



ERTELALSOP

THE FIRST NAME IN LIQUID FILTRATION

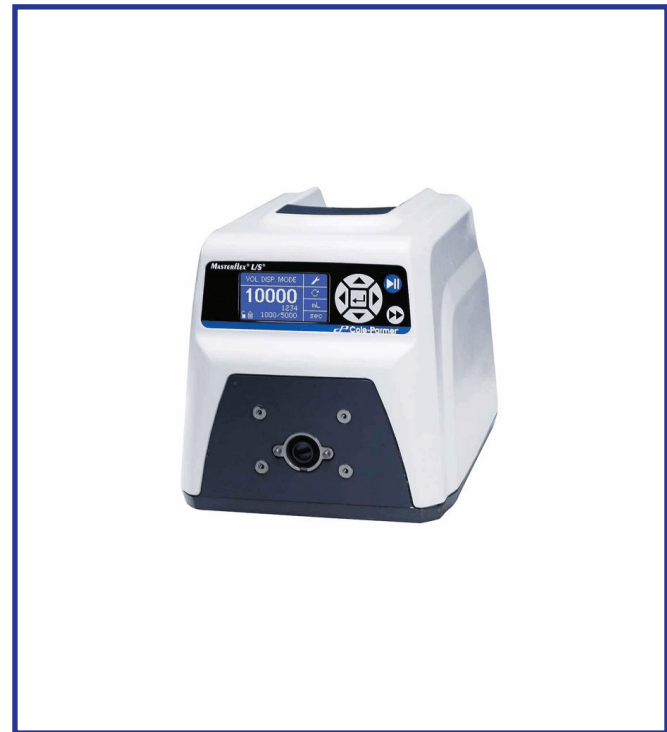
PERISTALTIC PUMPS

ErtelAlsop Variable-Speed peristaltic pumps are capable of handling flow from 0.6 $\mu\text{L}/\text{min}$. to 3400 mL/min (depends on drive rpm and tubing size) and handling pressures of up to 7 bar (100 psi). With no seals, valves or moving parts in the flow path, the risk of clogging, leaking or contamination is eliminated.

These accurate analog console drives have powerful motors, speed display, and $\pm 0.25\%$ speed control for precise flow regulation—ideal for metering applications.

ADVANTAGES

- Handle abrasive slurries and corrosive fluids with minimal wear. Ideal for titanium dioxide or diatomaceous earth filter aid applications.
- Low maintenance; sealless and valveless design
- Valveless design prevents clogging
- Inner surfaces are smooth and easy to clean
- Contamination free; fluid contacts only the tubing or tube material
- Suction lift and priming up to 8.8m water column at sea level.
- Low shearing for handling the most shear sensitive of fluids such as latex or fire fighting foam
- Capable of running dry and pumping fluids with high quantities of entrained air, such as black liquor soap
- High volumetric efficiency allows operation in metering or dosing applications where high accuracy is required
- Handles extremely viscous fluids
- Availability of tubing and tube materials that are suitable for food and pharmaceutical use



APPLICATIONS

- Laboratory and research
- Pharmaceutical and biotech
- Food and beverage
- Chemical process
- Water treatment

PERFORMANCE

- Three digit LED display shows motor rpm—confirm speed setting at a glance
- Reversible motor—purge tubing before or after pumping; pump fluid in either direction
- LED indicators confirm motor direction
- Powerful motors let you stack 2 or 4 pump heads for increased flow rates and for multichannel applications
- Separate speed and power (on/off) control—maintain speed setting while turning pump on/off
- Stackable, splash-resistant ABS plastic housing; IP33 rated
- Speed control input: 4 to 20 mA or 0 to 10 VDC
- Start/stop via open collector or contact closure
- Membrane keypad for easy up-front control of speed, direction, and start/stop

RELIABILITY

- Accurate and repeatable flow rates
- Contamination-free pumping - ideal for shear sensitive fluids, viscous slurries, and aggressive acids and caustics
- Easy to install, operate and maintain
- Virtually maintenance-free - no expensive seals, valves, diaphragms or rotors to leak, clog or corrode.

PERFORMANCE SPECIFICATIONS

rpm	Precision Pump Tubing						High-Performance Precision Pump Tubing			
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18	L/S 15	L/S 24	L/S 35	L/S 36
	Standard*, Easy-Load, Easy-Load II, Easy-Load 3						Multichannel**, *, Easy-Load, Easy-Load II, Easy-Load 3, High-Performance			
	Cartridge, Multichannel			Cartridge			Easy-Load			
6 to 600	0.36 - 36	1.3 - 130	4.8 - 480	10 - 1000	17 - 1700	23 - 2300	10 - 1000	17 - 1700	23 - 2300	29 - 2900
3 to 300	0.18 - 18	0.65 - 65	2.4 - 240	5 - 500	8.5 - 850	11.5 - 1150	5 - 500	8.5 - 850	11.5 - 1150	14.5 - 1450
1 to 100	0.06 - 6	0.21 - 21	0.8 - 80	1.7 - 170	2.8 - 280	3.8 - 380	1.7 - 170	2.8 - 280	3.8 - 380	4.8 - 480

* The Standard pump head is not available for L/S 25. **Multichannel head is not available for L/S 36. Multichannel and Cartridge heads are available for microbore tubing.

DRIVES ONLY

rpm	Speed Control (resolution)	Pump Heads Accepted	Motor Size	IP Rating	Dimensions (L x W x H)	Power 50/60 Hz	
						VAC	Amps
6 to 600	+/- 0.25% (1 rpm at 600 rpm; 0.1 rpm at 100 rpm)	2	1/10 hp (75 W)	IP33	10" x 8.5" x 8.5" (25.4 x 21.6 x 21.6 cm)	90 - 260	1.8 at 11 VAC, 1.2 at 230VAC
3 to 300		2					
1 to 100		4					