

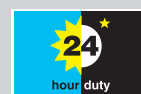
730BpN PROFIBUS cased pump

700^{series}

Watson-Marlow Pumps

FEATURES

- Easy installation, no complicated wiring
- Reduced hardware and engineering costs
- Intelligent devices capable of diagnostic feedback
- Real time communication makes your process secure and flexible
- Bus speed 9.6 kbits/s up to 12000 kbits/s
- 0.12 L/hr (0.03 USGPH) to 2000 L/hr (530 USGPH) with 730 pump fitted with 720RE pumphead
- IP66 (NEMA 4X) cased pumps

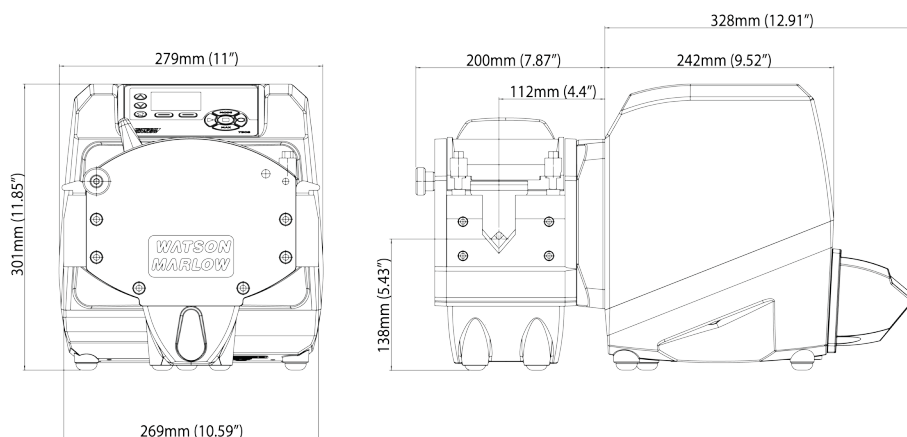


Watson-Marlow...Innovation in Full Flow

TECHNICAL DATA

Pump drive	730BpN
Manual control	
Intuitive keypad and colour display	•
Full calibration with choice of flow units	•
Choice of flowrate or speed display	•
MemoDose function	•
Auto restart facility	•
Leak detection	•
Fieldbus technology	
Profibus DP V0	•
Communication speeds from 9.6 kbits/s up to 12000 kbits/s	•
Auto-detect bus speed	•

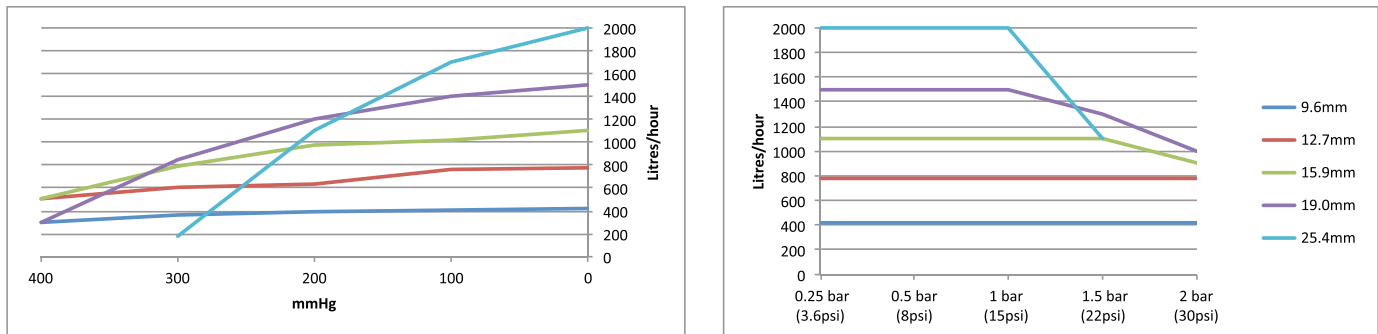
DIMENSIONS



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



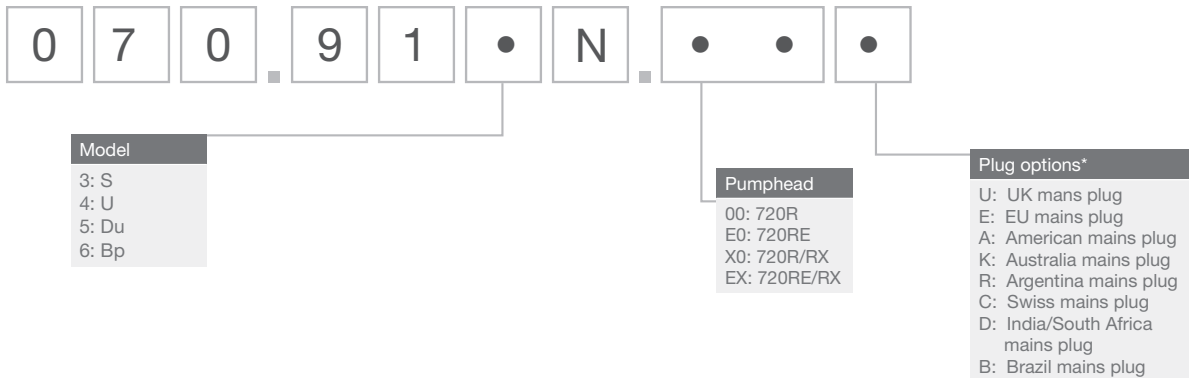
SPECIFICATIONS

730BpN	
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



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 Inc. © 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.