NEW! Model 530 Industrial process pumps
Robust, accurate, intuitive

Tel: 866-777-6060  Fax: 866-777-6383
Website: www.springerpumps.com  e-Commerce: http://shop.springerpumps.com
Accurate, reliable and flexible “drop-in” metering pumps

- No metal to metal contact and no contamination of the pump or the fluid
- Self-priming and dry-running
- One-minute maintenance

Why Watson-Marlow makes the right pump for you

Watson-Marlow Fluid Technology Group is unique in being able to work with you at every process step to ensure your fluid transfer requirements are achieved. Whether performing flocculent addition or chemical metering, we have a solution which can cut pump downtime and reduce chemical costs.

In continuous use in water treatment and manufacturing industries globally, extremely low maintenance requirements and complete containment of the pumped fluid, ensures there is no risk to operators or the environment.

- Flexible and scalable fluid handling with low cost of ownership
- Superior flow stability up to 3.5 litres per minute, providing accurate and repeatable process control
- Extensive product portfolio enables adaptation to meet varying process needs

Confident controllability

Watson-Marlow pumps integrate seamlessly into your process control system. Pumps are self-contained and easily configurable, so there is no need for separate variable frequency drives or complex control devices.

Reliability

We know that pump failure during production cannot be tolerated due to the intrinsic value of the product. That is why we design our drives to be maintenance-free. We utilise spring-loaded rollers and tracks to provide long and repeatable tube life too.
Pump and tubing have equal importance
It is important to recognise that the pump and tubing combination are selected to match your specific application criteria.

Watson-Marlow is the only company that manufactures both the cased pumps and peristaltic tubing, which is a real advantage for customers that want to be certain that their peristaltic pump will work right first time and every time.
### Product weight

<table>
<thead>
<tr>
<th>Model</th>
<th>530 Drive only</th>
<th>+ 520R, 520R2</th>
<th>+ 520REL, 520REM, 520REH</th>
</tr>
</thead>
<tbody>
<tr>
<td>P31</td>
<td>9.70kg</td>
<td>10.63kg</td>
<td>10.52kg</td>
</tr>
<tr>
<td>P66</td>
<td>10.58kg</td>
<td>11.48kg</td>
<td>11.40kg</td>
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</table>

### Tubing features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Marprene</th>
<th>Neoprene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous tubing</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>ISO 10993</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Low gas permeability</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Wide chemical resistance</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>High pressure capability 2-7bar</td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Up to 10,000 hours pumping life</td>
<td>+</td>
<td></td>
</tr>
</tbody>
</table>

### Technical

**520 pumpheads: flow ranges, 0.1-220rpm, ml/min**

<table>
<thead>
<tr>
<th>Tube bore (mm, #)</th>
<th>0.5</th>
<th>0.8</th>
<th>1.6</th>
<th>3.2</th>
<th>4.8</th>
<th>6.4</th>
<th>8.0</th>
<th>9.6</th>
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<tbody>
<tr>
<td></td>
<td>112</td>
<td>13</td>
<td>14</td>
<td>16</td>
<td>25</td>
<td>17</td>
<td>18</td>
<td>193</td>
</tr>
</tbody>
</table>

#### LoadSure® pumpheads

LoadSure® pumpheads guarantee correct tube loading

Watson-Marlow LoadSure technology offers snap-fit one minute maintenance. LoadSure elements offer greater reliability, easy installation and increased productivity.

#### Dimensions

- **520REH**
  - 7bar Pressures
  - Flow rates up to 450 ml/min
  - LoadSure® elements are available in Marprene TH

- **520REM**
  - 4bar Pressures
  - Flow rates up to 1500 ml/min
  - LoadSure® elements are available in Marprene TM

- **520REL**
  - 2bar Pressures
  - Flow rates up to 3500 ml/min
  - LoadSure® elements are available in Marprene TL

#### LoadSure® pumpheads features

- Continuous tubing
- ISO 10993
- Low gas permeability
- Wide chemical resistance
- High pressure capability 2-7bar
- Up to 10,000 hours pumping life

#### LoadSure® pumpheads benefits

- Reduced maintenance time
- Increased productivity
- Improved reliability

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**Technical specifications**

- **Marprene®** Industrial grade thermoplastic elastomer tubing
  - Wide chemical compatibility and long life
  - Low gas permeability
  - Highly resistant to oxidising agents

- **Neoprene**
  - Excellent performance with abrasive slurries
  - Good suction and pressure capabilities

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**Contact Information**

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Watson-Marlow Fluid Technology Group has nine world-class factories supported by direct sales operations in 29 countries and distributors in more than 50 countries. For contact details visit our website: Watson-Marlow online

Our engineers around the world can help you choose the perfect pump and tubing for your needs.

More information? Our brochures are on our website: www.wmftg.com

Global support

For many companies, global coverage will be a key consideration in their choice of equipment. Customers should assess the supplier’s ability to supply certified spares, components, service and support on a truly global basis. Watson-Marlow Fluid Technology Group has direct sales operations in 29 countries and a worldwide network of distributors. These factors combine to give customers confidence that their pumps and systems can be supported, maintained and optimised on a global basis.