

DISKOMAT

advanced dishwashing

ECO WASTE AWAY - Maxi

food waste collection system



Combi



Vrac

Specification

► Function

Food waste is emptied into the inlet of the bench or at the inlets by the sorting table. The waste is then grinded and transported by vacuum suction through PEH pipes, steel mantled hose or stainless steel pipe to a storage tank. The tank is emptied 1-4 times per month (depending on size of tank) for transportation to a biogas or composting facility. Vacuum pump and tank is placed in a closed room.

► Dimension

Inlet bench bulk and combi:
W= 1050 mm, D= 740 mm, H= 850±50 mm.
Tank: 2-12 m³.
Pipe dimension between bench.
and tank: Ø75 mm.

► Capacity

50 litres per cycle, 1500 litres per hour.
Cycle time is about 2 minutes.

► Cleaning

With water at the end of the shift/day.

► Design/Features

Eco Waste Away is a complete and closed system, built in modules, for collecting food waste.

Instead of food waste being an environmental problem it becomes a source of energy that can be used for biogas or compost. The food waste is also handled without hygienic or working environment problems. No smelly unhygienic containers, heavy handling, transport or storage of food waste containers / bags.

The grinder is designed to handle all types of normal food waste, such as bones, fish skin and long-fibered products.

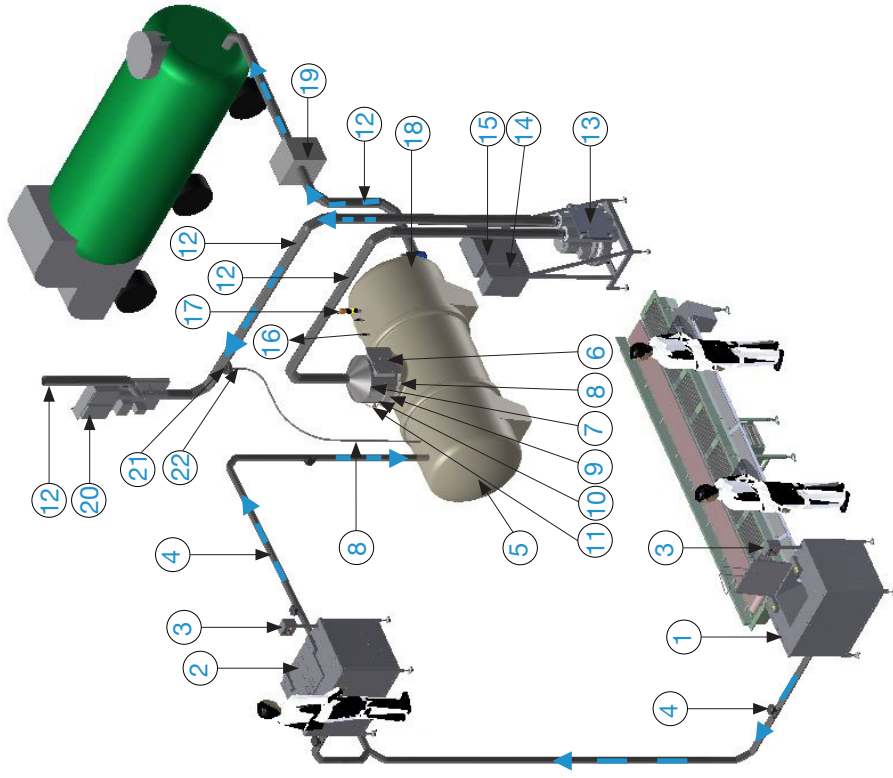
If a metal object, such as cutlery, would get into the grinder chamber there is first a magnetic trap and then an automatic safety system that will try to reset the operation. The grinder design makes it easy to remove any metal object.

► Options

Magnetic trap for magnetic cutlery and other magnetic objects.

Flow diagram

- 1 Waste chute combi (plate and bulk) 4,5 kW, 400V, 25A
- 2 Inlet bench bulk 4,5 kW, 400V, 25A
- 3 Control panel
- 4 PEH plastic pipe or hose Ø75 mm
- 5 Tank
- 6 Vakuuudom
- 7 Cyclone Filter
- 8 Water pipe Pex-pipes 15 mm
- 9 Magnetic valve, Water, ½"
- 10 Return valve ½"
- 11 Shut-off valve, water
- 12 PEH plastic pipe or hose Ø110mm
- 13 Vacuum pump 7,5 kW, 400V, 25A or 11kW, 400V, 32A
- 14 Frequency Converter
- 15 Electrical Cabinet
- 16 Conductive level sensor
- 17 Level sensor
- 18 Drain valve DN100
- 19 Terminal for vacuum truck.
- 20 Ventilator Air Cleaner, plastic pipe or hose Ø110mm, (NOTE: optional)
- 21 Cleaning door or exhaust manifold
- 22 Magnetic valve, condensation water, ½".
Connected to tank or drain with free fall



Combi



Combi



Bulk