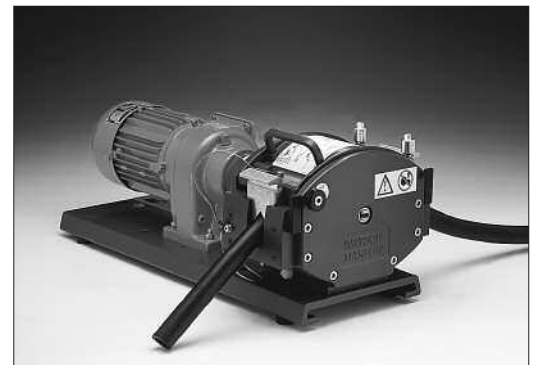


Improving your PERFORMANCE

701 IP55 fixed speed baseplate pumps for LoadSure elements

Technical Information and 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



0.37kW / 1.1kW

Flow rate ranges (litre/hour)

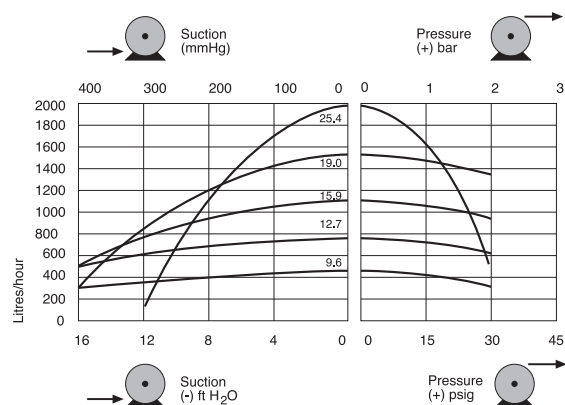
Pump models	Speed rpm	LoadSure tube elements bore and flow rates		
		12.7mm	15.9mm	19.0mm
701FB/RE	45	97	140	190
701FB/RE	134	290	400	560
701FB/RE	232	500	700	970
701FB/RE	348	750	1000	1500

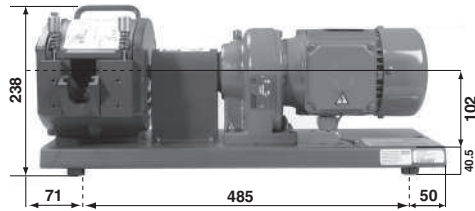
701RE + 701R pumphead

LEGEND

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

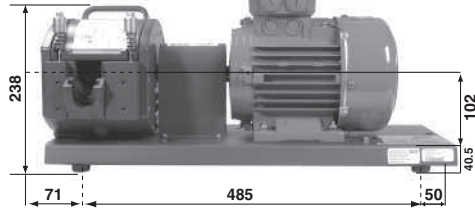
If 9.6mm bore or 25.4mm bore tubing is required please use 701R pumphead with continuous tubing





0.37kW

consult Watson Marlow for ATEX drive dimensions



1.1kW

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

701 IP55 fixed speed baseplate pumps for LoadSure elements

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		

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 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

Please state the product code when ordering pumps and tubing.

Specification

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

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

