

Reglo Digital Miniflex[®] & Multichannel Pumps



It's a Revolution.



Intuitive

5" capacitive TFT/RGB touchscreen with a clear, wide viewing angle – adjust parameters with a simple touch.



Versatile

Packed with advanced technology, the Reglo can dose & dispense 0.0001 to 365-mL per minute.



Connected

Controlled via MasterflexLive® or connected to a stand-alone PC.



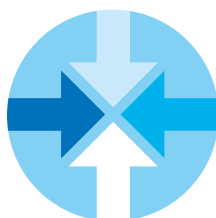
Secure

Safely upload & share data with other users. Data is time stamped, encrypted, stored & backed up 24/7.



Compliant

Premium MasterflexLive subscription gives you 21 CFR Part 11 & EU Annex 11 compliance.



Complete

The Reglo arrives as either a complete single or dual channel Miniflex Pump Head, or multichannel Cassette Head.



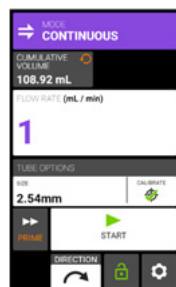
Compact benchtop pumps optimise ease of use, accuracy and reliability

- Anti-drip & speed ramping available in volume dispense mode – ensure accuracy & minimise sample loss
 - Cassette Pump Head models accept 3-stop tubing for easy loading & secure retention
- 3-stop tubing is available in various sizes & formulations that suit your application needs (sold separately)

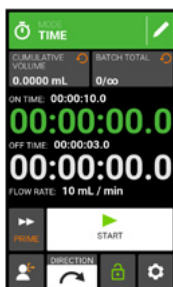
Powerful performance at a simple touch

Over 100 years of engineering excellence has been built into the NEW Reglo pump, combining the globally tried & tested technology of Masterflex® & the precision engineering of Ismatec®.

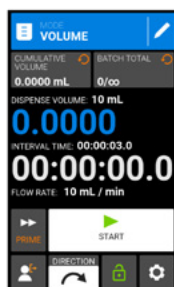
Reglo Peristaltic Screen Interface Modes



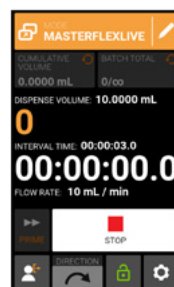
Continuous Mode



Time Mode



Volume Mode



Remote Mode



Calibration Mode

Versatile single-channel & multichannel pumps for accurate low-flow fluid delivery – with an intuitive touch-screen interface

- Continuous run, volume dispense, & time dispense modes - batch control & interval/off time in volume & time modes
 - Flexible operational control via screen, MasterflexLive, or analogue remote control
 - Network connection via Wi-Fi or standard Ethernet (RJ45) jack on rear of drive
- USB connection allows for downloadable firmware updates to be loaded into the pump

Accurately & securely dispense your valuable samples

First-of their-kind low-flow Peristaltic Pumps are MasterflexLive enabled for remote control.

MasterflexLive is a secure, Cloud-enabled platform for control & monitoring of Masterflex pumps; get real-time control of all pump parameters. You can monitor & adjust critical processes running 24/7 without the need for onsite personnel, while push notifications alert you to changes in operating conditions & error messages.

Control & monitor your pumps autonomously with MasterflexLive®



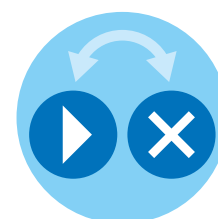
Remote
real-time
control



Pump
status
notifications



Set up,
save & recall
programs



Emergency
start &
stop

Control & adjust all pump parameters

Upgrade to Premium for 21 CFR Part 11 & EU Annex 11 Compliance

*MasterflexLive is proprietary technology - Patent Pending

[Masterflex.com/masterflexlive](https://www.masterflex.com/masterflexlive)



Miniflex® Pump Head

This single or dual channel Pump Head has a wide occlusion angle, preventing fluid backflow. An open-head sensor stops the motor when the pump head opens.

Reglo with Miniflex® Pump Head





Reglo with Cassette Head

Cassette Heads

These Cassette Heads offer space for two or four cartridges for multichannel pumping. Each cartridge accepts 3-stop tubing for easy loading & secure retention. The 6, 8 or 12 rollers are low friction & long wearing for smooth operation and low pulsation.



Technical Specifications

Item number	Description	Speed Range (rpm)	Flow Range (mL/min)
Pumps with Miniflex Pump Heads			
MK-78018-40	Miniflex Digital Single-Channel Pump with MasterflexLive, 115/230 VAC	0.1 to 350	0.004 to 365
MK-78018-42	Miniflex Digital Dual-Channel Pump with MasterflexLive, 115/230 VAC	0.1 to 350	0.004 to 190
Pumps with Multichannel Cassette Heads			
MK-78018-10	Reglo Digital 2-Channel 6-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 68
MK-78018-20	Reglo Digital 4-Channel 6-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 68
MK-78018-12	Reglo Digital 2-Channel 8-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 57
MK-78018-22	Reglo Digital 4-Channel 8-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 57
MK-78018-14	Reglo Digital 2-Channel 12-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0001 to 38
MK-78018-24	Reglo Digital 4-Channel 12-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0001 to 38

Specification	Description	Specification	Description
Tubing accepted by Miniflex head	L/S® 13, 14, 16 and 25* <i>*Only compatible with single-channel version</i>	Analog	Through DB-25 - In: Speed (via mA, V), Start/Stop, Direction (CW/CCW), Prime; Out: Tach output 5V TTL pulse, drive running, local/remote, open-head relay
Tubing accepted by Multi-channel cassette head	Microbore 3-stop distance tubing, 0.13 mm to 3.17 mm ID	Digital	RJ-45 Ethernet and Wi-Fi (for MasterflexLive cloud connectivity), USB (for firmware upgrades)
Maximum pressure	Miniflex = 3 Bar (45 psi) Cassette = 1.5 Bar (22 psi)	Power supply	Separate Universal Voltage input 90 to 260V, 24V out 90W max
Speed control accuracy	+/- 0.1%	Enclosure materials	ABS Plastic housing with an aluminum chassis and aluminum bezel
Resolution	0.1 rpm	Approvals	CE, RoHS 2; Power supply is UL, cUL
Motor	BLDC with encoder	IP rating	IP31
Display	5" capacitive touchscreen, RGB with In-plane switching (wide viewing angle)	Warranty	2 years
Dimensions and weight	229 x 147 x 157 (L x W x H, mm) - 3.2kg 9 x 6 x 6 (L x W x H, inches) - 7lbs		
Rear panel controls & connections	RJ45, 25 pin serial port, on/off switch, USB port, power supply connection		

Tubing

Item number	Description	Flow Range (mL/min)
MK-96410-16	Masterflex Pump Tubing, Platinum Cured, L/S 16, 25 ft / 7.6 m	0.06 to 189 mL/min
MK-96419-16	Masterflex Pump Tubing, Puri-Flex™, L/S 16, 25 ft / 7.6 m	0.06 to 189 mL/min
MK-95625-24	Ismatec Pump Tubing, Lab PVC, 3-stop distance, ISM 30, 0.76 mm ID, 12 pieces	0.003 to 21 mL/min
MK-95625-42	Ismatec Pump Tubing, Lab PVC, 3-stop distance, ISM 30, 2.06 mm ID, 12 pieces	0.025 to 40 mL/min
MK-95714-24	Ismatec Pump Tubing, PharMed® BPT, 3-stop distance, ISM 30, 0.76 mm ID, 12 pieces	0.003 to 21 mL/min
MK-95714-42	Ismatec Pump Tubing, PharMed BPT, 3-stop distance, ISM 30, 1.42 mm ID, 12 pieces	0.025 to 40 mL/min

Visit: [Masterflex.com/tubing](https://www.masterflex.com/tubing) for additional tubing sizes & formulations.

