

LABORATORY AND SMALL FLOW PUMPS

ISMATEC PERISTALTIC PUMPS

Flows from <0.001 ml/min to 13 l/min

Pressures to 35 psi

- The tubing pump is capable of pumping almost any media, e.g. highly viscous media or media containing a solid content of up to 60%, as well as corrosive or sterile media
- More than 10 different tubing materials are available
- Multi-channel pumps (max. 24 channels) deliver various media independently yet simultaneously at different flow rates
- Self-priming up to 26'
- Reversible direction of rotation
- Almost pulse-free pumping with 12-roller pumpheads
- Extremely accurate dispensing with calibrateable microprocessor controlled drives

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Multi Channel Pump Shown

Tube Pump

ISMATEC GEAR PUMPS

Flows from 1 ml/min to 12 l/min

Differential pressure up to 80 psi

- Specially designed pump-heads (suction shoe design) for elevated differential pressures
- Easy to service
- Almost maintenance-free
- Leak-free
- Interchangeable pump-heads for different flow rates available
- Virtually no pulsation
- Very accurate dispensing pumps due to calibrateable drives
- Excellent media compatibility - stainless steel housing, gears available in PTFE, Graphite, PPS or PEEK™
- Pump-heads for media with elevated viscosities

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Gear Pump

ISMATEC PISTON PUMPS

Flows from 0.025 ml/min - 2.3 l/min

Differential pressure up to 100 psi

Advantages of the valveless piston pump -

- No valves to clog or hang up
 - Only one moving part - the piston
 - Drift free precision, better than $\pm 1\%$
 - Variation coefficient smaller than 0.17%
 - Medium-contacted parts available in ceramic and fluorocarbon
 - Viscosity independent
 - Self-priming to 15'
- Interchangeable pump-heads
 - Adjustable stroke volume
 - Very accurate dispensing pumps due to calibrateable drives
 - Reversible direction of rotation
 - Chemically inert to a great extent
 - Ideal for corrosive media, suited for viscous media

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Piston Pump