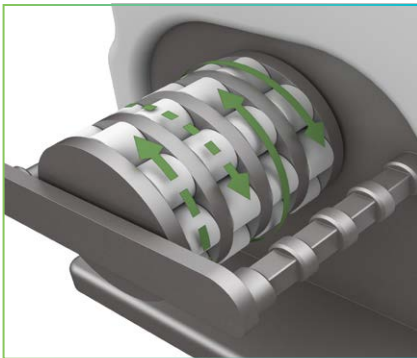


Masterflex[®] Ismatec[®] Reglo independent channel control (ICC) pumps

Ideal for space-limited applications

- Get the benefits of peristaltic dispensing with these compact, easy-to-use pumps
- Independent channel control—each channel can be individually set to a different flow rate and/or rotational direction
- Intuitive user interface for quick setup and programming
- Independent channel calibration gives you synchronous flow from each channel



Independent Channel Design

- Up to four independently controllable channels
- Flexibility of bidirectional flow in each channel
- Continuous pumping or precision dispensing
- Enhanced accuracy through separate channel calibration

Masterflex Reglo ICC Pumps

- Set each channel to pump at different speeds and directions
- Independent channel calibration minimizes the tube-to-tube differences offering excellent accuracy
- Control each channel individually via front panel or up to eight pumps remotely via USB or RS-232 interface—eliminates the clutter of multiple pumps
- Click'n'go tubing cassettes allow quick changeovers

Use the Reglo ICC pump to control up to four channels, each with independent functionality—start, stop, dispense, reverse, aspirate, and calibrate. Time-based routines allow for complex experiment development. Control up to eight pumps at once, via the USB hub or by daisy-chaining the RS-232 connectors. Windows®-based software is included. Select from benchtop or panel-mount models.

Specifications

Motor Type:	Stepper motor (1/channel)
Speed range:	0.1 to 100 rpm,
Interfaces:	USB 2.0, Mini-B, RS-232
Protection rating:	IP30
Weight:	2.7 kg
Power consumption:	30 W
Differential pressure:	1.0 bar (14.5 psi)
Operating Modes	
Flow rate:	Continuous operation at a set rate and direction
Volume over time:	Dispensing a desired volume over a desired time
Volume:	Dispensing a desired volume at a set flow rate
Time mode:	Dispensing for a set time duration with a set flow rate
Volume with pause:	Dispensing a set volume over multiple cycles with defined pause time in between
Time with pause:	dispensing for a set time duration over multiple cycles with defined pause time in between
Calibration:	allows each channel to be calibrated for dispensed fluid volume accuracy

Ordering Information

No. of channels	No. of rollers	Tubing accepted	Size (mm)	Power	Cat. No.
Benchtop pumps					
2	6	Ismatec three-stop tubing	193 x 125 x 170	100 to 240 VAC, 50/60 Hz	MFLX78001-58
	8				MFLX78001-60
	12				MFLX78001-62
3	6		205 x 125 x 170		MFLX78001-68
	8				MFLX78001-70
	12				MFLX78001-72
4	6		218 x 125 x 170		MFLX78001-78
	8				MFLX78001-80
	12				MFLX78001-82
Panel-mount pumps					
2	8	Ismatec three-stop tubing	157 x 127 x 145	24 VDC	MFLX78001-43
3	8		169 x 127 x 145		MFLX78001-45
4	8		182 x 127 x 145		MFLX78001-47
4	12		182 x 127 x 145		MFLX78001-49

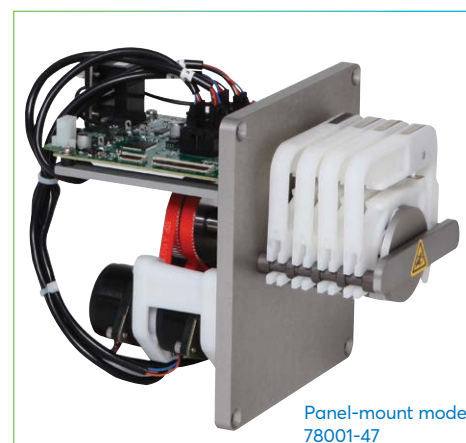
MFLX78016-98 Replacement MS/CA Click'n'go tubing cassette, POM-C

MFLX78016-96 MS/CA Click'n'go tubing cassette, PVDF

POM-C = polyoxymethylene copolymer, PVDF = polyvinylidene fluoride



Benchtop model
78001-70



Panel-mount model
78001-47

Flow Ranges (mL/min)



Tubing ID (mm)	6 rollers	8 rollers	12 rollers
0.13	0.0002 to 0.14	0.0002 to 0.11	0.0001 to 0.093
0.51	0.0019 to 1.9	0.0017 to 1.7	0.0016 to 1.6
0.57	0.0024 to 2.4	0.0021 to 2.1	0.0019 to 1.9
0.64	0.0030 to 3.0	0.0026 to 2.6	0.0024 to 2.4
0.95	0.0064 to 6.4	0.0056 to 5.6	0.0050 to 5.0
1.02	0.0073 to 7.3	0.0063 to 6.3	0.0056 to 5.6
1.42	0.013 to 13	0.011 to 11	0.0094 to 9.4
1.75	0.019 to 19	0.016 to 16	0.013 to 13
1.85	0.021 to 21	0.017 to 17	0.014 to 14
2.54	0.033 to 33	0.027 to 27	0.019 to 19
2.79	0.036 to 36	0.031 to 31	0.021 to 21
3.17	0.043 to 43	0.035 to 35	0.024 to 24