Mono™
Dosing Pump
"Designed for low flow, metering or dosing applications - offering continuous and accurate repeatability."

**Features & Benefits**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity</strong></td>
<td>5 - 1250 l/h / 0.02 - 5.50 USGPM</td>
</tr>
<tr>
<td><strong>Pressure</strong></td>
<td>up to 72 bar / 1044 psi</td>
</tr>
<tr>
<td><strong>Temperature</strong></td>
<td>up to 120°C / 248°F (stainless steel models)</td>
</tr>
</tbody>
</table>

**Typical applications include:**
- Acids, alkalis
- Sludge dewatering
- Food ingredients
- Brewing, winemaking
- Chemical processing
- Process mining
- Dyes, inks
- Flocculants
- Cosmetics
- Oil well dosing

**Materials of construction**
All pump components, except the body, coupling rod and suction chamber are supplied in stainless steel. The suction chamber is manufactured in high density polyethylene.

The end cover and mechanical seal housing is in PVDF. For severe chemical environments, internal pump components are supplied in Hastelloy.

**Resilient Stator**
Flexible in operation and high resistance to wear. Available in a variety of materials, allowing a wide range of products to be pumped.
**Robust drives**
Specially selected drives and gearboxes for longer life. Options include fixed or variable speed drives with mechanical variable speed or frequency inverter.

**Interchangeable components**
A number of Dosing pump parts are interchangeable with the small Compact C Range, reducing inventory holding.

**Sealed joints**
Fully sealed drive train to maximise life and minimise downtime.

**Flow meter**
Available as an option for flow or temperature monitoring, up to 72 bar.

**Gentle pumping action**
Minimises shear and crush damage to the pumped product. No pulsation or emulsification.

**Coupling Rod Design**
New Mono design offers higher pressure capabilities, up to 72 bar.

**Handles gas entrainment**
No air or gas locking in the pump. The positive seal formed by the interference fit between rotor and stator enables the pump to self prime and it also allows tri-phase liquids i.e. solids, gases and liquids to be handled easily.
# Product Dimensions

## Drive Varies

<table>
<thead>
<tr>
<th>Drive Variation</th>
<th>Pump Model</th>
<th>Power</th>
<th>Ref</th>
<th>A</th>
<th>B</th>
<th>C</th>
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</thead>
<tbody>
<tr>
<td>Geared Motor</td>
<td>LXB</td>
<td>0.37</td>
<td>DA</td>
<td>803</td>
<td>31.6</td>
<td>323</td>
</tr>
<tr>
<td></td>
<td>LVH</td>
<td>0.55</td>
<td>DA</td>
<td>940</td>
<td>37.0</td>
<td>340</td>
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<tr>
<td></td>
<td>LTM</td>
<td>0.37</td>
<td>DB</td>
<td>863</td>
<td>33.9</td>
<td>323</td>
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<tr>
<td></td>
<td>LVH</td>
<td>0.55</td>
<td>DB</td>
<td>940</td>
<td>37.0</td>
<td>340</td>
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<td></td>
<td>LTM</td>
<td>0.37</td>
<td>DY</td>
<td>932</td>
<td>36.7</td>
<td>332</td>
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<td></td>
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<td>DY</td>
<td>957</td>
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<td>DZ</td>
<td>998</td>
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<td>398</td>
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<tr>
<td></td>
<td>LTM</td>
<td>1.1</td>
<td>DZ</td>
<td>998</td>
<td>39.3</td>
<td>398</td>
</tr>
<tr>
<td>Variable Speed</td>
<td>LXB</td>
<td>0.37</td>
<td>EA/EC</td>
<td>937</td>
<td>36.8</td>
<td>457</td>
</tr>
<tr>
<td></td>
<td>LWD</td>
<td>0.55</td>
<td>EB/ED</td>
<td>937</td>
<td>36.9</td>
<td>457</td>
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<tr>
<td></td>
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</table>

All dimensions are a guidance only.

For full certified drawings or assistance in selecting a pump, please contact Mono.
For guidance in selecting a pump, please contact Mono.
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