

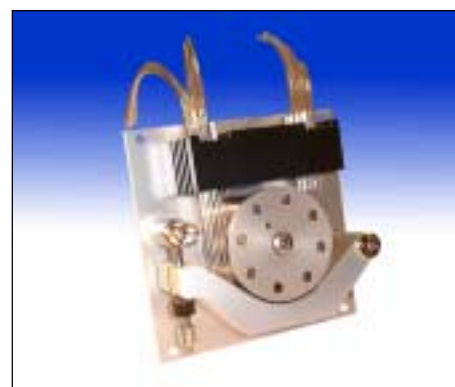
400F/GM4



precision instrument quality four channel manifold pump

Technical information and features

- Spring loaded fully adjustable track for adaptability to various pressure conditions and maximising tube life
- Accepts standard two bridge colour coded auto-analysis tube elements available in 19 sizes
- Wide range of gear motors available
- Extremely precise in flow control in a flexible design
- Flow rates up to 60 ml/min



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Flow rate ranges (ml/min)

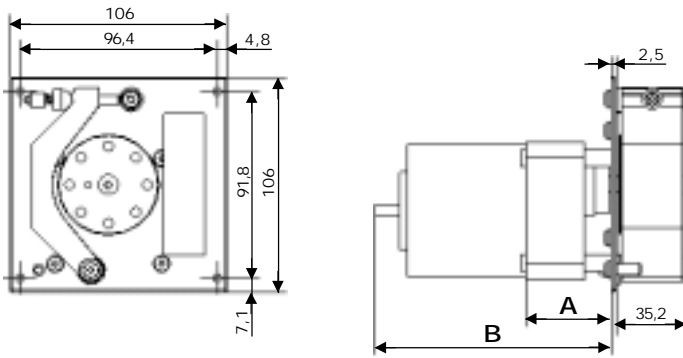
Speed rpm	Tube bore and flow rates (ml/min)									
	Orange/black 0,13 mm	Orange/red 0,19 mm	Orange/blue 0,25 mm	Orange/green 0,38 mm	Orange/yellow 0,50 mm	Orange/white 0,63 mm	Black/black 0,76 mm	Orange/orange 0,88 mm	White/white 1,02 mm	Red/red 1,14 mm
12	0,017	0,037	0,066	0,15	0,26	0,41	0,58	0,80	1,0	1,3
25	0,036	0,077	0,14	0,31	0,55	0,85	1,2	1,7	2,2	2,7
30	0,043	0,092	0,16	0,37	0,66	1,0	1,5	2,0	2,6	3,3
60	0,086	0,18	0,33	0,74	1,3	2,0	2,9	4,0	5,2	6,5
100	0,14	0,31	0,55	1,2	2,2	3,4	4,9	6,6	8,6	11

	Grey/grey 1,29 mm	Yellow/yellow 1,42 mm	Yellow/blue 1,52 mm	Blue/blue 1,65 mm	Green/green 1,85 mm	Purple/purple 2,05 mm	Purple/black 2,29 mm	Purple/orange 2,54 mm	Purple/White 2,79 mm
12	1,7	2,0	2,3	2,7	3,3	4,0	4,9	6,0	7,0
25	3,5	4,2	4,8	5,6	6,9	8,4	10	12	15
30	4,2	5,0	5,7	6,7	8,3	10	12	15	18
60	8,3	10	11	13	17	20	25	30	35
100	14	17	19	22	28	34	41	50	59

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If you don't find exactly what you are looking for in this data sheet a customised product could be the solution.

These pumps could be supplied with alternative drives and gear ratios, in a two, three or five channel version, in alternative materials, fitted on a customised mounting panel and more.



Motor type:	Standard DC 30W	Standard DC 5W	Brushless DC 35W
Dimension A	L=41,3mm X Ø68,0mm	L=41,3mm X Ø68,0mm	L=41,3mm X Ø68,0mm
Dimension B	L=115,2mm* X Ø68,0mm	L=93,4mm* X Ø68,0mm	L=103,4mm* X Ø68,0mm

* = maximum length behind mounting plate

Product codes			
Motor type	Voltage	Speed rpm	Product code
Standard DC 30W	12VDC	100rpm	040.MP1G.M4S
Standard DC 30W	24-30VDC	100rpm	040.LP1G.M4S
Standard DC 5W	12-15VDC	60rpm	040.CM1G.M4S
Standard DC 5W	24-30VDC	60rpm	040.EM1G.M4S
Standard DC 5W	12-15VDC	25rpm	040.CC1G.M4S
Standard DC 5W	24-30VDC	25rpm	040.EC1G.M4S
Standard DC 5W	12-15VDC	12rpm	040.C81G.M4S
Standard DC 5W	24-30VDC	12rpm	040.E81G.M4S
Brushless DC 35W	24VDC	100rpm	040.NP1G.M4S
Brushless DC 35W	24VDC	30rpm	040.NE1G.M4S

Motor descriptions

The standard DC 30W motor is our most powerful instrument quality motor. This motor features low electrical and audible noise, long brush life and excellent speed regulation with our controllers (optional).
The standard DC 5W motor is our most compact instrument quality motor. This motor features low electrical and audible noise, long brush life and excellent speed regulation with our controllers (optional).
The brushless DC 35W motor is powerful with built in controller. No carbon brushes yields an extremely long life with no maintenance required.

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Materials of construction

Rotor	<i>Aluminium</i>
Rollers	<i>Acid resistant stainless steel</i>
Roller bearings	<i>Carbon steel</i>
Track	<i>Aluminium</i>
Tube holder	<i>Acetal (Black)</i>
Shafts	<i>Acid resistant stainless steel</i>
Mounting panel	<i>Anodised aluminium</i>
Springs	<i>Acid resistant stainless steel</i>
Screws	<i>Acid resistant stainless steel</i>

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