

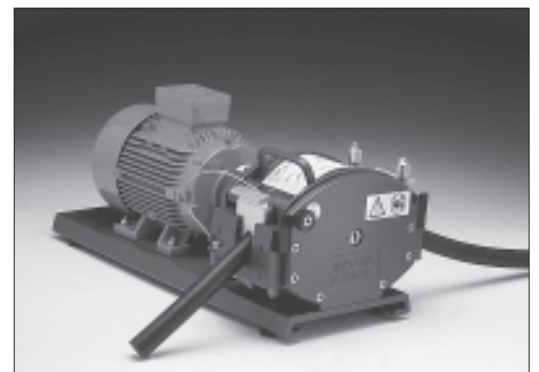


Improving your PERFORMANCE

701IB/R IP55 variable speed baseplate pumps

Technical information and features

- Flow rates from 54 litre/hour to 1935 litre/hour up to 2 bar pressure as standard. (4 bar pressure can be achieved with the 701RBG pumphead and STA-PURE tubing)
- Single phase 230V vector inverter (3 phase available on special request) controlled pumps have 5:1 electronically variable speed control with fast braking and protection against overheating
- Vector inverters accept 0-10V and 4-20mA analogue signal for remote speed control, offer frequency output signals, can accept remote start/stop and RS485 serial communication
- Rapid and simple tube loading 701RB pumphead accepts five tube bore sizes
- Driven-roller pumphead for extended tube life with tool lockable guard/track
- Accepts 701RBX extension pumphead to double flow (transfer duty only when using largest bore size tube)



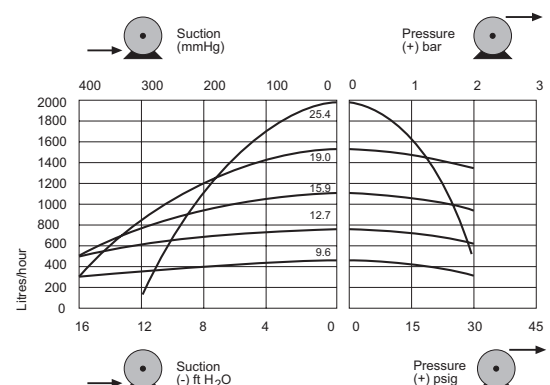
Flow rate ranges (litre/hour)

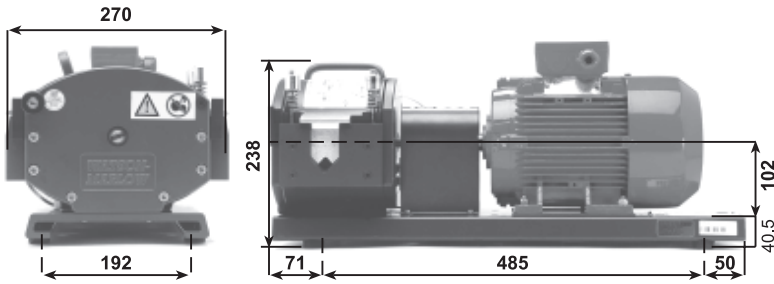
Pump models	Speed rpm	Tube bore and flow rates				
		9.6mm	12.7mm	15.9mm	19.0mm	25.4mm
701IB/R, 701IB/R/RX	46-232	54-271	100-503	138-696	192-967	256-1290
701IB/R, 701IB/R/RX	69-348	81-406	150-754	207-1044	288-1450	384-1935

LEGEND

- F = Fixed speed
 B = Baseplate
 I = Inverter control

701R pumphead





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

701IB/R IP55 variable speed baseplate pumps

Product code	Description	rpm	Power
070.6822.000	701IB/R	232	1.1kW
070.6832.000	Inverter controlled	348	1.1kW
070.6822.X00	701IB/R/RX	232	1.1kW
070.6832.X00	Inverter controlled with extension pumphead	348	1.1kW
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		

If required for use with STA-PURE tubing, please contact Watson-Marlow Bredel technical support for drive and pumphead selection

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	701IB/R Exc. inverter 24kg
Operational temperature range	5°C to 40°C
Control range	5:1
Noise	Max 85dBA at 1m
Standards	CE, BS0800, IEC335-1, EN60529 (IP55)

Materials of construction

Motor	Cast aluminium alloy
Gearbox	Cast iron
Rotor end plates	Aluminium
Cradle assembly, track	Aluminium epoxy finish-black
Central shaft	EN24 steel
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