

MASTERFLEX[®]
ISMATEC[®]

Reglo Digital Miniflex[®] & Multichannel Pumps



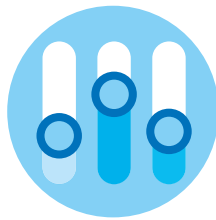
1-800-637-3739 | 1-847-381-7050
Masterflex.com

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.



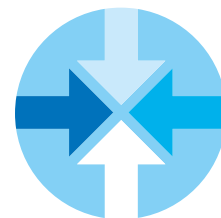
Secure

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.



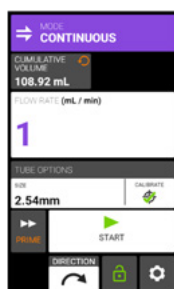
Compact benchtop pumps optimise ease of use, accuracy and reliability

- 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)

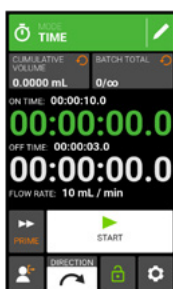
Powerful performance at a simple touch

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®.

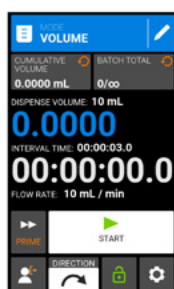
Reglo Peristaltic Screen Interface Modes



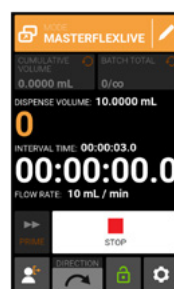
Continuous Mode



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®



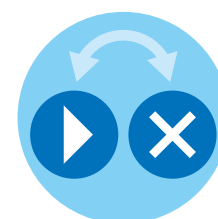
Remote real-time control



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



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
Tubing accepted by Miniflex head	L/S® 13, 14, 16 and 25* <i>*Only compatible with single-channel version</i>
Tubing accepted by Multi-channel cassette head	Microbore 3-stop distance tubing, 0.13 mm to 3.17 mm ID
Maximum pressure	Miniflex = 3 Bar (45 psi) Cassette = 1.5 Bar (22 psi)
Speed control accuracy	+/- 0.1%
Resolution	0.1 rpm
Motor	BLDC with encoder
Display	5" capacitive touchscreen, RGB with In-plane switching (wide viewing angle)
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

Specification	Description
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
Digital	RJ-45 Ethernet and Wi-Fi (for MasterflexLive cloud connectivity), USB (for firmware upgrades)
Power supply	Separate Universal Voltage input 90 to 260V, 24V out 90W max
Enclosure materials	ABS Plastic housing with an aluminum chassis and aluminum bezel
Approvals	CE, RoHS 2; Power supply is UL, cUL
IP rating	IP31
Warranty	2 years

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.

US & Canada Only Toll-Free: 1-800-637-3739

Outside US & Canada: 1-847-381-7050

Email: techinfo@masterflex.com

Masterflex.com