

500 FAM heavy duty pump



500 series panel mount pumps

- Rugged peristaltic pumps for industrial applications
- Outstanding performance high flow pumphead
- Spring-loaded stainless steel rollers with ball bearings provided gentle pumping and long tube life
- Stainless steel face plate
- Flow rates up to 2170 ml/min



500 FAM heavy duty pump performance

Marprene tubing 2.4 mm (3/32in) wall, zero pressure and no suction height									
ml/min tubing dimensions		0.5 mm	0.8 mm	1.6 mm	3.2 mm	4.8 mm	6.4 mm	8.0 mm	9.6 mm
FAM 50HZ	37 rpm	1.5	3.9	15	62	140	250	390	550
	75 rpm	3.1	7.8	31	130	280	510	780	1120
	145 rpm	5.9	15	61	240	550	990	1520	2170
FAM 60HZ	42 rpm	1.7	4.4	18	70	160	290	440	630
	85 rpm	3.5	8.8	35	140	320	580	890	1270

For Pumpsil, Tygon, Sta-Pure and Chem-Sure flowrates, add 5% to the above figures.

For pressure performance see pumphead datasheet.

Technical specifications

	500 FAM heavy duty pump
Motor types	Synchronous AC motor
Pumphead options	520R, 520R2, 520REH, 520REL, 520REM
Pumphead number of rollers	2
Pumphead number of channels	1
Flow rate range	1.5 ml/min to 2170 ml/min
Operating speed range	37 rpm to 290 rpm
Supply voltage	115 V AC, 60 Hz, 230 V AC, 50 Hz
Operating temperature ranges	-10 °C to 40 °C (14 °F to 104 °F)
Power consumption	20W - 40W
Ingress Protection	IP41
Gearbox ratio	Spur; 10:1, Spur; 20:1, Spur; 40:1, Spur; 5:1
Compatible tubing bore size	0.5, 0.8, 1.6, 3.2, 4.8, 6.4, 8, 9.6 mm
Compatible tubing wall thickness	1.6, 2.4 mm

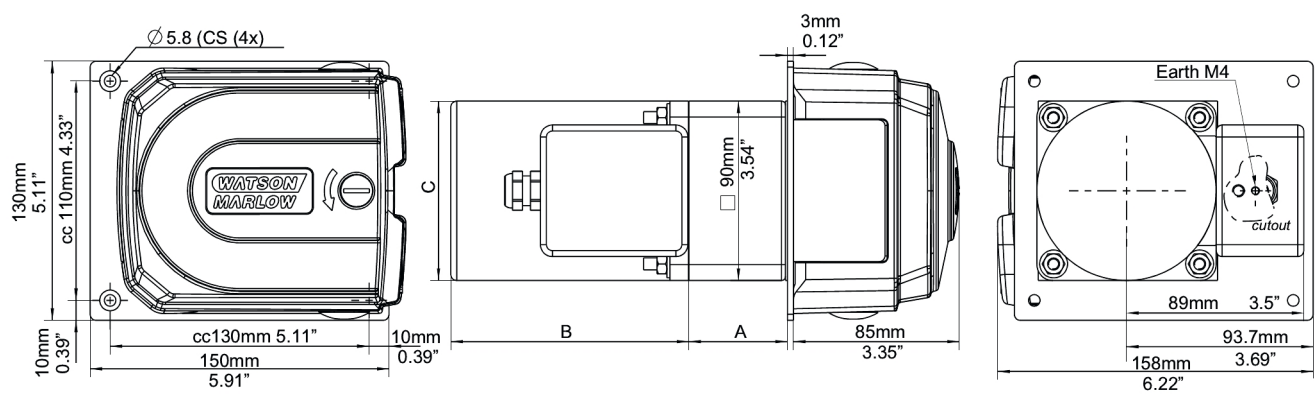
For detailed specifications of individual models refer to product reference manual or contact WMFTS representative.

Materials of construction

	500 FAM heavy duty pump
Pumphead body assembly	Acetal, Aluminium, Aluminium alloy, Brass, Polycarbonate (PC), Polyphenylene sulphide (PPS)
Pumphead rotor assembly	Polyphenylene sulphide (PPS), Stainless steel 316
Pumphead roller assembly	MoS2 filled Nylon 6 (Nylatron), Polyphenylene sulphide (PPS), Stainless steel 316
Tube clamp assembly	Acetal copolymer (Kematal)

Information listed covers the complete range. For detailed specifications of individual models/components refer to product reference manual or contact WMFTS representative.

500 FAM heavy duty pump dimensions



	A	B	C
FAM 37 and 42 rpm	68 mm (2.68 in)	100 mm (3.94 in)	∅ 90
FAM 75, 85, 145 rpm	50 mm (2.68 in)	100 mm (3.94 in)	∅ 90

Product codes

520 FAM product codes		
Supply Voltage	Speed (rpm)	520 FAM/R2
230 VAC 50 HZ	37	040.AG22.210
115 VAC 60 HZ	42	040.EH22.210
220 VAC 50 HZ	75	040.AN22.210
115 VAC 60 HZ	85	040.EP22.210
230 VAC 50 HZ	145	040.AQ22.210

Disclaimer: All flow rates shown were obtained pumping water at 20 °C (68 °F) with zero suction and delivery heads. Watson-Marlow, Pumpsil, PureWeld XL, Bioprene and Marprene are trademarks of Watson-Marlow Limited. The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. GORE and STA-PURE are trademarks of W. L. Gore & Associates. Please state the product code when ordering pumps and tubing.



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