Roto Pumps in Sugar Industry

Roto Pumps has a vantage of over 40 years in providing fluid handling solution to a spectrum of Industries. These pumps can handle wide variety of fluids ranging from clean and clear liquids to abrasive, corrosive, viscous and solid laden media. In sugar industry these pumps are used to handle liquid at various stages including dosing chemicals, Syrup, Magma, Muscovite and various grades of Molasses. Some of the few design features include:

- Flow proportionate to Speed - Can be used for dosing and metering applications
- Self Priming - Excellent suction lift capability and can operate under vacuum
- Non-Clogging - Can handle solids in suspension
- Low Internal Velocity - Can handle shear sensitive media
- Positive Displacement - Flow Independent of head
- Will not Vapor Lock – Can handle air, liquid and combination together

RJ series pump for precise metering applications

**Capacity:** 3 kW-600 L/hr
**Pressure:** 16-30 bar

**RJ series of dosing pumps**
Roto RJ series pumps are developed for low flow applications that demand high accuracies and reproducibility. These pumps can handle wide variety of fluids ranging from clean and clear liquids to abrasive, corrosive, viscous and solid laden media.

**Advantages**
- High dosing accuracies - fluctuation ±1%.
- Smooth and non-pulsating flow - no need of pulsation dampers.
- Low shear and linear flow - can handle shear sensitive media.
- Single rotating element - no valves or gears required.

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**Flow diagram of a typical sugar mill**

**Key Application Areas**

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<tr>
<th>Roto Pumps</th>
<th>Lime</th>
<th>Sugar</th>
<th>Felicit</th>
<th>Phosphoric Acid</th>
<th>Fulher’s Earth</th>
<th>Syrup</th>
<th>Magma</th>
<th>Moscovite</th>
<th>Molasses</th>
<th>Budge</th>
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