Waste Water Treatment
Bucket Elevators EI

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Description ▼
The EI-version of Bucket Elevators has been specifically developed for vertical elevation of fine aggregates, minerals and dry sludges. This range has designed to operate at low speed and is manufactured from extra-thick hot-galvanised carbon steel. The machines consist of a head and a foot section which include solidly mounted roller bearing units as supports for the bucket carrier belt, a variable number of intermediate trunkings and special trunkings for bucket assembly and inspection. The particular design of the buckets manufactured from wear-resistant Nylon PA6 offers high durability against highly abrasive materials handled.

Function ▼
EI-type Bucket Elevators are used for vertical elevation of fine aggregates, minerals and dry sludges.

Application ▼
For all those applications that require vertical elevation of dry matter:
- Dry sludge after thermal treatment
- Composting material
- Biomass
- Dry chemical products
- Solid waste

Benefits ▼
✓ Solid and robust design;
✓ Easy installation thanks to modular components;
✓ Totally enclosed equipment, dust tight construction;
✓ Low maintenance and compact arrangement;
✓ Outlet shape designed for highest discharge efficiency;
✓ Complementary to other equipment (see chain conveyors).
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Technical Features / Performance

- Throughput rates up to 1,400 m³/h
- Discharge heights up to 45m
- Inspection doors on foot, charge and discharge section
- Wide range of accessories:
  - ATEX II3D T4 certification
  - Certified anti-explosion pressure relief panels
  - Self-cleaning foot
  - Electrical control systems
  - Vent outlet for de-dusting system
  - Anti-wear plates on foot and head section on request
  - Maintenance platform
  - 304 / 316 SS versions

Overall Dimensions