max)
Model 2	Low Flow Liquid End	Standard Flow Liquid End	High Flow Liquid End
Optimal at medium flow rates Stroke length 0.250	2L .003-5 ml/min @ 6000 psi (max)	2S .01-10 ml/min @ 6000 psi (max)	2H .02-40 ml/min @ 1500 psi (max)
Model 3	Low Flow Liquid End	Standard Flow Liquid End	High Flow Liquid End
Optimal at high flow rates Stroke length 0.500	3L .01-10 ml/min @ 3000 psi (max)	3S .01-20 ml/min @ 1500 psi (max)	3H .04-80 ml/min @ 750 psi (max)

New Optos Accessories & Parts

HOT HEAD™



For waxy, viscous, or temperature sensitive fluids, pair your Optos pump with the HOT HEAD™ to prevent cooling, clogging, and flow instability.

Damper/Pressure Transducer



For minimized flow pulsation and/or pressure monitoring capabilities, choose from flexible pulse damper and pressure transducer configurations tailored to your application.

Integrated Check Valves



Designed for reliability and easy maintenance, the stainless-steel cartridge check valves feature integrated seals to minimize downtime by eliminating loose components.

Eldex

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