

400F/R1 precision instrument quality one channel pump



Technical information and features

- Accepts continuous tube in seven standard sizes
- Spring loaded fully adjustable track for adaptability to various pressure conditions and maximising tube life
- Wide range of gear motors available
- Extremely precise in flow control in a flexible design
- Flow rates up to 1000 ml/min



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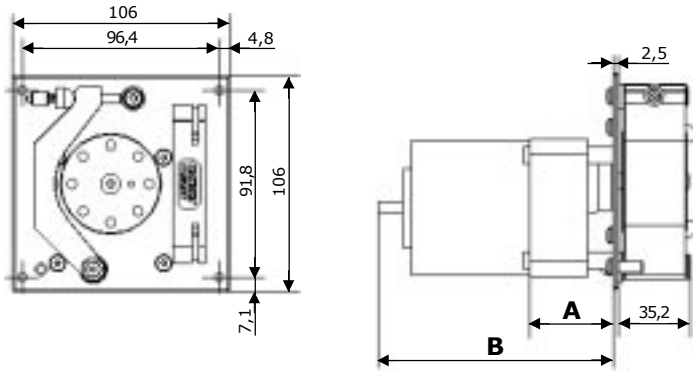
Flow rate ranges (ml/min)

Speed rpm	Tube bore and flow rates (ml/min)						
	0,8 mm	1,6 mm	2,4 mm	3,2 mm	4,0 mm	4,8 mm	6,4 mm
12	0,66	2,6	5,9	10	16	22	36
25	1,38	5,5	12	21	33	46	76
30	1,65	6,6	15	26	39	55	90
60	3,3	13	29	51	79	110	180
100	5,5	22	49	85	131	184	300
200	11	44	98	170	262	367	600
350	19	77	172	298	459	642	1060

400F/R

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 or three channel version, with tube holders for elements, 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	200rpm	040.MS1R.01S
Standard DC 30W	24-30VDC	200rpm	040.LS1R.01S
Standard DC 30W	12VDC	100rpm	040.MP1R.01S
Standard DC 30W	24-30VDC	100rpm	040.LP1R.01S
Standard DC 5W	12-15VDC	60rpm	040.CM1R.01S
Standard DC 5W	24-30VDC	60rpm	040.EM1R.01S
Standard DC 5W	12-15VDC	25rpm	040.CC1R.01S
Standard DC 5W	24-30VDC	25rpm	040.EC1R.01S
Standard DC 5W	12-15VDC	12rpm	040.C81R.01S
Standard DC 5W	24-30VDC	12rpm	040.E81R.01S
Brushless DC 35W	24VDC	350rpm	040.NU1R.01S
Brushless DC 35W	24VDC	100rpm	040.NP1R.01S
Brushless DC 35W	24VDC	30rpm	040.NE1R.01S

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

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