

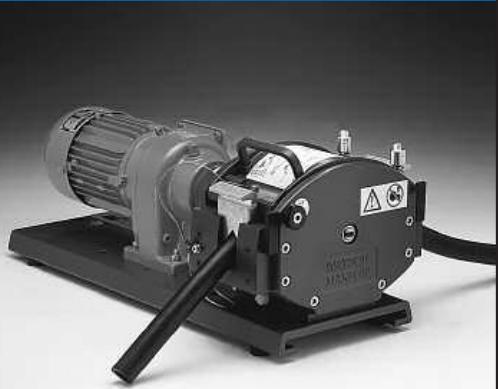
701 IP55 fixed speed baseplate pumps for LoadSure elements

FEATURES

- Snap fit tube element loading eliminates operator error and extends tube life
- Industrial Cam & Groove quick release connectors ensure a secure instant installation
- Flow rates up to 1,500 litre/hour up to 2 bar (peak) pressure as standard
- Industrial three phase 0.37kW 230/400V TEFC AC motor gearboxes and 1.1kW three phase 230/400V 50Hz TEFC AC motors
- Frequency inverter control options
- ATEX 1126 drive options - for details contact Applications Engineering
- Driven-roller pumphead for extended tube life with tool lockable guard/track
- Accepts 701RBEX extension pumphead to double flow

700 series

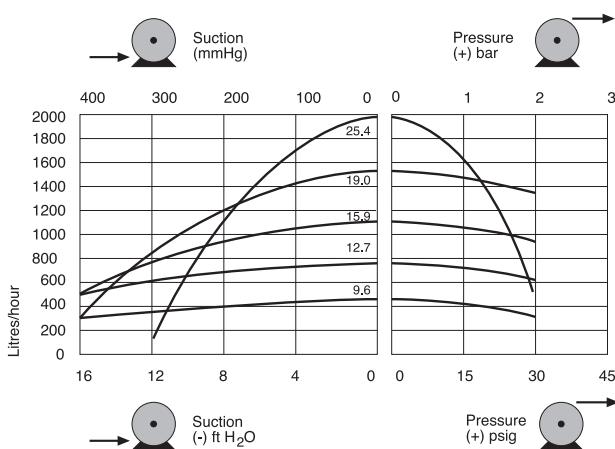
Watson-Marlow Pumps



Watson-Marlow...Innovation in Full Flow

PERFORMANCE

| Flow rate ranges (litre/hour) | | | | |
|-------------------------------|--|--------|--------|--------|
| | LoadSure tube elements bore and flow rates | | | |
| Pump models | Speed rpm | 12.7mm | 15.9mm | 19.0mm |
| 701FB/RE | 45 | 97 | 140 | 190 |
| 701FB/RE | 134 | 290 | 400 | 560 |
| 701FB/RE | 232 | 500 | 700 | 970 |
| 701FB/RE | 348 | 750 | 1000 | 1500 |



701RE + 701R pumphead

LEGEND
 E = Loadsure tube element
 F = Fixed speed
 B = Baseplate
 A = ATEX drive option

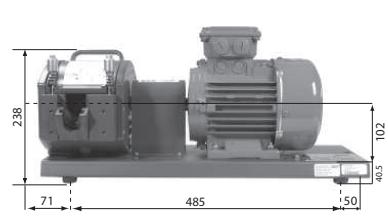
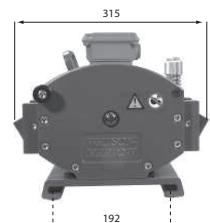
If 9.6mm bore or 25.4mm bore tubing is required please use 701R pumphead with continuous tubing

DIMENSIONS

0.37kW



1.1kW



TECHNICAL SPECIFICATION

MATERIALS OF CONSTRUCTION

| 701B/R | |
|-------------------------------|--|
| Weight | 701DFB/REA 37kg 701FB/RE (0.37kW) 37kg 701FB/RE (1.1kW) 37kg |
| Operational temperature range | 5C to 40C |
| Noise | Max <85dBA at 1m |
| Standards | CE, BS0800, EN60529 (IP55) 94/9/EC (ATEX) |
| Supply | 230/400V 3ph, 50/60Hz |

| Component | Material |
|------------------------|--|
| 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 |

ORDER INFORMATION

| Product codes | | | |
|---------------|---|-----|--------|
| Product code | Description | rpm | Power |
| 070.1012.E00 | 701DFB/REA ATEX drive option | 134 | 0.37kW |
| 070.1032.E00 | 701DFB/REA ATEX drive option | 348 | 1.1kW |
| 070.1012.EX0 | 701DFB/REA/REXA ATEX drive option | 134 | 0.37kW |
| 070.1032.EX0 | 701DFB/REA/REXA ATEX drive option with extension pumphead | 348 | 0.37kW |
| 070.5402.E00 | 701FB/RE Fixed speed | 45 | 0.37kW |
| 070.5412.E00 | 701FB/RE Fixed speed | 134 | 0.37kW |
| 070.5422.E00 | 701FB/RE Fixed speed | 232 | 1.1kW |
| 070.5432.E00 | 701FB/RE Fixed speed | 348 | 1.1kW |
| 070.5422.EX0 | 701FB/RE/REX Fixed speed with extension pumphead | 232 | 1.1kW |
| 070.5432.EX0 | 701FB/RE/REX Fixed speed with extension pumphead | 348 | 1.1kW |
| 073.0104.000 | 701RBE Driven roller pumphead | | |
| 073.0114.000 | 701RBEX Extension pumphead | | |
| 079.0531.000 | 701IRF Interface relay | | |

| Tube ordering codes | | |
|---------------------|--------------|--------------|
| Bore/wall | 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 |

| Length (m) / bore (mm) | Transparent PVC tubing with 3/4" PP female C&G connectors | Transparent PVC tubing with 3/4" PP female/male C&G 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 | |
|---|--------------|
| C&G female PP 3/4" connector with 1/2" barbed end | 069.0120.PFC |
| C&G female PP 3/4" connector with 3/4" barbed end | 069.0170.PFC |
| C&G female PP 3/4" connector with 1/2" BSP/NPT threaded end | 069.0120.PTC |
| C&G female PP 3/4" connector with 3/4" BSP/NPT threaded end | 069.0170.PTC |

All flow rates shown were obtained pumping water at 20C (68F) with zero suction and delivery heads. Watson-Marlow, Bioprene and Marprene are trademarks of Watson-Marlow Limited. Disclaimer: The information contained in this document is believed to be correct but Watson-Marlow Limited accepts no liability for any errors it contains, and reserves the right to alter specifications without notice. LoadSure is a trademark of Watson-Marlow Limited. © STA-PURE PFL and © STA-PURE PCS are registered trademarks of W.L. Gore & Associates Inc. Please state the product code when ordering pumps and tubing.



wmpg.com
info@wmpg.com
+44 (0) 1326 370370