

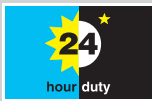
600 series

Watson-Marlow Pumps

621FX/RE4 fixed speed close coupled pump

FEATURES AND BENEFITS

- Dual pumpheads for balanced twin-channel flows
- Flow rates from 2.39 L/min (0.63 USGPM) to 13.1 L/min (3.46 USGPM) per channel, pressures up to 2 bar (30psi), or 4 bar (60psi) with STA-PURE or TM Marprene/Bioprene
- Fixed speed, compact design
- Rugged IP55 AC motor for industrial environments
- All pumpheads have tool unlocking with safety interlock option
- Two 620RE4 four-roller low pulsation pumpheads with CIP/SIP rotors
- Rapid snap-fit tube loading, 620RE4 pumpheads accept both 12mm and 17mm industrial and sanitary LoadSure™ elements
- Two years comprehensive warranty



Watson-Marlow...Innovation in Full Flow

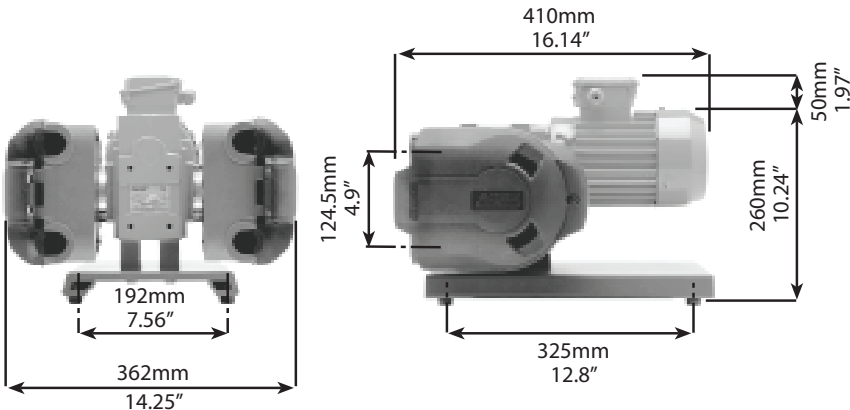
PERFORMANCE

621FX/RE4 (litre/min), per channel			
LoadSure™ element material	Speed range (rpm)	12mm	17mm
Marprene TM, Bioprene TM	76 / 259	2.39 / 8.16	3.13 / 10.7
Marprene TL, Bioprene TL	76 / 259	2.39 / 8.16	3.58 / 12.2
Silicone	76 / 259	2.50 / 8.52	3.24 / 11.0
Neoprene, STA-PURE	76 / 259	2.57 / 8.75	3.84 / 13.1

Note: 621FX drive can also be fitted with the 625L high accuracy low pulse pumphead.

Tube life (hours) for 620RE and 620R two roller pumpheads with water @ 20C 100rpm rotor speed			
Bioprene TL/Marprene TL	6000		
STA-PURE	6000		
Neoprene	430		
Silicone	230		
Butyl	100		
Tygon	90		
Fluorel	70		

DIMENSIONS



TECHNICAL SPECIFICATION

MATERIALS OF CONSTRUCTION

	621FX/RE4
Weight	23kg (50lb 7oz)
Operational temperature range	5C to 40C (40F to 104F)
Noise	75dBA at 1m
Standards	CE, BS0800, IEC335-1, EN60529 (IP55)
Supply	230/400V 3ph 50/60Hz

Component	Material
Drive	
Motor	Cast iron
Gearbox	Cast iron
620R, 620RE, 620RE4 pumpheads	
Track	Aluminium LM24M powder coated
Guard	Outer layer - Polyurethane PBA Inner shell - Grilamid TR55
Guard catch	EN34 case hardened Xlan 5200 coated
Rotor	
Hub and roller arms	Fortron 1140L4 (PPS)
Cover	Dupont Hytrel G5544
Main rollers	Stainless steel 304
Main roller bearings	Carbon steel
Guide rollers	Nylatron
Tube clamp sets	Polypropylene

ORDER INFORMATION

Product codes		
621FX/RE4 76rpm 259rpm	Drive + four roller pumphead for LoadSure™ elements	060.6122.E40 060.6152.E40
620R	Two roller pumphead for continuous tubing	063.0211.000
620RE	Two roller pumphead for LoadSure™ elements	063.0231.000
620RE4	Four roller pumphead for LoadSure™ elements	063.0431.000

LoadSure™ tube element codes for 620RE4 and 620RE pumpheads						
	12mm DIN 15	17mm DIN 15	12mm Tri-clamp 3/4"	17mm Tri-clamp 3/4"	12mm Cam and Groove 3/4"	17mm Cam and Groove 3/4"
STA-PURE	960.0120.PFD	960.0170.PFD	960.0120.PFT	960.0170.PFT		
Bioprene TM	903.M120.PFD	903.M170.PFD	903.M120.PFT	903.M170.PFT		
Bioprene TL	903.0120.PFD	903.0170.PFD	903.0120.PFT	903.0170.PFT		
Plat.Silicone	913.0120.PFD	913.0170.PFD	913.0120.PFT	913.0170.PFT		
Marprene TM					902.M120.PPC	902.M170.PPC
Marprene TL					902.0120.PPC	902.0170.PPC
Per. Silicone					910.0120.PPC	910.0170.PPC
Neoprene					920.0120.PPC	920.0170.PPC

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.



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