We understand your challenges in Waste Water Treatment plants

> Robust and compact design
> Proven two pin cardan joint
> Lower maintenance cost
Roto Pumps in Waste Water Industry

Roto Pumps has a vintage of over 45 years in providing fluid handling solutions to 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 Waste Water Industry these pumps are used in all major stages including primary and secondary clarification process, sludge thickening process, digestion process, de-watering and sludge incineration. Some of the 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 sheer 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

RJ series of dosing pumps

Roto RJ series pumps are developed for low flow applications that demand high accuracies and repeatability. 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 dampners.
- Low sheer and linear flow - can handle sheer sensitive media.
- Single rotating element - no valves or gears required.
Flow diagram of a typical Waste

F L U I D S H A N D L E D

- Primary Sludge
- Secondary Sludge
- Secondary Activated Sludge
- Secondary Excess Sludge
- Thickened Sludge
- Digested Sludge
- Flotation Sludge
- Returned Sludge
- Stabilized Sludge
- Bio Sludge
- Settled sludge
- Undigested Sludge

Roto @ work in Waste Water Industry
Water Treatment plant

**Dosing**
- Milk of Lime
- Concentrated Flocculent
- Polymer Solution
- Metallic Salts
- Polyelectrolyte
- Polyaluminium Chloride Solution
- Polycrylamide Flocculent
- Alum Flocculent

**Dewatering**
- Dewatered Sludge
- Sludge Cake
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