

# OEM

## 620RCC close-coupled high flow pumps



The 620R Close Coupled pump features the 620RE pumphead that accepts tube elements for flow up to 18 liters/minute (4.8 GPM). The unique LoadSure tube element design makes tube changes fast and error free and process pressures up to 60 PSI.

The 620R pumphead has retractable rollers, to make tube loading easier and allows for SIP or CIP to be run with the tubing installed in the pump. The pumphead can be configured for LoadSure elements or continuous tubing, 2 rollers for higher flow, or 4 rollers for lower pulsation.

The standard pump comes with an AC induction motor and gearbox, that bolts directly to the pumphead saving space. It can also be provided with an air motor, gear reducer only, and explosion proof models. Please contact one of our sales engineers who can help you select the right pump for your application.

### Ordering information

The 601CC allows you to build a pump with the components you need to customize to your needs. Please contact our factory for a quote on a specific unit. Some of the more standard options are listed below.

#### Pumphead Options

# of Rollers	<i>2 higher flow, 4 lower pulsation</i>
LoadSure tube elements	<i>4.0 mm WT, camlock or tri-clamp fittings, pressure to 60 psi (Table D on page 48)</i>
Continuous tubing	<i>3.2mm WT, free ends, pressure to 30 psi (Table E on page 48)</i>

#### Drive Options

Simplex	<i>Single Drive pumphead</i>
Duplex	<i>Single drive with right angle gearbox for driving two heads simultaneously</i>
Fixed/variable speed	<i>Add a VFD for variable speed over a 10:1 range</i>
Gear motor finish	<i>standard orange, or FDA white finish</i>
Gear reducer only	<i>Supply your own 56C motor to complete the unit</i>
Explosion Proof	<i>Consult Watson-Marlow Bredel for specific Div. and Class ratings</i>
Voltages	<i>Available 230/460VAC 3-ph or 120/240VAC 1-ph</i>
Pneumatic	<i>Requires 100 psi filtered and lubricated air source</i>

### Flow rates liters/min (GPM)

Bore mm Bore "	Marprene, or Marprene TL LoadSure <sup>®</sup> tube elements					
	6.4mm 1/16"	9.6mm 3/8"	12.7mm 1/2"	15.9mm 5/8"	12.0mm LoadSure	17.0mm LoadSure
Simplex 77rpm	<i>1.0 (.26)</i>	<i>1.93 (0.51)</i>	<i>3.08 (0.81)</i>	<i>4.21 (1.11)</i>	<i>2.85 (0.75)</i>	<i>5.18 (1.37)</i>
Simplex 225rpm	<i>2.93 (0.77)</i>	<i>5.63 (1.49)</i>	<i>9.00 (2.38)</i>	<i>10.8 (2.85)</i>	<i>8.33 (2.20)</i>	<i>15.1 (3.99)</i>
Duplex 65rpm	<i>1.70 (.44)</i>	<i>3.26 (0.86)</i>	<i>5.20 (1.38)</i>	<i>7.10 (1.88)</i>	<i>4.82 (1.28)</i>	<i>8.74 (2.30)</i>
Duplex 225rpm	<i>6.42 (1.70)</i>	<i>12.36 (3.26)</i>	<i>19.76 (5.22)</i>	<i>22.60 (5.98)</i>	<i>18.28 (4.82)</i>	<i>33.20 (8.78)</i>

\* Flows rates vary depending on tube material. Contact Watson-Marlow Bredel for a complete flow table by tube material.

### Materials of construction

Track	<i>Aluminum LM24M Powder Coated</i>
Guard	<i>Polyurethane PBA/Grilamid TR55</i>
Rotor	<i>Body: Forton 114OLA (PPS) Rollers: 304SS</i>
Gearbox	<i>Cast Iron epoxy powder coated (FDA white available)</i>
Tube Clamps	<i>Polypropylene</i>
Tube Fittings	<i>Tri Clamp Style: PVDF Cam and Groove Style: Polypropylene</i>

