The best choice for precise metering applications
**RJ SERIES OF METERING PUMPS**

Roto RJ Series pumps are for low flow applications demanding high accuracy and repeatability. They can handle a wide variety of fluids ranging from clean and clear liquids to abrasive, corrosive, viscous and solid laden media. The pumps can maintain flow with repeatable accuracy of +/- 1%. The RJ Series is available in 6 capacities (0.68 – 500 l/h) and 3 differential pressure ranges (6,12 & 24 Bar).

**ADVANTAGES**

- Capacity is directly proportional to speed
- Inherently self-priming
- No internal valves - no clogging
- Low NPSH required
- Linear flow with low shear
- Reversible
- Suction lift capability up to 9.5 meter water column
- Easily changeable pumping elements for different capacities
- Simple to operate
- Highly efficient

**APPLICATIONS**

Roto RJ series pumps are designed to handle a wide variety of fluids for number of applications in industries such as:

- Wastewater Treatment
- Pharmaceutical
- Cosmetic
- Pulp & Paper
- Petrochemical
- Mining
- Chemical Processing
- Petroleum Refining
- Food
MATERIAL OF CONSTRUCTION

Standard RJ Range pumps are manufactured with 316 stainless steel wetted components and a single mechanical seal. The stator elastomers include; Natural, Nitrile, EPDM, Chloro-sulphonated rubber, HNBR, Viton, and Aflas®. Pumps can be manufactured in various exotic alloys including Hastealloy, Duplex, and Alloy 20 to fit the application.

**Pump Housing**
Designed for 90° interval rotation for ease in connecting. Drain plugs are provided and can be used for mounting gauges.

**Pump Lanterns**
Can accommodate various drives including IEC, NEMA C motor and gear motors.

### Dimensions

<table>
<thead>
<tr>
<th>Pump Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>RJ - 014</td>
<td>120</td>
<td>306</td>
<td>210</td>
</tr>
<tr>
<td>RJ - 034</td>
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<td>306</td>
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<td>RJ - 072</td>
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<td>306</td>
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<tr>
<td>RJ - 074</td>
<td>130</td>
<td>384</td>
<td>288</td>
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<td>RJ - 142</td>
<td>120</td>
<td>340</td>
<td>244</td>
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<tr>
<td>RJ - 144</td>
<td>200</td>
<td>448</td>
<td>352</td>
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<tr>
<td>RJ - 302</td>
<td>120</td>
<td>358</td>
<td>262</td>
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<tr>
<td>RJ - 304</td>
<td>240</td>
<td>488</td>
<td>392</td>
</tr>
<tr>
<td>RJ - 80L</td>
<td>120</td>
<td>358</td>
<td>262</td>
</tr>
</tbody>
</table>

Available in 1” NPT port connection at Suction & ½” NPT connection at Discharge in all pump sizes.

* All dimensions are in mm
* All dimensions & specifications are subject to change without prior notice

### Selection Table

<table>
<thead>
<tr>
<th>Pump Size</th>
<th>Pressure Bar</th>
<th>Flow Rate LPH</th>
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<tbody>
<tr>
<td></td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>RJ - 01</td>
<td>7.50</td>
<td>7.20</td>
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<tr>
<td>RJ - 03</td>
<td>18.90</td>
<td>18.20</td>
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<tr>
<td>RJ - 07</td>
<td>45.90</td>
<td>44.10</td>
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<tr>
<td>RJ - 14</td>
<td>91.40</td>
<td>87.90</td>
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<tr>
<td>RJ - 30</td>
<td>180.00</td>
<td>173.00</td>
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<tr>
<td>RJ - 80L</td>
<td>500.00</td>
<td>460.00</td>
</tr>
</tbody>
</table>

Capacities of pump sizes calculated at 500 RPM
Roto Pumps Limited, Manufacturing Plant, India

Melbourne Office & Warehouse

Manchester Office & Warehouse

Roto Pumps North America, Inc

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