

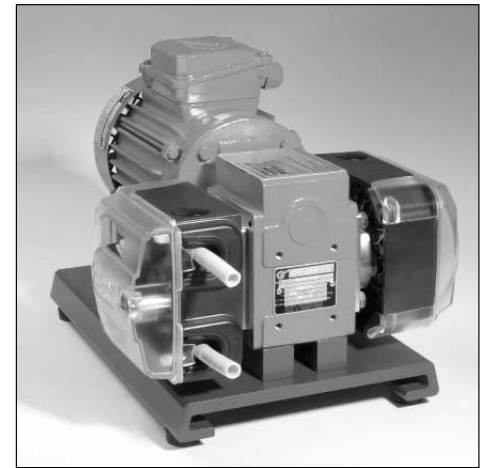


Improving your PERFORMANCE

521FX/R2C fixed speed duplex 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 24ml/minute to 3300ml/min per channel.
- 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 with Duplex gearbox for mounting two pumpheads
- Two fixed speed options rated for 10:1 speed reduction if required

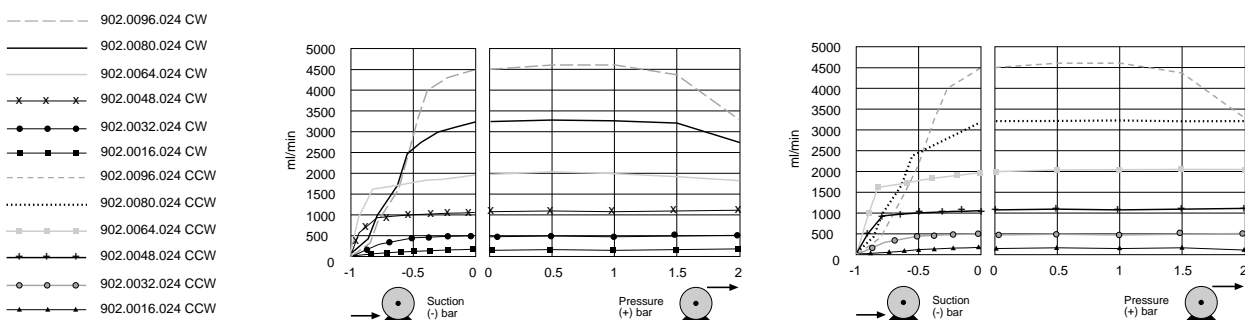


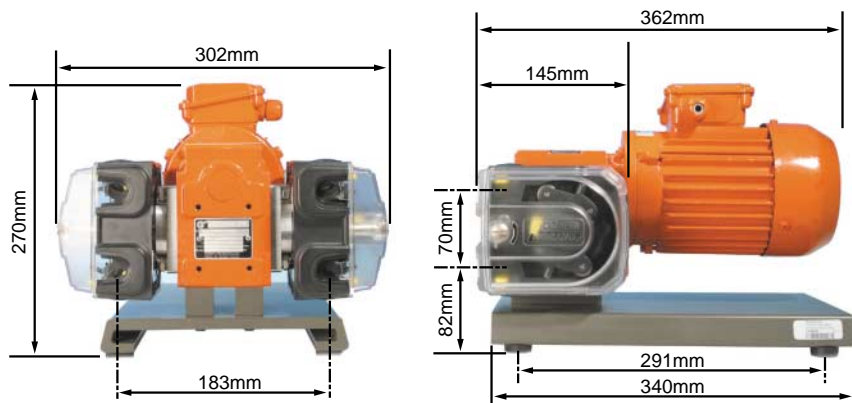
* ATEX compliant pumps for EU available from September 2003

Flow rate ranges (ml/min)

Tube material	Speed	Tube bore and flow rates (ml/min)					
		1.6mm	3.2mm	4.8mm	6.4mm	8.0mm	9.6mm
Neoprene, Sta-Pure, Chem-Sure, Tygon, Platinum-cured silicone	54rpm	24	95	210	380	590	860
	206rpm	91	360	820	1500	2300	3300
Marprene/Bioprene TL	54rpm	23	91	200	360	570	820
	206rpm	87	350	780	1400	2200	3100

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





521FX/R2C fixed speed duplex pumps

Product codes			
Pump	rpm	Supply	Product code
521FX/R2C	54	230/400V 50Hz 3 ph 0.18kW IP55	050.6122.2L0
	206	230/400V 50Hz 3 ph 0.18kW IP55	050.6152.2L0

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	12kg
Operational Temperature range	5°C to 40°C
Noise	< 70dBb(A) at 1m
Control Ratio	10:1
Standards	EN60529 (IP55), CE
Supply	230/400V 50Hz 3ph

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



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All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Bioprene and Marprene are trademarks of Watson-Marlow Limited.
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