

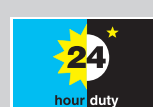
730SN/R, 730UN/R and 730DuN/R with 720R pumphead for continuous tube

700series

Watson-Marlow Pumps

FEATURES

- Colour display and intuitive menu structures provide visual status indication and minimal key presses
- Flow rates from 0.12 L/hr (0.03 USGPH) to 2,000 L/h (530 USGPH)
- 720R pumphead for 4.8mm wall tubing
- 3,600:1 speed control range from 0.1 to 360 rpm in 0.1 rpm increments
- Keypad incorporates 3-level security PIN lock
- IP66 (NEMA 4X) cased pumps
- Dual voltage 115/230V 50/60Hz

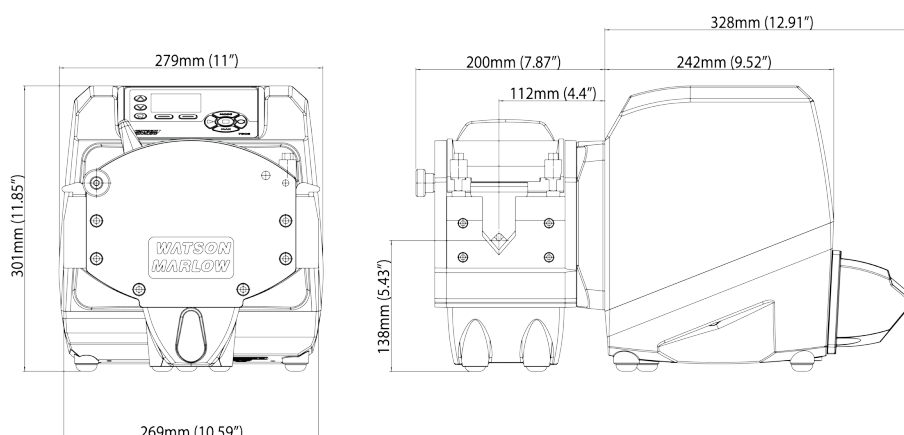


Watson-Marlow...Innovation in Full Flow

TECHNICAL DATA

Pump drives	730SN	730UN	730DuN
Manual control			
Intuitive keypad and colour display	•	•	•
Choice of flowrate or speed display	•	•	•
Full calibration with choice of flow units	•	•	•
Remote control			
Configurable start/stop, leak detector and pressure switch input (via contact closure or 5V TTL to 24V industrial logic)		•	•
Direction change and auto/manual toggle input (via contact closure or 5V TTL to 24V industrial logic)		•	•
Remote operation of MemoDose (foot/hand-switch or logic input)		•	•
Four configurable digital status outputs through 24V, 30W relays		•	•
Analogue speed control			
Fully configurable inputs; 0-10V or 4-20mA		•	•
Analogue outputs; 0-10V, 4-20mA		•	•
Keypad/analogue input scaling (replacement of diaphragm pumps)		•	•
Tacho frequency output; 0-1478Hz		•	•
Digital communication			
RS485 network control			•
Security			
3-level security PIN lock	•	•	•

DIMENSIONS

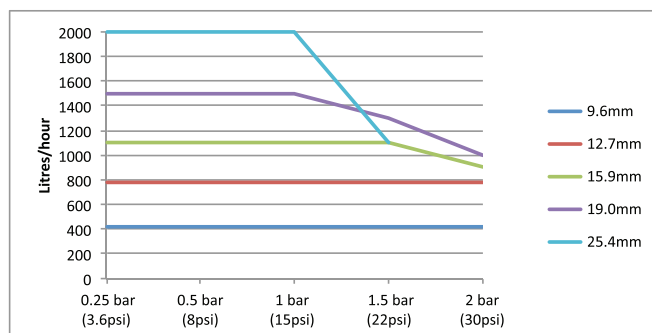
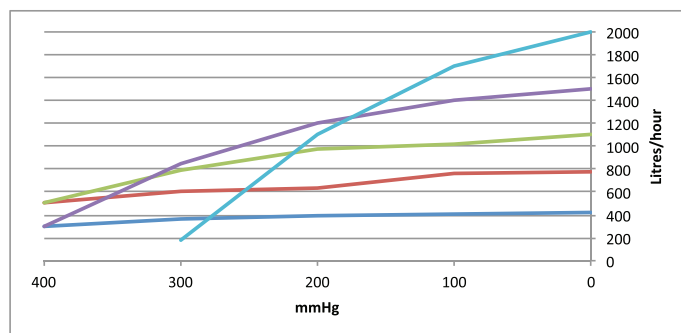


PERFORMANCE

730 cased pumps' performance limits

Single pumphead (720R, 720RE)	0.25 bar (3.6 psi)		0.5 bar (8 psi)		1 bar (15 psi)		1.5 bar (22 psi)		2 bar (30 psi)	
	Max speed (rpm)*	Max flow	Max speed (rpm)*	Max flow	Max speed (rpm)*	Max flow	Max speed (rpm)*	Max flow	Max speed (rpm)*	Max flow
9.6mm (0.4")	360	420 l/hr (111 GPH)	360	420 l/hr (111 GPH)	360	420 l/hr (111 GPH)	360	420 l/hr (111 GPH)	360	420 l/hr (111 GPH)
12.7mm (0.5")	360	780 l/hr (206 GPH)	360	780 l/hr (206 GPH)	360	780 l/hr (206 GPH)	360	780 l/hr (206 GPH)	360	780 l/hr (206 GPH)
15.9mm (0.6")	360	1100 l/hr (291 GPH)	360	1100 l/hr (291 GPH)	360	1100 l/hr (291 GPH)	360	1100 l/hr (291 GPH)	300	900 l/hr (238 GPH)
19.0mm (0.7")	360	1500 l/hr (396 GPH)	360	1500 l/hr (396 GPH)	360	1500 l/hr (396 GPH)	300	1300 l/hr (343 GPH)	250	1000 l/hr (264 GPH)
25.4mm (1.0")	360	2000 l/hr (528 GPH)	360	2000 l/hr (528 GPH)	360	2000 l/hr (528 GPH)	200	1100 l/hr (291 GPH)		

*The maximum speed is reduced at increased discharge pressures to ensure safe running of the pump



SPECIFICATIONS

730SN, 730UN, 730DuN	
Ingress rating	IP66 / NEMA 4X
Enclosure	Watertight / dustproof
Suitability	Corrosion resistant for heavy industrial environments
Humidity (non-condensing)	80% up to 31C (88F), decreasing linearly to 50% at 40C (104F)
Temperature	5C to 40C (40F to 104F)
Pump weight	25kg (55lb 2oz)
Speed control ratio	3,600:1
Noise	85dB(A) at 1m
Standard	CE, cETLus
Power supply	100-120V/200-240V 1ph 50/60Hz, 350VA

MATERIALS OF CONSTRUCTION

Component	Material
Keypad	Polyester
Switch-plate	ABS PA-765
Rear blanking plate	Stainless steel 316
Drive casework	Pressure die-cast aluminium (top - LM6, base - LM24)
Casework and pumphead coating	Alocrom pre-treatment, exterior grade polyester powder coat
Drive shaft	Stainless steel 440C
Pumphead body/track	Aluminium
Rotor end plates	Aluminium
Rollers	MOS2 filled nylon 6 (Nylatron)
Springs/spindles	Stainless steel

ORDER INFORMATION



Model

3: S
4: U
5: Du
6: Bp

Pumphead

00: 720R
E0: 720RE
X0: 720R/RX
EX: 720RE/RX

Plug options*

U: UK mains plug
E: EU mains plug
A: American mains plug
K: Australia mains plug
R: Argentina mains plug
C: Swiss mains plug
D: India/South Africa mains plug
B: Brazil mains plug

Continuous tubing					
	9.6mm	12.7mm	15.9mm	19mm	25.4mm
Marprene®	902.0096.048	902.0127.048	902.0159.048	902.0190.048	902.0254.048
Pumpsil®	913.0096.048	913.0127.048	913.0159.048	913.0190.048	913.0254.048
Bioprene®	933.0096.048	933.0127.048	933.0159.048	933.0190.048	933.0254.048
PureWeld® XL	941.0096.048	941.0127.048		914.0190.048	914.0254.048
STA-PURE Series PCS	960.0096.048	960.0127.048	960.0159.048	960.0190.048	960.0254.048
Neoprene		920.0127.048	920.0159.048	920.0190.048	920.0254.048

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.

**WATSON
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Pumps**

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