Features and Benefits

Compact design
A single rotor, universal drive coupling enables this pump range to be small in size, whilst the robust construction ensures reliable service.

Pumping principle
The key to this pumping principle is the moving part, known as the rotor and the fixed part, the stator, inside which the rotor rotates. A progressive cavity is formed which progresses pumped liquid towards the discharge end of the pump as the rotor rotates.

Reliable performance
The Mono M range can satisfy a range of demanding duties, including viscous liquids and random solids. It features an abrasion and chemical resistant stator, a precision-engineered stainless steel rotor, a mechanically sealed drive shaft and a close-grained cast iron pump housing.

Smooth, silent running
The pump’s smooth action and resilient rubber stator ensure quiet running - a very desirable feature for domestic installations.

Positive pumping action
The progressing cavity principle, as explained above, ensures steady output pressure and non pulsing flow. This is vital in some applications such as pumping heating oil to burner nozzles.

Self-priming
The M Range pumps are fully self priming and can achieve suction lifts up to 26ft (8m). This allows for accessible mounting, well clear of liquid levels.

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One Company, Unlimited Solutions

Authorised Distributor

M Range Mini Pumps
For light industrial applications
### Performance Data

<table>
<thead>
<tr>
<th>Pump</th>
<th>r.p.m.</th>
<th>0 bar 0lb/in² l/h</th>
<th>gal/h</th>
<th>1.4 bar 20lb/in² l/h</th>
<th>gal/h</th>
<th>2.4 bar 35lb/in² l/h</th>
<th>gal/h</th>
<th>2.75 bar 40lb/in² l/h</th>
<th>gal/h</th>
<th>3.45 bar 50lb/in² l/h</th>
<th>gal/h</th>
<th>Weight kg</th>
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</thead>
<tbody>
<tr>
<td>MS</td>
<td>1450</td>
<td>750</td>
<td>165</td>
<td>500</td>
<td>110</td>
<td>409</td>
<td>90</td>
<td>386</td>
<td>85</td>
<td>318</td>
<td>68</td>
<td>15</td>
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<tr>
<td>MM</td>
<td>1450</td>
<td>1590</td>
<td>350</td>
<td>1250</td>
<td>275</td>
<td>1050</td>
<td>231</td>
<td>1000</td>
<td>220</td>
<td>900</td>
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<tr>
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<td>2470</td>
<td>543</td>
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<td>1890</td>
<td>416</td>
<td>1590</td>
<td>350</td>
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### Drive Motor Details

<table>
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<tr>
<th>Pump</th>
<th>Type</th>
<th>Voltage</th>
<th>Frequency</th>
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<tbody>
<tr>
<td>MS</td>
<td>0.18kW Single/Three Phase</td>
<td>110/230/380/415V 50 Hz</td>
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<tr>
<td>MM</td>
<td>0.37kW Single/Three Phase</td>
<td>110/230/415V 50 Hz</td>
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<tr>
<td>ML</td>
<td>0.55kW Three Phase</td>
<td>415V 50 Hz</td>
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<tr>
<td>ML</td>
<td>0.75kW Single Phase</td>
<td>230V 50 Hz</td>
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*All motors supplied with IP55 enclosure as standard, with others available*

### Suction Lifts

<table>
<thead>
<tr>
<th>Pump</th>
<th>m</th>
<th>ft</th>
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<tbody>
<tr>
<td>MS</td>
<td>8</td>
<td>26</td>
</tr>
<tr>
<td>MM</td>
<td>7.5</td>
<td>25</td>
</tr>
<tr>
<td>ML</td>
<td>5.5</td>
<td>17.5</td>
</tr>
</tbody>
</table>

### Typical Applications

- Cellar drainage
- Septic tank/cess pit emptying
- Water supply/sampling from wells, streams and rivers
- Garden sprinkler systems/irrigation
- Diesel
- Water based inks
- Vegetable oils
- Non-aggressive chemicals
- Oil/Water pressure sets