

Improving your PERFORMANCE

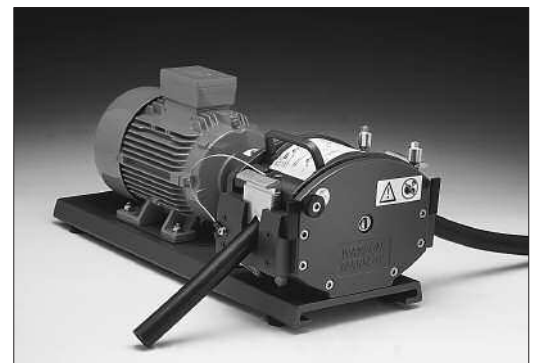
701 IP55 fixed speed baseplate pumps

Technical Information and features

- Flow rates from 53 litre/hour to 1,935 litre/hour up to 2 bar pressure as standard. (4 bar pressure can be achieved with the 701RBG pumphead and STA-PURE tubing)
- Rugged three phase 0.37kW TEFC AC motor gearboxes and 1.1kW three phase 230/415V 50Hz TEFC AC motors
- Frequency inverter control options
- ATEX 1126 drive options - for details contact Applications Engineering
- 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 701RBEX extension pumphead to double flow



0.37kW



1.1kW

Flow rate ranges (litre/hour)

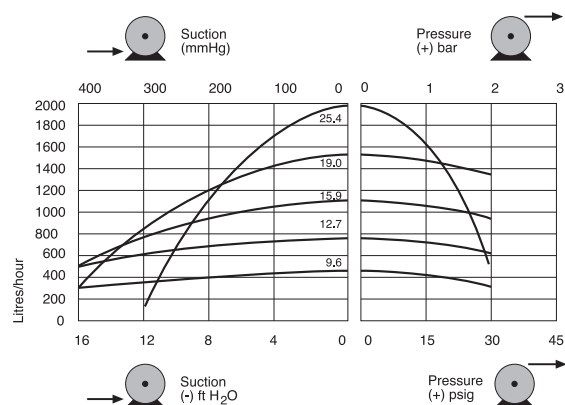
Pump models	Speed rpm	LoadSure tube elements bore and flow rates				
		9.6mm	12.7mm	15.9mm	19.0mm	25.4mm
701FB/R	45	53	98	135	188	250
701FB/R, 701DFB/R	134	156	290	402	558	745
701FB/R	232	271	503	696	967	1290
701FB/R, 701DFB/R	348	406	754	1044	1450	1935

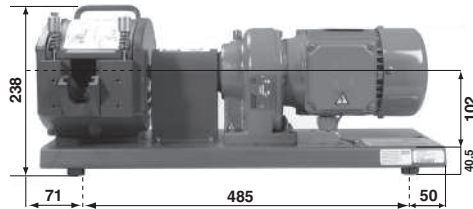
701R pumphead

LEGEND

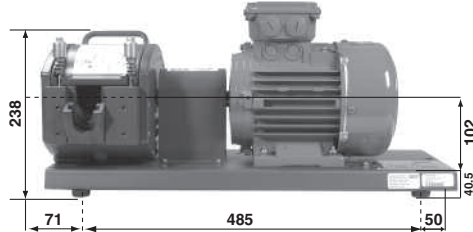
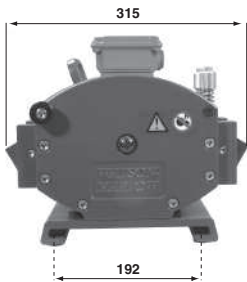
F = Fixed speed

B = Baseplate





0.37kW



1.1kW

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

701 IP55 fixed speed baseplate pumps

Product code	Description	rpm	Power
070.1012.E00	701DFB/RA ATEX drive option	134	0.37kW
070.1032.E00	701DFB/RA ATEX drive option	348	1.1kW
070.1012.EX0	701DFB/RA/RXA ATEX drive option	134	0.37kW
070.1032.EX0	701DFB/RA/RXA ATEX drive option with extension pumphead	348	0.37kW
070.5402.E00	701FB/R Fixed speed	45	0.37kW
070.5412.E00	701FB/R Fixed speed	134	0.37kW
070.5422.E00	701FB/R Fixed speed	232	1.1kW
070.5432.E00	701FB/R Fixed speed	348	1.1kW
070.5422.EX0	701FB/R/RX Fixed speed with extension pumphead	232	1.1kW
070.5432.EX0	701FB/R/RX Fixed speed with extension pumphead	348	1.1kW
073.0104.000	701RB Driven roller pumphead		
073.0114.000	701RBX Extension pumphead		
079.0121.00G	701IRBG Driven roller pumphead for STA-PURE tubing		
079.0531.000	701IRF Interface relay		

Tube ordering codes			
Bore/wall (mm)	Bioprene	Marprene	Platinum Silicone
9.6 / 4.8	903.0096.048	902.0096.048	913.A096.048
12.7 / 4.8	903.0127.048	902.0127.048	913.A127.048
15.9 / 4.8	903.0159.048	902.0159.048	913.A159.048
19.0 / 4.8	903.0190.048	902.0190.048	913.A190.048
25.4 / 4.8	903.0254.048	902.0254.048	913.A254.048
Bore/wall (mm)	STA-PURE®	Chem-Sure®	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	920.0156.048	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	

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 © STA-PURE is a registered trademark of W.L. Gore & Associates Inc
 Please state the product code when ordering pumps and tubing

Specification

Weight	701DFB/REA	32kg
	701FB/R(0.37kW)	26kg
	701FB/R(1.1kW)	24kg

Operational Temperature range	5°C to 40°C
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Noise	Max 85dBA at 1m
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Standards	CE, BS0800, IEC335-1, EN60529 (IP55) 94/9/EC (ATEX)
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Materials of Construction

Drive	Cast aluminium alloy
Gearbox	Cast iron
Rotor end plates	Aluminium
Cradle assembly, track	Aluminium epoxy finished-grey
Central shaft	EN24 steel
Rollers	MOS ₂ filled Nylon 6 (Nylatron)
Sun gear	Mild steel zinc plated
Springs, spindles	Stainless steel
Fixings	Stainless steel



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