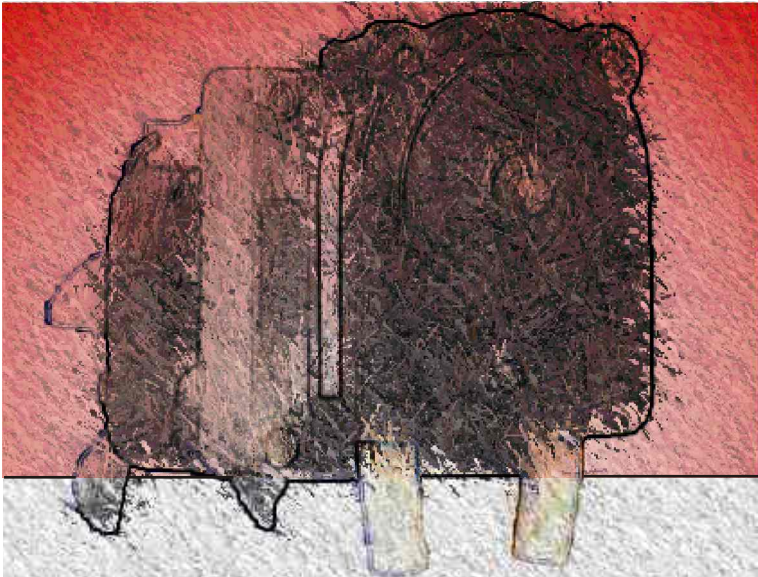


# 810 Series Pumps

Peristaltic Pumps

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March May 810 Series peristaltic pumps have a compact design, and high chemical resistance. They offer leak free pumps that can be used in a wide range of applications that require relatively low, controlled flows.

**Chemically Resistant**

810 pumps can be fitted with, Norprene or silicone tubing to make them extremely chemically resistant..

**Accurate Flow Rates**

The wide range of motors, gear boxes and tube sizes allows us to configure pumps with very specific flow rates.

**High Heads**

810 pumps can pump up to 14 metres differential head.

**Self Priming**

Depending upon the application, 810 pumps can be self priming up to 7 metres.

**Robust**

810 pumps are constructed from robust materials with tubing of 55 Shore A durometer.

**Non Return Capability**

Peristaltic pumps do not allow liquid to syphon back when not in operation.

**Wide liquid Types**

810 pumps can pump a wide variety of liquid types including high viscosities, slurries and liquids with entrained gases.

**Ex-Stock**

Virtually all 810 models are stocked in the UK.

**Design Flexibility**

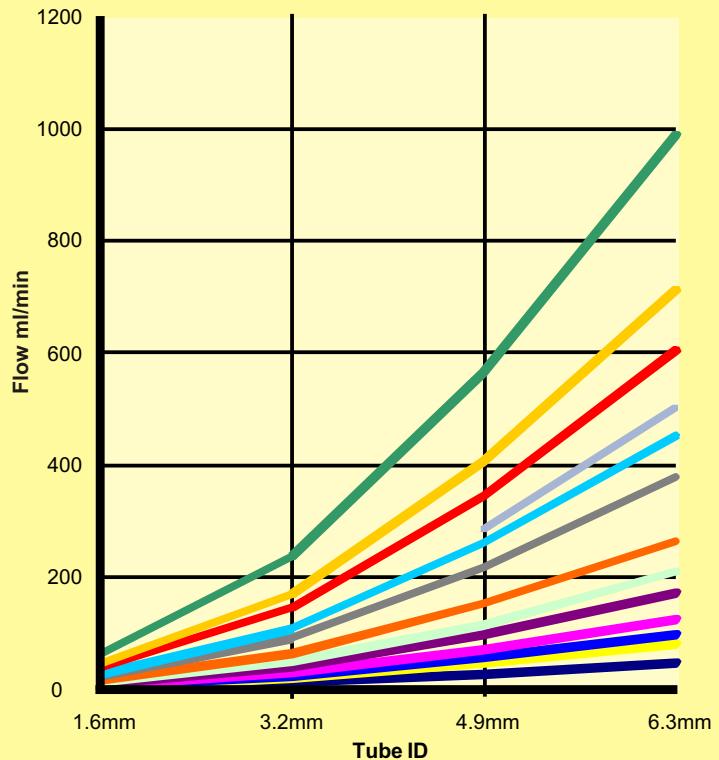
810 pumps are available with a range of different motors, tubes, brackets..



**PERFORMANCE**

50 Hz, SG 1.0 2900 rpm

	1.6mm 1/16"	3.2mm 1/8"	4.9mm 3/16"	6.3mm 1/4"
14 rpm	3	12	28	48
23 rpm	5	19	46	81
28 rpm	6	24	56	98
36 rpm	8	30	72	126
49 rpm	10	41	98	172
58 rpm	12	49	116	208
75 rpm	16	63	150	263
108 rpm	23	91	216	378
129 rpm	27	108	258	452
143 rpm	-	-	286	500
172 rpm	36	144	344	602
203 rpm	43	170	406	711
282 rpm	60	237	564	987

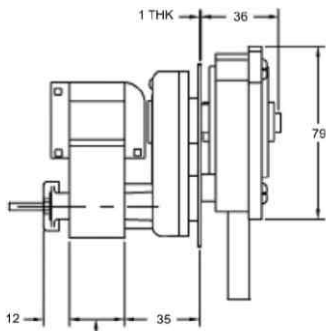


A wide range of alternative motors, gear boxes can be supplied to give different flow rates on request.

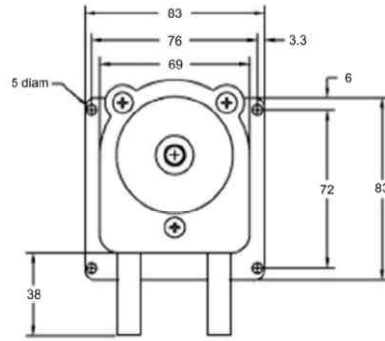
## DIMENSIONS

Dimensions in mm not to scale specifications are subject to change

### AC Motor

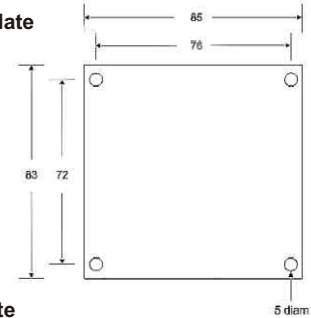


Please note this dimension varies with speed of motor  
 40 rpm ..... 25 mm  
 90 rpm ..... 40 mm  
 143 rpm ... 50 mm  
 203 rpm ... 50 mm

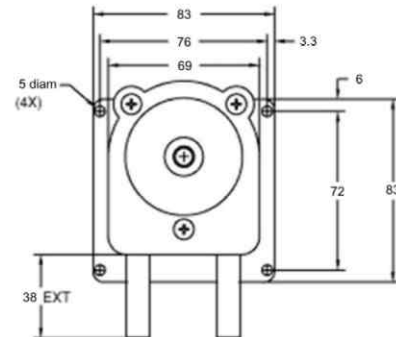
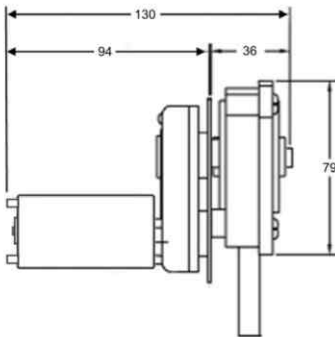


Model rpm	Nos Rollers	Motor	Length mm
14	2	AC	92.0
23 - 36	2	AC	106.0
49 - 58	2	AC	112.0
75	2	AC	119.0
108-282	2	AC	128.0
23 - 36	2	DC	130.0
49 - 58	2	DC	130.0
75	2	DC	130.0

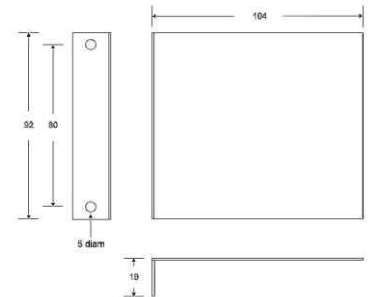
### Flat Mounting Plate



### DC Motor



### L Mounting Plate



## TECHNICAL DETAILS

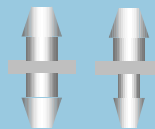
### Pump Specifications

Pump Housing:	Polypropylene.
Rollers:	Nylon with bronze bearing. Polyethene with bronze bearing.
Roller Bracket:	Powdered iron with hardened steel pins and spring tension fasterner.
Tubing:	Norprene or silicone..
Max Liquid Temp:	130 °C
AC Motors:	230v, 110v, 50/60hz
DC Motors:	12v or 24v.
Tube ID:	1.6mm, 3.2mm, 4.9mm, 6.3mm.
Roller Nos:	2 or 3.
Max Pressure:	20 psi.

### Barbed Connectors

Polypropylene  
 Micro 5 - to suit 4.8mm ID  
 GS6-PP - to suit 6.4mm ID  
 GRS6-4-PP Reducing 6.4mm ID to 4mm ID

Acetal  
 GS6 - to suit 6.4mm ID  
 GRS6-4 Reducing 6.4mm ID to 4mm ID  
 GRS6-8 Reducing from 6.4mm ID to 8mm ID  
 GRS6-10 Reducing 6.4mm ID to 10mm ID



## OTHER PERISTALTIC PUMPS

### 100 Series

Micro sized  
2 or 4 rollers.  
5m self priming.  
10m differential pressure.  
Flows 1 - 18 ml/min.



### 200 Series

Designed to give long tube life.  
Unique rotating tube guide rail.  
Low cost head replacement.  
Extremely compact.  
5m self priming.  
Flows 4 - 219 ml/min.



### 400 Series

Flows 750 - 7500 ml/min.  
5m self priming.  
A wide range of brackets.  
Heavy duty ball bearings.  
115, 230 and 415AC motors.  
24v DC motors.



## OTHER MAGNETIC DRIVE PUMPS

March May offers probably the largest range of magnetic drive pumps in the UK.



Large centrifugal  
For aggressive chemicals.



single stage centrifugal  
stainless steel ATEX rated  
For milder chemicals



Single stage centrifugal  
For milder chemicals.



Multi stage centrifugal  
For mild or aggressive  
liquids.



Brass centrifugal  
For high temperature  
liquids.



Single stage turbine  
For mild or aggressive  
liquids.



Submersible centrifugal  
For milder liquids.

