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REGLO *Quick*[™]

Very fast tubing change-over

Unique, very user-friendly pump-head with fast tubing change-over



CE

REGLO *Quick*
2.1–230 ml/min



Easily accessible tube-bed thanks to wide opening angle.

- Variable speed
- Standard tubing
- 10 cm wide, 14.3 cm high

REGLO *Quick*

- 1 channel / 4 rollers
- Easily accessible tube-bed, with wide opening angle
- Transparent protection cover
- Standard tubing
1.6 mm wall thickness
- Differential pressure 1.5 bar
Depends on tubing material.
Tubing with small i.d.'s may enable higher pressures.
- Higher max. flow rate than
REGLO *Analog/Digital*
- "Start/stop", "speed" and
"direction" functions

Specifications

Motor type	DC motor
Speed	3.2 – 160 rpm
Speed setting	1–99 %, resolution 1 % 2-digit potentiometer
Power consumption	30 W
Mains connection	230V _{AC} /50Hz, 115V _{AC} /60Hz adjustable
Protection rating	IP 30

Dimensions

Model	Depth/Width/Height
REGLO <i>Quick</i>	178 x 100 x 143 mm (pump-head closed)
Weight	
REGLO <i>Quick</i>	2.2 kg



2-digit potentiometer
1–99%, resolution 1%(for speed setting)



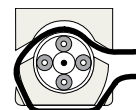
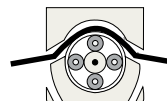
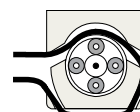
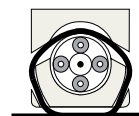
Interfaces



- Speed control (0–5 or 0–10 V, 0–20 or 4–20 mA)
- Speed output (0–8 kHz)
- Start/Stop
- Rotation direction

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Insert the tubing appropriate
to your application.



Flow rates and tubing

Model/ Type Channels Rollers			REGLO Quick 1 4	
Speed rpm			3.2	160
Tygon®ST R-3603/R-3607 Order No.	Wall (mm)	Tubing i.d. (mm)	ml/min min.	ml/min max.
MF0030	1.6	3.2	2.1	103
SC0379	1.6	4.8	4.6	230
Approx. values: determined with water, at 22°C, no differential pressure, Tygon® tubing.				

Recommended standard tubing

- Tygon® LFL
- Tygon® ST
- Tygon® HC
- Pharmed®
- Silicone peroxide

Do not use other tubing formulations.

Applications

Single-channel delivery processes with variable flow rates where frequent tubing change-over is required e.g.:

- Addition of dye stuffs with tubing exchange after each dispensing process
- Flushing cylinder heads of HPLC pumps

Ordering information

Model	Order No.	Flow rates ml/min per channel	Channels max.	Rollers	Speed rpm
REGLO Quick	ISM 897	2.1 – 230	1	4	3.2 – 160
Foot switch	ISM 891	see Page 61			

REGLO *Analog / Digital*

The smallest calibrateable dispensing pump

Footprint only 178x100 mm!

- Very low pulsation (model with 12 rollers)
- High repeatability
- 10 cm wide, 13.5 cm high



Dispensing and calibrating function see Page 5

CE

REGLO *Digital*
with dispensing functions
0.001–68 ml/min (per channel)
– Microprocessor controlled

REGLO *Analog / Digital*

- 2 or 4 channels
- Choice of 6, 8 or 12 rollers
- Click'n'go cassettes with automatic pressure mechanism (each channel can take various tubing sizes)
- 3-stop tubing
- Differential pressure 1.0 bar depending on tubing material. Tubing with small i.d.'s and/or cassettes with pressure lever (Page 60) may enable higher pressures.



REGLO *Analog*
without dispensing functions
0.002–68 ml/min (per channel)
– Variable speed drive

Specifications REGLO *Analog*

Motor type	DC motor
Speed	2-channel 3.2 – 160 rpm 4-channel 2.0 – 100 rpm
Speed setting	2–99%, resolution 1% 2-digit potentiometer
Power consumption	20 W
Mains connection	230V _{AC} /50Hz, 115V _{AC} /60Hz adjustable
Protection rating	IP 30
Depth/Width/Height	2-channel 178x100x143 mm 4-channel 190x100x143 mm
Weight	2-channel 2.0 kg 4-channel 2.1 kg

Specifications REGLO *Digital*

Motor type	DC motor
Speed	2-channel 1.6 – 160 rpm 4-channel 1.0 – 100 rpm
Speed setting	rpm, resolution 0.1 rpm
Flow rate setting	µl/min or ml/min
Power consumption	75 W
Mains connection	100–230V _{AC} /50–60Hz
Protection rating	IP 30
Depth/Width/Height	2-channel 178x100x135 mm 4-channel 190x100x135 mm
Weight	2-channel 2.0 kg 4-channel 2.1 kg



REGLO Analog
2-digit potentiometer
2–99%, resolution 1% (for speed setting)



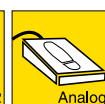
REGLO Digital
6-button membrane key-pad, LED-display
Flow rate setting in $\mu\text{l}/\text{min}$ and ml/min

Interfaces



REGLO Analog

- Speed control (0–5 or 0–10 V, 0–20 or 4–20 mA)
- Speed output 2-channel: 0–8 kHz 4-channel: 0–5 kHz
- Start/Stop
- Rotation direction



REGLO Digital

PC-controllable
Analog: only speed output (see Reglo *Analog*), start/stop and autostart

Flow rates and tubing



Model	Channels	Rollers	REGLO Analog+Digital 2 6		REGLO Analog+Digital 2 8		REGLO Analog+Digital 2 12		REGLO Analog+Digital 4 6		REGLO Analog+Digital 4 8		REGLO Analog+Digital 4 12	
			Speed rpm		Speed rpm		Speed rpm		Speed rpm		Speed rpm		Speed rpm	
Tygon®ST R-3603/R-3607	Order No.	Tubing i.d. (mm)	ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel		ml/min per channel	
			min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.	min. ¹	max.
SC0189	0.13	0.003	0.22	0.002	0.17	0.002	0.15	0.002	0.14	0.002	0.11	0.001	0.093	
SC0050	0.25	0.008	0.76	0.007	0.65	0.007	0.61	0.005	0.48	0.005	0.41	0.004	0.38	
SC0053	0.51	0.031	3.1	0.027	2.7	0.025	2.5	0.019	1.9	0.017	1.7	0.016	1.6	
SC0056	0.76	0.067	6.7	0.058	5.8	0.053	5.3	0.042	4.2	0.036	3.6	0.033	3.3	
SC0059	1.02	0.012	12	0.10	10	0.090	9.0	0.073	7.3	0.063	6.3	0.056	5.6	
SC0062	1.22	0.16	16	0.14	14	0.12	12	0.10	10	0.088	8.8	0.075	7.5	
SC0065	1.52	0.24	24	0.20	20	0.17	17	0.15	15	0.13	13	0.10	10	
SC0068	1.85	0.34	34	0.28	28	0.21	21	0.21	21	0.17	17	0.13	13	
SC0071	2.54	0.53	53	0.44	44	0.31	31	0.33	33	0.27	27	0.19	19	
SC0224	3.17	0.68	68	0.57	57	0.38	38	0.43	43	0.35	35	0.24	24	

Approx. values: determined with water, at 22°C, no differential pressure, Tygon tubing.

¹ Min. flow rate for REGLO Analog = 2 % of max. flow rate

Ask for our Pump Tubing Selection Guide (see also Pages 30 to 39).



Spare cassettes MS/CA
(see Page 60)

Ordering information (values in brackets are for REGLO Digital)

Model	Order No.	Order No.	Flow rates	Channels	Rollers	Speed
MS-2/06	ISM 830	ISM 831	0.005 (0.003) – 68	2	6	1.6 (3.2)–160
MS-2/08	ISM 829	ISM 832	0.004 (0.002) – 57	2	8	1.6 (3.2)–160
MS-2/12	ISM 795	ISM 596	0.003 (0.002) – 38	2	12	1.6 (3.2)–160
MS-4/06	ISM 828	ISM 833	0.003 (0.002) – 43	4	6	1.0 (2.0)–100
MS-4/08	ISM 827	ISM 834	0.003 (0.002) – 35	4	8	1.0 (2.0)–100
MS-4/12	ISM 796	ISM 597	0.002 (0.001) – 24	4	12	1.0 (2.0)–100
Foot switch	ISM 891	ISM 894	see Page 61			

Spare cassettes MS/CA . . . see Page 60

Applications

- Addition of a reagent to a reactor and simultaneous removal of the reaction product from the upper fraction. Ramp control combined with a thermostat to maintain the ΔT during the reaction.
- Simultaneous addition of both components of a 2-component adhesive in ratio 1:10 with two different tubing sizes.