

200 series Cased Stepper Motor

Specification Sheet (last updated May 2019)



- Long life, brushless motor.
- Quiet in operation.
- Very wide speed control range – 0.02 – 413 ml per minute.
- Suitable for continuous running.

The 200 series, aluminium cased, stepper motor driven peristaltic pump offers a compact, accurate, reliable and easily adjustable means of dosing a wide range of fluids.

They are available in various configurations of tubing type/bore ID, and pump RPM.

The speed control options are:-

- Internal control for tamperproof applications.
- General external control with a single turn potentiometer (without scale).
- 10 turn potentiometer with counting dial and locking lever for accurate setting.
- Terminals for a 0-5v remote speed control signal.

The stepper motor includes a built in pulse generator for accurate, consistent control and the pump will run clockwise at the required speed once the supply is connected.

The power supply options are:-

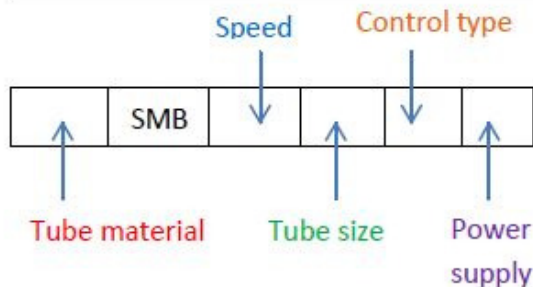
- Plug in power supply 100-240VAC 1 50/60Hz with UK, Euro & US plug heads
- Internally fitted 100 – 240VAC 1 50/60Hz power supply with 1.5 metre power cord
- No power supply – cable gland fitted for user to wire 24VDC to internal terminal block.

See rear of sheet for option selections.

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Devise your product code using the product codes from the table (right) where stated (below).



201C-SMB-150-050-0-0

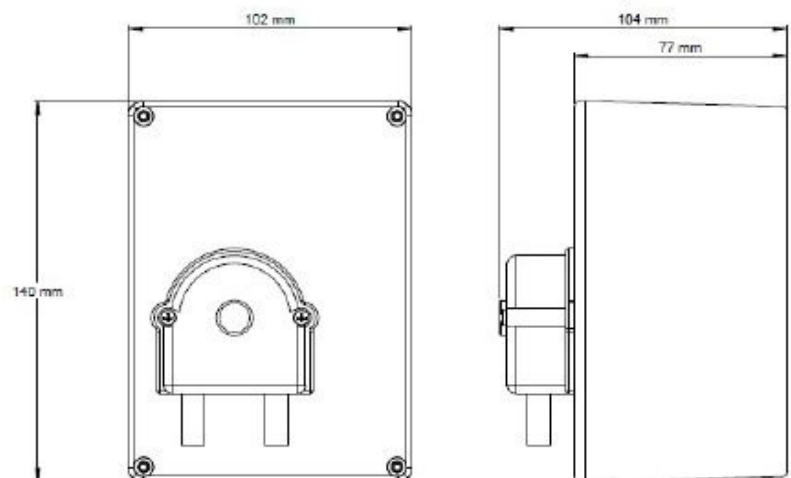
Example product number for a cased pump with a 200 series pump head fitted with 5mm ID Norprene tube, 0.15-150 RPM, externally adjustable and a DC plug in power supply.



Externally adjustable potentiometer with 10 turn counting dial with locking lever. (Image left)

Approximate flow rates (ml per revolution)	
Tube type/size	Approximate flow
Silicone	
1.6	0.20
3.0	0.58
5.0	1.18
Norprene®	
1.6	0.19
3.0	0.54
5.0	1.08
Viton	
1.6	0.13
3.0	0.45
5.0	0.90

Options	Product code
Tube material	
- Silicone	200C
- Norprene	201C
- Viton	202C
Speed	
- 0.15-20	020
- 0.15-40	040
- 0.15-150	150
- 0.15-350	350
Tube size (mm)	
- 1.6	016
- 3	030
- 5	050
Control type	
- Externally adjustable potentiometer and control knob	0
- Externally adjustable potentiometer with 10 turn counting dial with locking lever	1
- Internally adjustable potentiometer and control knob	2
- 0-5 volts External (only speeds 040 and 150 available)	3
Power supply	
- DC socket with plug in power supply	0
- Internal power supply	1
- Cable gland for 24VDC operation	2



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