

COMING SOON
NEW Altos Series Fluid Metering Pumps

Altos CORE

- ✓ Compact, cost-effective OEM pump platform
- ✓ Remote control capability
- ✓ Handshake IP address communication
- ✓ Flow rates up to 100 mL/min
- ✓ Pressure capability up to 6000 psi

Altos SOLO

- ✓ Flow rates up to 100 mL/min
- ✓ Maximum pressure up to 6000 psi
- ✓ Upgraded modern touchscreen interface
- ✓ Enhanced and modernized I/O connectivity

Altos DUO

- ✓ Advanced pulse-dampened flow up to 200 mL/min
- ✓ Integrated wash port OPTION
- ✓ USB, Ethernet, Modbus, and RS-485 connectivity
- ✓ Expanded control and communication features

The Altos Series CORE, SOLO, and DUO represent the next generation of Eldex systems, combining modern adaptability and advanced integration while continuing the Eldex legacy of precision fluid metering and long-term reliability. More details are coming soon, and we're excited to share what's next.

Keep a lookout for additional product highlights and technical specifications, and be sure to contact us to be among the first to receive launch updates as we prepare to introduce the new Altos product family.

ALTOS. AIM HIGHER

Eldex
Precision Under Pressure

Partner with Eldex for precision fluid metering that lasts.
www.eldex.com

Altos Pump Specifications

Maximum flow rate specifications are based on theoretical volume displacement. Actual flow rates may vary depending on factors such as fluid viscosity, compressibility, and temperature. Maximum pressure ratings vary depending on the pump's materials of construction (MoC).

Common Specifications:

Wetted Parts MoC:	316 Stainless Steel Pumps: 316 SS, Graphite Fiber Reinforced PTFE (GFP), PCTFE (Kel-F), sapphire, ruby PEEK Pumps: PEEK, UHMW polyethylene, sapphire, ruby Hastelloy Pumps: Hastelloy-C-276, Graphite Fiber Reinforced PTFE (GFP), PCTFE (Kel-F), sapphire, ruby
Reproducibility:	±0.3% typical
Tubing Connections:	Standard connections vary by materials of construction. Other connections are available upon request. Standard inlet: 1/4-28 flat-bottom connection for 1/8" tubing Standard outlet: 10-32 coned connection for 1/16" tubing Compression-style connections are available for 1/8" tubing
Viscosity Limit:	Up to 200 Cp
Fluid Temperature Limit:	Up to 200°C/392°F; up to 260°C/500°F with ceramic/PEEK check valves
Electrical:	100-230 VAC; 50/60Hz

Operating Environment:

Ambient Temperature	5°- 35°C/41°- 95°F
Maximum Humidity:	85%, non-condensing

Pump Options (available for SOLO & DUO models only)

Damper	Available for 316 SS and PEEK pumps. Fluid temperature limit up to 76C°/170°F
Piston Wash System	Active piston seal wash system

Available Accessories

HOT HEAD	A quick install pump head accessory that maintains the pump head at a controlled temperature of up to 121°C/250°F. For pumps equipped with a damper, the maximum fluid temperature is 76°C/170°F

CORE	Flow Rate Range (min.to max.) mL/min.	Max. Pressure (psi)	Piston Diameter	Max. Piston Stroke	Piston Displacement	Standard Connections	
						Inlet	Outlet
C1L	0.002 – 3	6000	3/32”	0.125	.014 mL	1/4-28	10-32
C1S	0.003 – 6	6000	1/8”	0.125	.025 mL	1/4-28	10-32
C2S	0.010 – 12	6000	1/8”	0.250	.050 mL	1/4-28	10-32
C1H	0.010 – 25	4000	1/4”	0.125	.100 mL	1/8" Compression	
C2H	0.020 – 50	1250	1/4”	0.250	.200 mL	1/8" Compression	
C3H	0.040 – 100	500	1/4”	0.500	.400 mL	1/8" Compression	

SOLO	Flow Rate Range (min.to max.) mL/min.	Max. Pressure (psi)	Piston Diameter	Max. Piston Stroke	Piston Displacement	Standard Tubing Connections	
						Inlet	Outlet
S1L	0.002 – 3	6000	3/32”	0.125	.014 mL	1/4-28	10-32
S1S	0.003 – 6	6000	1/8”	0.125	.025 mL	1/4-28	10-32
S2S	0.010 – 12	6000	1/8”	0.250	.050 mL	1/4-28	10-32
S1H	0.010 – 25	5000	1/4”	0.125	.100 mL	1/8" Compression	
S2H	0.020 – 50	2000	1/4”	0.250	.200 mL	1/8" Compression	
S3H	0.040 – 100	750	1/4”	0.500	.400 mL	1/8" Compression	

DUO	Flow Rate Range (min.to max.) mL/min.	Max. Pressure (psi)	Piston Diameter	Max. Piston Stroke	Piston Displacement	Standard Tubing Connections	
						Inlet	Outlet
D1L	0.004 – 6	6000	3/32”	0.125	.014 mL	1/4-28	10-32
D1S	0.006 – 12	6000	1/8”	0.125	.025 mL	1/4-28	10-32
D2S	0.020 – 25	6000	1/8”	0.250	.050 mL	1/4-28	10-32
D1H	0.020 – 50	5000	1/4”	0.125	.100 mL	1/8" Compression	
D2H	0.040 – 100	2000	1/4”	0.250	.200 mL	1/8" Compression	
D3H	0.080 – 200	750	1/4”	0.500	.400 mL	1/8" Compression	

Contact us today to upgrade your dosing system.

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