

- Compact
- Low Cost
- Wide flow rate range
- Multiple options

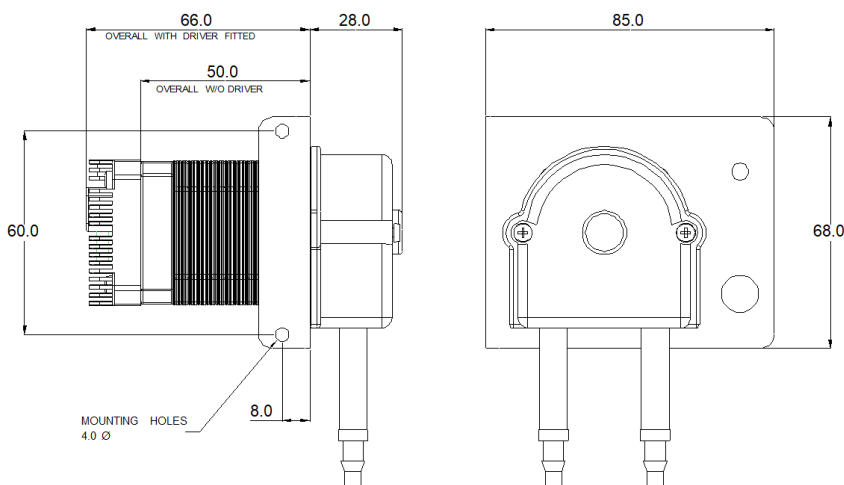


Picture shows the SMB version when supplied with DC socket, bracket mount speed control and DC power supply (-PS)

The mini range of 200 series stepper motor driven pump heads offer a low cost, reliable means of dosing a wide variety of fluid. They are available with multiple tube materials and sizes giving flow rates between 0.03 and 180ml per minute.

The pumps are available with or without built in drivers, the “A” drives offer a small on driver speed control potentiometer suitable for uses such as calibration where the control is going to be used very infrequently or with a “B” drive which can have a bracket mounted (as pictured) or remote speed control potentiometer or the speed can be controlled by a 0-5v signal. With either driver the default speed control range is 0.15 to 150 rpm although they can be supplied as 0.15 to 38rpm or 0.15 to 20 rpm. The units (with driver) can be supplied with a 24v DC plug in power supply for use on 110/230v AC supplies or can be supplied for customer direct 24v DC connection.

Dimensions (mm)



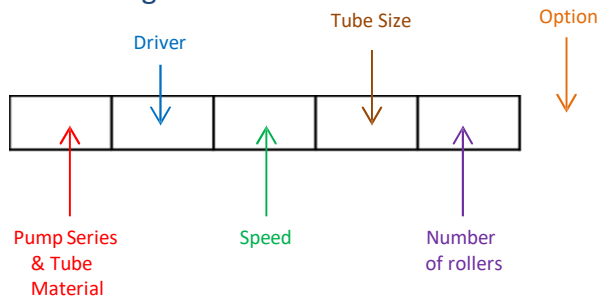
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200 series stepper motor driven pump.

Devise your product code by using codes from the table on the right where stated below.



202-SMB-150-030/3-PS

Example product code for 200 series stepper pump fitted with Viton® tubing, SMB driver, 0.15 to 150 rpm, 3mm ID tubing, 3 rollers, DC socket, bracket mount speed control and plug in 24v power supply.

Note #1: When option "power supply not required" is selected "A" type driver units will be supplied without power supply or DC socket. "B" type driver units will be supplied without power supply, DC socket & bracket mount speed control.

To use 0-5v speed control or remote potentiometer option "power supply not required" must be selected.

Note: The motor does not have enough torque to drive 4 or 6 rollers with all tube materials only Silicone.

	Product Code
Pump Series and Tube Material	
Silicone	200
Tygon® A60F Norprene (Food Grade)	201
Viton®	202
Tygon A60G	205
Tygon Chemical® Norprene (3mm & 5mm tube size only)	207
Driver Type	
None	-SM
SMA type driver (on driver speed control)	-SMA
SMB type driver (separate speed control)	-SMB
Motor Speed range RPM	
0.15 to 20	-020
0.15 to 38	-040
0.15 to 150	-150
Tube Size	
1.6	-016
3.0	-030
5.0	-050
Number of Rollers	
2	/2
3 (Supplied as standard)	/3
4	/4
6	/6
Options	
24v plug in power supply, DC socket & bracket mounted speed control	-PS
Power supply not required (see note #1)	

Flow rates based on silicone tubing. Flow rates for Tygon A60F® will be approx. 10% less, Tygon Chemical® & Viton® will be 20-25% less.

No of Rollers	1.6 ID tube	3.0 ID tube	5.0 ID tube
2	0.22	0.64	1.32
3	0.20	0.59	1.18
4	0.17	0.5	0.94
6	0.14	0.32	0.6

Flow rates for guidance only and subject to tube tolerance, tube age, fluid viscosity & back pressure.

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