

VARIOUS TYPES OF WASTE HANDLING SYSTEMS

CHARACTERISTICS:

- Galvanized metal construction
- The storage tanks come in various sizes and set ups according to the specific needs of the clients
- The waste, can be either:
 - stored in a storage tank awaiting treatment or
 - go through waste treatment process with heat that produces dehydrated powder
- Robust equipment
- Fully washable
- Waste disposal system with waste treatment system

CAPACITY:

- Average waste volume per day: 2.5m³/day
- Temperature for waste treatment: 70 to 90°C
- Different vertical or horizontal tanks with capacities ranging from 5, 10 or 20m³.





WASTE COLLECTION, TRANSFER AND TREATMENT

Waste is a continual concern in the modern food processing plant. All industrial units produce waste. The collection, transfer and treatment are essential elements in an up-to-date and efficient plant. Sanitary aspects are increasingly complex and demanding . They can mean costly expenditure for the production manager. Regulations and laws govern waste handling and treatment differently according to the country concerned.

ECAT has realized many installations to handle waste automatically or in part. The collection and transfer of waste outside the plant is essential in order to avoid contamination, smell and flies within the production area.

The waste to be handled can be as diversified as chicken carcasses, plastic bags or vegetable puree. Each product differs in texture, viscosity and needs to be handled, transferred and stored differently or separately.

WASTE COLLECTION

- Alternative collecting systems exist : normal emptying of waste into a collection hopper, automated infeed systems (conveyor, piping...)
- The hoppers can be placed in strategic positions in the plant for manual tipping of boxes.

WASTE TRANSFER

Two different basic systems are available :

- By screw/auger system complete with easy to sanitize casing for certain products
- By vacuum system, through stainless steel piping .

The length of either system varies, however the vacuum system is much more flexible and enables the transfer of waste through piping of up to 100 meters.

WASTE STORAGE

The waste, according to the type, can be stored either in :

- Open bins / skips outside of the plant or
- In vacuum sealed tanks ranging from 1000 litres to 20 m3.

The storage tanks come in various sizes and set ups according to the specific needs of each clients :

- Tractor type framework to be hitched up to tractor
- Vertical static galvanised steel tank set on framework.

Each installation differs according to the site and plant needs.

Many possibilities exist and for all types of processing industries.



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