



Improving your PERFORMANCE

621IX/RE4 variable speed close coupled pump

Technical information and features

- Dual pumpheads for balanced twin-channel flows
- Flow rates from 0.25 litre/min to 13.1 litre/min per channel, pressures up to 2 bar (30psi), or 4 bar (60psi) with STA-PURE or TM Marprene/Bioprene
- Rugged IP55 AC motor for industrial environments
- 10:1 and 5:1 electronic speed control from stand alone Siemens compact vector inverters
- Electronic speed control enables remote start/stop, analogue and RS485 speed control, fast braking and protection against overheating
- All pumpheads have tool unlocking with safety interlock option
- 620RE4 four-roller low pulsation pumphead with CIP/SIP rotor
- Rapid snap-fit tube loading, 620RE4 pumphead accepts both 12mm and 17mm industrial and sanitary LoadSure™ elements
- Two years comprehensive warranty



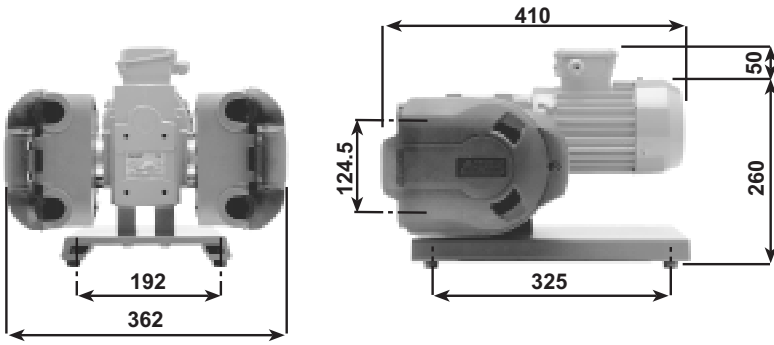
621IX/RE4 (litre/min)

LoadSure™ element material	Speed range (rpm)	LoadSure™ 12mm	LoadSure™ 17mm
Marprene TM, Bioprene TM	8-76 / 52-259	0.25-2.39 / 1.64-8.16	0.33-3.13 / 2.14-10.7
Marprene TL, Bioprene TL	8-76 / 52-259	0.25-2.39 / 1.64-8.16	0.38-3.58 / 2.45-12.2
Silicone	8-76 / 52-259	0.26-2.50 / 1.71-8.52	0.34-3.24 / 2.22-11.0
Neoprene, STA-PURE	8-76 / 52-259	0.27-2.57 / 1.76-8.75	0.40-3.84 / 2.63-13.1

Note: 621IX 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

BiopreneTL /Marprene TL	6000
STA-PURE	6000
Neoprene	430
Silicone	230
Butyl	100
Tygon	90
Fluorel	70



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Product codes		
621IX/RE4 8-76rpm 52-259rpm	Drive + four roller pumphead for LoadSure™ elements	060.6522.E40 060.6552.E40
620RE4	Four roller pumphead for LoadSure™ elements	063.0431.000
620RE	Two roller pumphead for LoadSure™ elements	063.0231.000
620R	Two roller pumphead for continuous tubing	063.0211.000

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

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® STA-PURE is a registered trademark of W.L Gore & Associates Inc.

Please state the product code when ordering pumps and tubing

Specification

Weight	621IX/RE4: 23kg (not including inverter)
Operational temperature range	5°C to 40°C
Noise	Max <75dBA at 1m
Standards	CE, BS0800, IEC335-1, EN60529 (IP55)
Supply	230V 1ph 50/60Hz

Materials of construction

Drive:	
Motor	Aluminium
Gearbox	Cast iron

620RE4, 620RE, 620R 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 Hytel G5544
Main rollers	Stainless steel 304
Main roller bearings	Carbon steel
Guide rollers	Nylatron
Tube clamp sets	Polypropylene



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