



Improving your PERFORMANCE

521P/R2C pneumatic 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 120ml/minute to 4400ml/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
- Variable speed high torque, four vane reversible pneumatic motor fitted with outlet speed controller

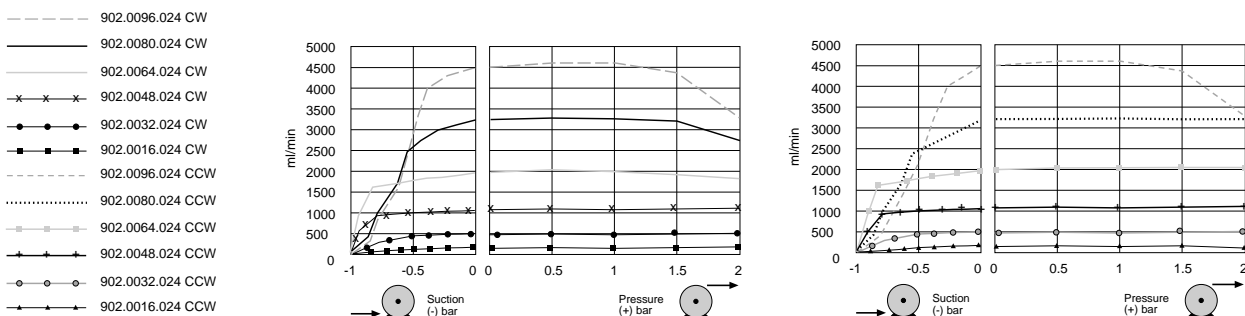


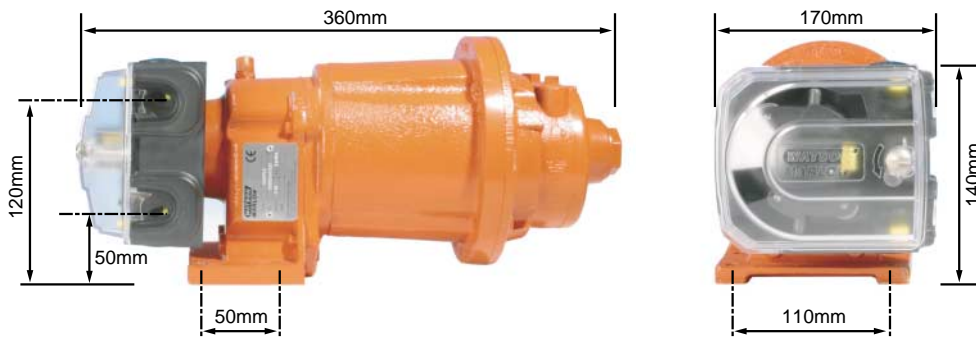
* ATEX compliant pumps for EU available from September 2003

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
Sta-Pure, Chem-Sure, Tygon, Platinum-cured silicone	257rpm	110	450	1000	1800	2800	4100
Marpren/Bioprene TL	257rpm	110	430	970	1700	2700	3900

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





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Product codes			
Pump	rpm	Supply	Product code
521P/R2C Air driven	257	14 l/sec (30 cfm) @ 7bar (100 psi) 0.56kW IP55	050.8252.2L0

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	5:1
Standards	CE
Supply	Up to equivalent 0.56kW 14 l/sec (30 cfm) @ 7bar (100 psi) 0.56kW IP55

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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