



Improving your PERFORMANCE

701PB/R pneumatic baseplate pumps

Technical information and features

- Flow rates from 74 litre/hour to 1757 litre/hour. Speed limiter - the motor is fitted with a limiter on the output port as standard to avoid running over speed (maximum 316rpm)
- 5:1 control range at 7 bar 100psi
- Reversible operation is possible by using a four way valve which can be connected by piping to both air ports of the motor
- Four vane air motor, requires a suitable filter/regulator/lubricator fitted in advance of the motor (not supplied)
- Air supply max 14 l/s (30 CFM) at 7 bar pressure, lubricated with one drop of SAE #10 oil for every 23-35 l/s (50-75 CFM)
- Suitable for Zone 1 hazardous area operation
- Rapid and simple tube loading 701RB pumphead accepts five tube bore sizes
- Driven-roller pumphead for extended tube life with tool lockable guard/track



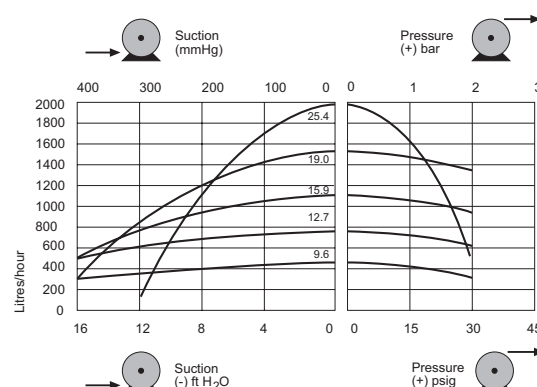
Flow rate ranges (litre/hour)

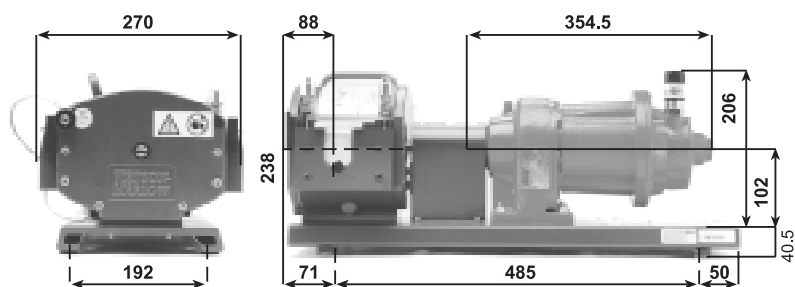
Pump models	Speed rpm	Tube bore and flow rates				
		9.6mm	12.7mm	15.9mm	19.0mm	25.4mm
701PB/R	63.2-316	73.8-369	137-685	189.6-948	263-1317	351-1757

LEGEND

B = Baseplate
P = Pneumatic

701R pumphead





for outline drawings of the inverter, please contact Watson-Marlow Bredel technical support

701PB/R pneumatic baseplate pumps

Product code	Description	rpm	Air consumption
070.3032.000	701PB/R	316	Max 14 l/s (30CFM) Max 7 bar (100psi)
073.0101.000	701RB Driven roller pumphead		
073.0111.000	701RBX Extension pumphead		
073.0121.00G	701RBG Driven roller pumphead for STA-PURE tubing		
079.0531.000	701IRF Interface relay		

Tube ordering codes				
Bore/wall (mm)	Bioprene	Marprene	Peroxide Silicone	Platinum Silicone
9.6 / 4.8	903.0096.048	902.0096.048	910.0096.048	913.0096.048
12.7 / 4.8	903.0127.048	902.0127.048	910.0127.048	913.0127.048
15.9 / 4.8	903.0159.048	902.0159.048	910.0159.048	913.0159.048
19.0 / 4.8	903.0190.048	902.0190.048	910.0190.048	913.0190.048
25.4 / 4.8	903.0254.048	902.0254.048	910.0254.048	913.0254.048
Bore/wall (mm)	Neoprene	STA-PURE ®	Fluorel ®	
9.6 / 4.8	920.0096.048	960.0096.048		
12.7 / 4.8	920.0127.048	960.0127.048		
15.9 / 4.8	920.0159.048	960.0159.048		
19.0 / 4.8	920.0190.048	960.0190.048	970.0190.048	
25.4 / 4.8	920.0254.048	960.0254.048		

® Fluorel is a registered trademark of Dyneon LLC, a 3-M Hoechst Enterprise

® STA-PURE is a registered trademark of W.L Gore & Associates Inc.

Please state the product code when ordering pumps and tubing.

Specification

Weight 701PB/R 28kg

Operational temperature range 5°C to 40°C

Noise Max 85dBA at 1m

Standards CE, BS0800, IEC335-1, EN60529 (IP55)

Supply Max 7 bar (100psi)
Max 14 l/s (30 CFM)

Materials of construction

Drive

Motor Cast aluminium alloy

Gear box Cast iron

Rotor end plates Aluminium

Cradle assembly, track Aluminium epoxy finish-black

Central shaft EN24 steel

Rollers MOS2 filled Nylon 6 (Nylatron)

Sun gear Mild steel zinc plated

Clamp release levers Glass filled nylon

Springs, spindles Stainless steel

Fixings Stainless steel



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