

Improving your PERFORMANCE

## 701PB/RE pneumatic baseplate pump

### Technical Information and features

- Flow rates from 140 litre/hour to 1,300 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 14l/s (30 CFM) at 7 bar pressure, lubricated with one drop of SAE #10 oil for every 23-35l/s (50-75 CFM)
- ATEX 1126 drive options
- Driven-roller pumphead for extended tube life with tool lockable guard/track. Accepts snap fit tube elements with Cam+Groove connectors to eliminate operator error and extend life

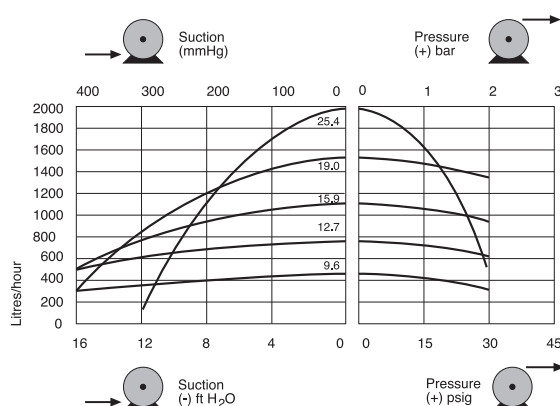


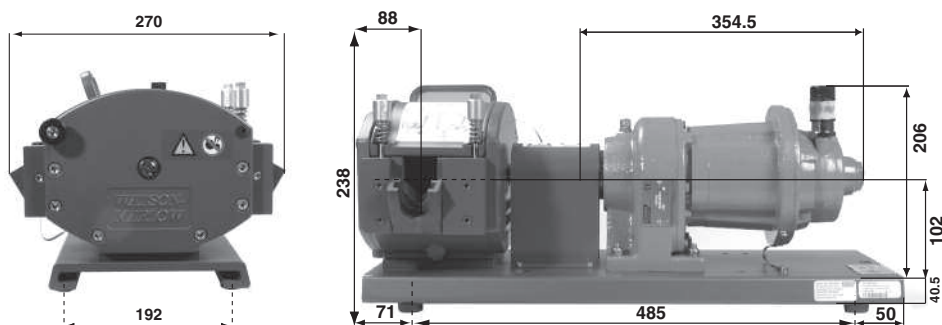
### Flow rate ranges (litre/hour)

Pump models	Speed rpm	LoadSure tube element bore and flow rates			
		12.7mm	15.9mm	19.0mm	25.4mm
701PB/RE	63-316	140-680	190-950	260-1300	195-973

If 9.6mm bore or 25.4mm bore tubing is required please use 701R pumphead with continuous tubing

### 701RE + 701R pumphead





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

## 701PB/RE pneumatic baseplate pump

Product code	Description	rpm	Air consumption
070.2002.000	701PB/R	316	Max 14l/s (30CFM) Max 7 bar (100psi)
073.0101.000	701RB Driven roller pumphead		
073.0111.000	701RBX Extension pumphead		
073.0121.00G	701IRBG Driven roller pumphead for STA-PURE tubing		
079.0531.000	701IRF Interface relay		

LoadSure tube element ordering codes		
Bore/wall (mm)	Marprene	Neoprene
12.7 / 4.8	902.0127.PPC	920.0127.PPC
15.9 / 4.8	902.0159.PPC	920.0159.PPC
19.0 / 4.8	902.0190.PPC	920.0190.PPC

All LoadSure pumpheads must be connected with flexible installation tubing

LoadSure installation tubing ordering codes		
Length(m)/bore(mm)	Transparent PVC tubing with 3/4" PP female connectors	Transparent PVC tubing with 3/4" PP female/male connectors
1m/19mm	069.6171.PFC	069.6171.PTC
3m/19mm	069.6173.PFC	069.6173.PTC

LoadSure installation tubing ordering codes		
Length(m)/bore(mm)	Black PVC tubing with 3/4" PP female C&G connectors	Black PVC tubing with 3/4" PP female/male C&G connectors
1m/19mm	069.6181.PFC	069.6181.PTC
3m/19mm	069.6183.PFC	069.6183.PTC

LoadSure industrial element mating connectors	
Cam and Groove female PP 3/4" connector with 1/2" barbed end	069.0120.PFC
Cam and Groove female PP 3/4" connector with 3/4" barbed end	069.0170.PFC
Cam and Groove female PP 3/4" connector with 1/2" BSP/NPT threaded end	069.0120.PTC
Cam and Groove female PP 3/4" connector with 3/4" BSP/NPT threaded end	069.0170.PTC

Please state the product code when ordering pumps and tubing.

## Specification

<b>Weight</b>	701PB/RE	28kg
<b>Operational Temperature range</b>	5°C to 40°C	
<b>Noise</b>	Max 85dBA at 1m	
<b>Standards</b>	CE, BS0800, IEC335-1 EN60529 (IP55)	
<b>Supply</b>	Max 7 bar (100psi) Max 14l/s (30CFM)	

## Materials of Construction

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



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