Immediately and efficiently removing the heaviest part of kitchen waste – food leftovers – is a necessity in any commercial kitchen. When using the patent pending GTS-Series processor, food waste can hygienically and without any heavy lifting or manual transfer easily take care of and reduce the total amount of refuse – by volume, but above all by weight!

Food waste is fed into the inlet hopper of the machine and ground into small particles for further transport in a pipe using a unique processor pump to a sealed and odorless tank, and when full, emptied by a vacuum truck. The unique benefit of this processor technology is that the pumping of the ground food waste can be done with minimal amount of flushing water, which gives a good operating economy as the tank does not need to be emptied as often. The slurry is transported to an anaerobic digestion facility and converted into valuable renewable energy resource (i.e. biogas), and often the digested residue can also be used as fertilizer on farmland. Biogas is one of our society’s most environmentally clean and desired energy forms, as fuel for cars as well as for the production of heat and electricity.

To suit existing interior and logistics within the kitchen, the processor outlet may be positioned either to the left or to the right of the infeed opening, thus giving full flexibility in planning your kitchen and possibility to fully utilize valuable space. Disperator’s broad assortment of different technical solutions for source separation of food waste can be adapted to your specific kitchen and your specific working environment, regardless of size or layout, and regardless of the specific food waste handling rules in your environment!

Flushing water outlet, 2 pcs. with air gap to inlet hopper. Connected to solenoid valve for intermittent water flushing.

Solenoid valve, IP65.

Line strainer.

Grinder, IP55, see table.

Processor pump IP55 for transport of grinded waste to tank, see table.

Sockets for pallet lift / pallet truck.

Safety interlock switch, IP67, connected to protective cover in inlet hopper.

Start button

Stop button

Digital running time gauge.

Yellow button (spring loaded) = extra flushing water for dry food waste and also for emptying the piping from waste before longer operating breaks in the kitchen.

Yellow lamp lights up = order emptying of tank.

Red lamp lights up = tank is full, the machine cannot be started.

Control unit (incl. resettable motor protectors for the grinder and the pump). Placed inside the cabinet door.

Setting and monitoring of the pump’s operating temperature.

Sealing plug to be used when cleaning the hopper. Fixed in place with the knob over the keyhole in hopper.

Pump outlet with connection flange DN65 (outer Ø 187mm, 4x mounting holes Ø 18mm on hole circle Ø 145mm). Pressure class PN16. Counter flange and tubing is not included in standard delivery.

All dimensions in mm

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500A-GTS-E65/Prod/Eng/170919
Cabinet rear panel (removable during service)

Adjustable bracket, 2 pcs. for fixing the machine against a long wall, or alternatively using 1 pc. against a long wall and 1 pc. against a corner wall.

Towards the feed opening, a sloping unloading area for waste, including magnetic cutlery trap.

Protective cover in the feeding hopper to the disposer, linked to safety interlock switch. Removed during daily cleaning. The machine will then not start.

Noise absorbing hood above feed opening. (Can be opened for batch emptying of receptacles with e.g., soup, sauce, etc.)

Spring-loaded lock bolt for hood in opened position.

Cable gland for the signal cable from the level sensors in the tank.

Cable gland and 2m cable for connection via safety switch to fuse cabinet (but without connection to residual current circuit breaker).

User manual and jam release wrench are placed on the inside of the left door.

Connection R½" (BSPT), external thread for cold flushing water.

Splash guard (to be installed on site)

In height adjustable legs with rubber coated feet Ø 50mm, alternatively feet Ø 50mm for welding or bolting in marine floorboard.

All dimensions in mm
Installation material needed but not incl. in standard delivery are:

- main electrical safety switch for incoming electricity,
- reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
- backflow preventer for flushing water pipe when flushing nozzle in hopper is used.

Can be ordered from DISPERATOR.

User manual with installation and service instructions, laminated operating instructions and laminated safety instructions are included in delivery.

Options:

- DN65 drain valve,
- equipment for monitoring of tank level,
- waste holding tanks for indoor installation,
- waste holding tanks for installation below ground level outdoors,
- drain pipe with pressure class PN16 in plastic or stainless steel between the processor and the tank

Technical specification

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Position of the inlet opening for waste</th>
<th>Position of the pump outlet</th>
<th>Provide the following code when ordering</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>to the left</td>
<td>to the left and to the machine's rear panel</td>
<td>VVB</td>
</tr>
<tr>
<td>2</td>
<td>to the left</td>
<td>to the left and to the front of the machine</td>
<td>VVF</td>
</tr>
<tr>
<td>3</td>
<td>to the left</td>
<td>to the right and to the machine's rear panel</td>
<td>VHB</td>
</tr>
<tr>
<td>4</td>
<td>to the left</td>
<td>to the right and to the front of the machine</td>
<td>VHF</td>
</tr>
<tr>
<td>5</td>
<td>to the right</td>
<td>to the left and to the machine's rear panel</td>
<td>HVB</td>
</tr>
<tr>
<td>6</td>
<td>to the right</td>
<td>to the left and to the front of the machine</td>
<td>HVF</td>
</tr>
<tr>
<td>7</td>
<td>to the right</td>
<td>to the right and to the machine rear panel</td>
<td>HHB</td>
</tr>
<tr>
<td>8</td>
<td>to the right</td>
<td>to the right and to the front of the machine</td>
<td>HHF</td>
</tr>
</tbody>
</table>

(1) Installation material needed but not incl. in standard delivery are:
- main electrical safety switch for incoming electricity,
- reinforced flexible hose with minimum inner-Ø 9mm for cold flush water,
- backflow preventer for flushing water pipe when flushing nozzle in hopper is used.

Can be ordered from DISPERATOR.

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- DN65 drain valve,
- equipment for monitoring of tank level,
- waste holding tanks for indoor installation,
- waste holding tanks for installation below ground level outdoors,
- drain pipe with pressure class PN16 in plastic or stainless steel between the processor and the tank

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