



Improving your PERFORMANCE

521F/R2C fixed speed pumps

Technical Information

- New 520R2C pumphead features PPS (Polyphenylene sulfide) track and rotor, with stainless steel occlusion rollers to resist chemical attack and abrasive wear
- Large track swept volume and two roller rotor design for flows from 25ml/minute to 4600ml/min.
- Heavy duty construction with clear impact proof safeguard, and robust tube clamps which ensure grip in poor operating environments
- Non-adjustable sprung rotor, gently compresses tubing using large low friction rollers with sealed bearings, guaranteeing long tube life and accurate metering
- Fast and simple pumphead set-up using two position sprung tube clamps and clutched rotor for effortless tube loading
- Compact, energy efficient industrial AC motor gearbox, in three fixed speed options rated for 10:1 speed reduction if required

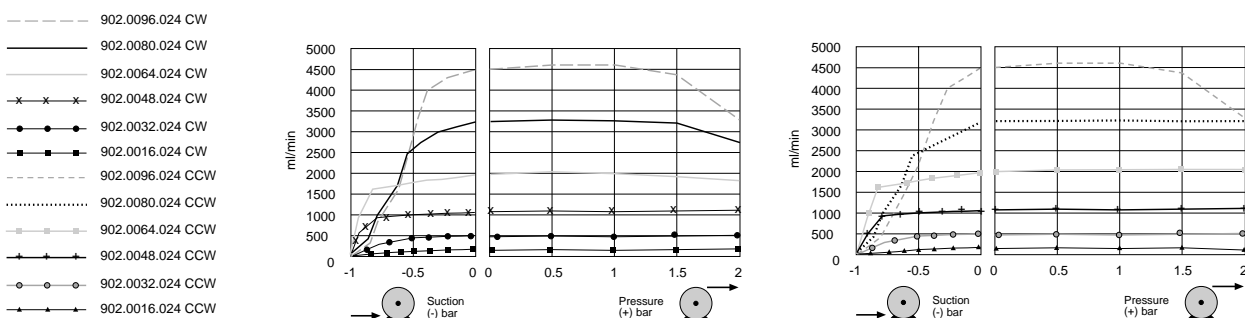


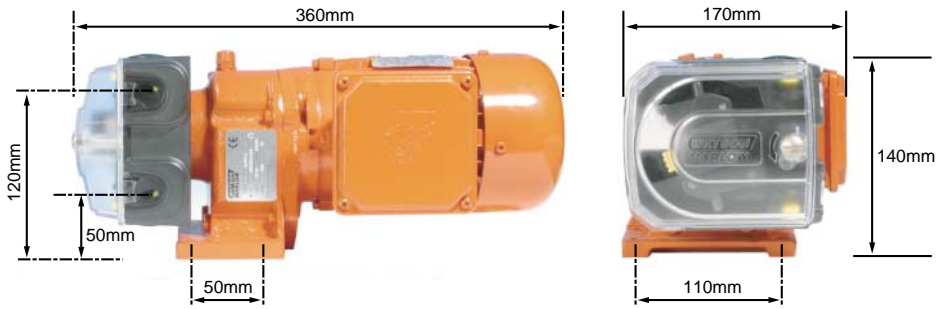
* ATEX compliant pumps for EU available from September 2003

Flow rate ranges (ml/min)

		Tube bore and flow rates (ml/min)					
Tube material	Speed	1.6mm	3.2mm	4.8mm	6.4mm	8.0mm	9.6mm
Neoprene, Sta-Pure, Chem-Sure, Tygon, Platinum-cured silicone	60rpm	26	110	240	420	660	950
	213rpm	94	370	840	1500	2300	3400
	291rpm	130	510	1200	2000	3200	4600
Marprene/Bioprene TL	60rpm	25	100	230	400	630	910
	213rpm	89	360	810	1400	2200	3200
	291rpm	120	490	1100	2000	3100	4400

521R2C Pumphead performance curve, with Marprene tubing at 291rpm





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Product codes			
Pump	rpm	Supply	Product code
521F/R2C	60	230/400V 50Hz 3 ph 0.18kW IP55	050.8122.2L0
	213	230/400V 50Hz 3 ph 0.18kW IP55	050.8152.2L0
	291	230/400V 50Hz 3 ph 0.18kW IP55	050.8172.2L0

Pumphead		
520R2C	Close coupled twin roller pumphead	053.1031.2L0
Close coupled accessories		
Universal baseplate and mounting kit		059.8000.000
313 pumphead mounting kit		059.8031.000
505L pumphead mounting kit		059.8051.000

Tube ordering codes			
Bore/wall (mm)	Bioprene	Marprene	Platinum Silicone
1.6 / 2.4	903.0016.024	902.0016.024	913.A016.024
3.2 / 2.4	903.0032.024	902.0032.024	913.A032.024
4.8 / 2.4	903.0048.024	902.0048.024	913.A048.024
6.4 / 2.4	903.0064.024	902.0064.024	913.A064.024
8.0 / 2.4	903.0080.024	902.0080.024	913.A080.024
9.6 / 2.4	903.0096.024	902.0096.024	913.A096.024
Bore/wall (mm)	STA-PURE [®]	Chem-Sure [®]	
1.6 / 2.4	960.0016.024	965.0016.024	
3.2 / 2.4	960.0032.024	965.0032.024	
4.8 / 2.4	960.0048.024	965.0048.024	
6.4 / 2.4	960.0064.024	965.0064.024	
8.0 / 2.4	960.0080.024	965.0080.024	

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Specification

Weight	11kg
Operational Temperature range	5°C to 40°C
Noise	< 70dBb(A) at 1m
Control Ratio	10:1
Standards	CE, EN60529 (IP55)
Supply	230/400V 3ph, 50Hz

Materials of Construction

Motor	Cast aluminium alloy
Gearbox	Cast iron
Track	PPS (polyphenylene sulfide) with 65% glass fibre and mineral fill
Rotor body and tube clamps	PPS (polyphenylene sulfide) 50% glass filled + 15% mineral
Springs, spindles and main rollers	Stainless steel 316S11 to S13
Guide rollers	Acetal copolymer
Guard	Polycarbonate, clear



Watson-Marlow-Bredel Pumps
 Falmouth
 Cornwall
 England
 TR11 4RU
 Tel: +44 (0) 1326 370370
 Fax: +44 (0) 1326 376009
 www.watson-marlow.com
 Email support4gb@watson-marlow.co.uk