

We work hard. You can relax.

Hardworking Macerators from ROTO.

Cost effective way to protect pumps

Macerate the solid and fibrous components in pumped products. Increases operational safety, extends service life of downstream equipment and reduces operating costs

Important tool used for the processing and treatment of solid wastes

Comprising of wood, textile, plastics, paper, rubber, bones and skin etc. With a capacity to reduce solid wastes into finer particles of grain size upto 3.5 mm and fibrous size upto 1.5 cm²

Help in saving the cost of pipe fittings

Avoid clogging of pipes, fittings and pumps and allow use of smaller diameter against the predetermined flow

Protects pumps from rags, fibres and solid particles

Uses proven concept which is based on a perforated shear plate and a rotating headstock to macerate the media



PMI



PMI-R

Available in both options - Bare Macerator and With Motor



PMT



PMT-R

PMI, PMI-R - Suction and Delivery flanges are inline.

PMT, PMT-R - Suction and Delivery flanges are at 90°.

ADVANTAGES TO END USERS

- Lower running costs
- Optimal cutting performance
- Less power requirement
- Fewer spare parts
- Reduced downtime for routine servicing process
- Protection of the pump
- Creation of a pre-conditioned medium
- Replacement for in-flow grinders
- Elimination of manual handling and associated transport costs

TYPICAL APPLICATIONS

- Municipal and industrial effluent treatment
- Food products and waste
- Slaughterhouse waste
- Mud contaminated drill cuttings

PERFORMANCE SUMMARY

| SERIES | PMT | PMI | PMT-R | PMI-R |
|--|-------------|-------------|-------------|-------------|
| No. of models | 9 | 4 | 9 | 4 |
| Inlet dia. Range (mm) | 125 - 200 | 125 - 150 | 125 - 200 | 125 - 150 |
| Outlet dia. Range (mm) | 40 - 80 | 125 - 150 | 40 - 80 | 125 - 150 |
| Cutting Ring dia. (mm) | 120 - 300 | 200 - 300 | 120 - 300 | 200 - 300 |
| Max. throughput at 3% dry substance (m ³ /hr) | 1 - 80 | 10 - 80 | 1 - 80 | 10 - 80 |
| Speed (rpm) | 1000 - 1500 | 1000 - 1500 | 1000 - 1500 | 1000 - 1500 |
| kW Range | 0.55 - 11.0 | 4.0 - 11.0 | 0.55 - 11.0 | 4.0 - 11.0 |
| Head (m) | 3 | | | |
| Permissible Internal Pressure (bar) | 10 | | | |
| Permissible Negative Pressure (bar) | 0.5 | | | |
| Permissible Medium Temperature (°C) | 80 | | | |
| Weight Range (kg) | 65 - 260 | 190 - 340 | 65 - 260 | 160 - 280 |

INDUSTRIES SUCCESSFULLY USING MACERATORS

Commercial and Residential

- Shopping Centres
- Restaurants
- Supermarkets
- Canteens



Chemical and Pharma Industry

- Paper and Cellulose
- Chemical
- Petrochemical
- Pharmaceutical

Food Processing

- Food Industry
- Fish Processing
- Animal Feed
- Fruit and Vegetable



Animal Waste

- Tanneries
- Slaughter Houses
- Meat Factories

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