Williamson
UK manufacturers of quality peristaltic pumps

810 series with DC powered motor

Specification sheet 2021

- **Self-priming up to 8m**
- **Removable lid for tube changes**
- **Can handle a wide variety of viscosities.**

The 810 series peristaltic pumps are available in 12 or 24v DC motor options. They are capable of delivering flow rates as high as 987 ml/min, the pump heads are polycarbonate with stainless steel fasteners, self-priming up to 8m, run up to 20 psi (2.7 bar), are non-siphoning and can be run dry continuously.

The 810 peristaltic pumps can handle a wide variety of viscosities, from air and gases to heavy slurries, with a consistent positive displacement. It is available in 2 roller or 3 assemblies. These attach directly to the motor output shaft, delivering a precise amount of the product with each revolution.

Flow Rates

Number of rollers	4.8mm ID tube	6.4mm ID tube
2	2 mL per revolution	3.5 mL per revolution
3	1.75 mL per revolution	3.0 mL per revolution

Note: Flow rates are based on Silicone tubing and are approximate. Flow is effected by tube & component tolerances, back pressure & fluid viscocity.
Santprene tubing will be approximately 5-10% less and Viton will be approximately 15-20% less.
To work out approx. flow per minute multiply the above figures by motor rpm.

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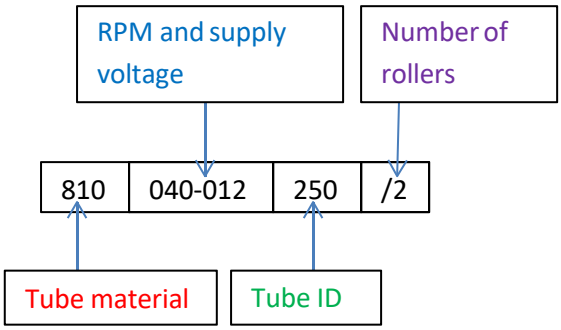
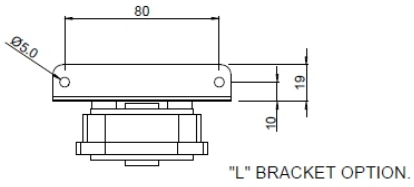


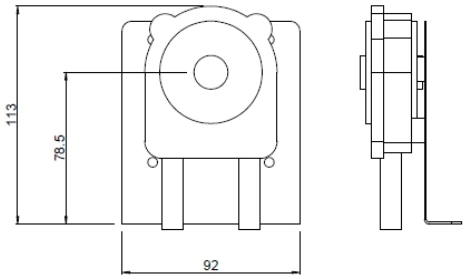
810-040-012-250/2

Example product code for an 810 series, 6.4mmID, Food Santoprene tubing, pump with a 40rpm 12v DC motor with 2 rollers.

Tube Material	Product code
Santoprene	810
Silicone	811
Viton (6.4 ID tube only)	812
RPM and voltage	
40 rpm 12v	040-012
40 rpm 24v	040-024
90 rpm 12v	090-012
90 rpm 24v	090-024
143 rpm 12v	143-012
143 rpm 24v	143-024
282 rpm 12v	282-012
282 rpm 24v	282-024
Tube ID	
4.8mm (not available in Viton)	187
6.4mm	250
Number of rollers	
2	/2
3	/3



"L" BRACKET OPTION.



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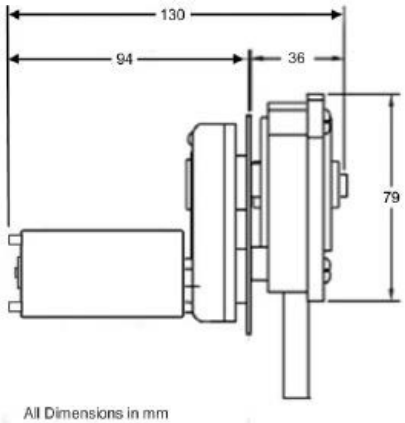

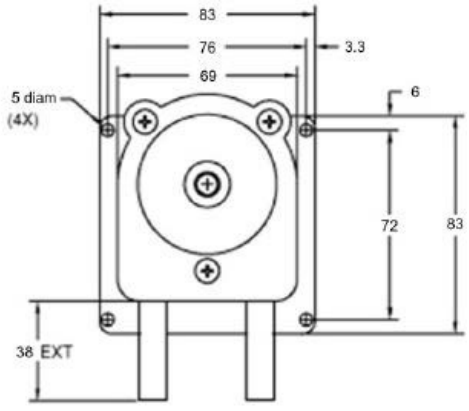

All Dimensions in mm

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