

**MASTERFLEX<sup>®</sup>**  
ISMATEC<sup>®</sup>

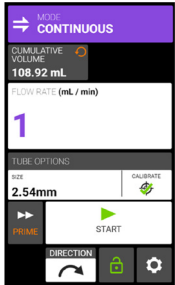
# Reglo Digital Pumps



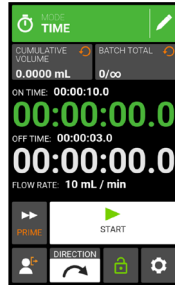
# Powerful performance at a simple touch

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®.

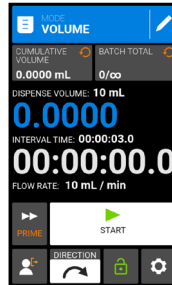
## Reglo Peristaltic Screen Interface Modes



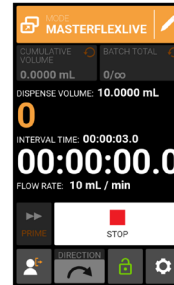
Continuous Mode



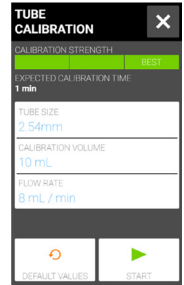
Time Mode



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 standard Ethernet (RJ45) jack on rear of drive or connectivity via WiFi
  - 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.

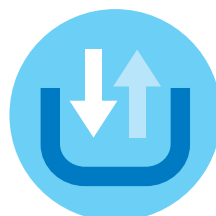
# Control & monitor your pumps remotely with MasterflexLive®



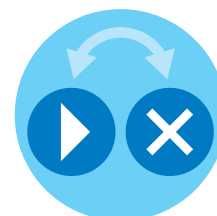
Remote real-time control



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](http://masterflex.com/masterflexlive)

# MASTERFLEX<sup>®</sup>

## ISMATEC<sup>®</sup>



### Miniflex<sup>®</sup> 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<sup>®</sup> 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.





Reglo with Piston Head

### Piston Heads

Valveless piston pump heads feature small displacement to provide excellent precision. A single moving part means lower maintenance, minimal clogs, and less drift over time—offering millions of cycles of reliable, repeatable pumping. Heads are fully adjustable from zero to maximum.





Reglo with Gear Head

### Gear Heads

Compatible with Micropump® A-mount and B-mount (suction shoe design and cavity style) gear pump heads, they offer flow ranges from 1.7 to 4680 mL/min; featuring continuous run, volume and time dispense modes, and flexible operational control via an intuitive 5" TFT/RGB touchscreen, MasterflexLive®, or analogue remote control.

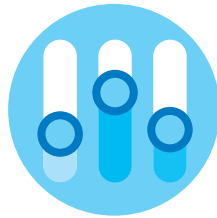


# It's a Revolution.



## 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 via WiFi or connected to a stand-alone PC.



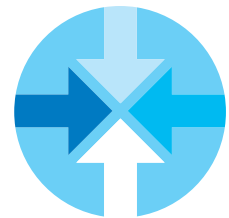
## Secure

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)

# Technical Specifications

Item number	Description	Speed Range (rpm)	Flow Range (mL/min)
-------------	-------------	-------------------	---------------------

## Pumps with Multichannel Cassette Heads

78018-10	Reglo Digital 2-Channel 6-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 68
78018-20	Reglo Digital 4-Channel 6-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 68
78018-12	Reglo Digital 2-Channel 8-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 57
78018-22	Reglo Digital 4-Channel 8-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0002 to 57
78018-14	Reglo Digital 2-Channel 12-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0001 to 38
78018-24	Reglo Digital 4-Channel 12-Roller Pump with MasterflexLive, 115/230 VAC	0.1 to 160	0.0001 to 38

## Pumps with Miniflex Pump Heads

78018-40	Miniflex Digital Single-Channel Pump with MasterflexLive, 115/230 VAC	0.1 to 350	0.004 to 365
78018-42	Miniflex Digital Dual-Channel Pump with MasterflexLive, 115/230 VAC	0.1 to 350	0.004 to 190

## Pumps with Piston Pump Heads

78018-61	Digital Drive / Piston Head (07117-33 (SS/PVDF/carbon; 1/4" inlet) 115/230 VAC	1 to 1800	0.025 to 45
78018-62	Digital Drive / Piston Head (07117-35 (SS/ETFE/carbon; 1/4" inlet), 115/230 VAC	1 to 1800	0.025 to 45
78018-63	Digital Drive / Piston Head (07117-53 (ceramic/ETFE/ceramic; 1/4" inlet ), 115/230 VAC	1 to 1800	0.05 to 90
78018-64	Digital Drive / Piston Head (07117-55 (ceramic/PVDF/ceramic; 1/4" inlet), 115/230 VAC	1 to 1800	0.05 to 90
78018-65	Digital Drive / Piston Head (07117-63 (ceramic/ETFE/ceramic; 1/4" inlet), 115/230 VAC	1 to 1800	0.10 to 180
78018-66	Digital Drive / Piston Head (07117-65 (ceramic/PVDF/ceramic; 1/4" inlet), 115/230 VAC	1 to 1800	0.10 to 180

## Pumps with Gear Pump Heads

78018-50	Reglo Digital Gear Pump Drive with MasterflexLive, 4000 rpm, 115 to 230 VAC	100 to 4000	1.7 to 4680
----------	---	-------------	-------------

Specification	Description
Tubing accepted by Multichannel models	0.13 mm to 3.17 mm ID – Microbore 3-stop distance tubing
Tubing accepted by Miniflex models	L/S® 13, 14, 16 and 25* <i>*Only compatible with single - channel version</i>
Maximum pressure	Cassette = 1.5 Bar (22 psi) Miniflex = 3 Bar (45 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 5.8 x 6.3 (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
Analogue	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 WiFi (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

Helago-CZ s.r.o.  
Kladská 1082  
500 03 Hradec Králové  
Tel.: 495 220 229, 495 220 394  
Fax: 495 220 154  
<http://www.helago-cz.cz>  
E-mail: [info@helago-cz.cz](mailto:info@helago-cz.cz)