



Cleantech Solutions.
Anywhere.

BVAC FOOD WASTE COLLECTION

with vacuum technology



Avoids cross-contamination and simplifies staff streams in kitchens

In commercial and industrial kitchen areas, storing food waste in open garbage bins is unhygienic and can result in cross contamination. Food waste starts to rot quickly, generating strong odours and even toxic corrosive gases. With the Bvac Food Waste System, waste is processed and transported in an enclosed vacuum piping network to a dedicated holding tank that can be located away from food-preparation areas. With vacuum drainage you benefit from a high degree of flexibility in terms of piping routing and layout. The macerated waste can then be treated at a biogas plant and used for energy production.

Benefits

- Fully automatic operation
- Highly efficient and reliable vacuum generation
- Full/half flush to minimise water consumption
- Hygienic solution confines odours and contaminants
- Reduces risk of accidents related to waste handling, such as back injuries and slips
- Saves space by eliminating the need for temporary waste storage in kitchens

Complete system includes:

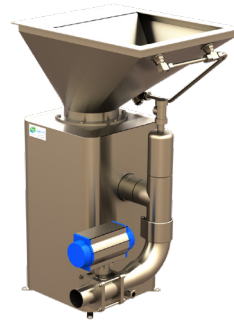
- Feeding stations (normal &/or heavy-duty)
- Vacuum generation and discharge pumps skid
- Holding tank



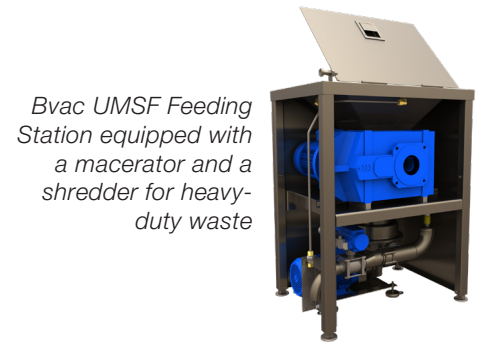
BVAC FOOD WASTE COLLECTION



Bvac Food Waste Collecting Unit with VU175 vacuum generation and discharge unit and a 6 m³ holding tank.



Bvac LMU Feeding Station equipped with a macerator



Bvac UMSF Feeding Station equipped with a macerator and a shredder for heavy-duty waste

The Bvac Food Waste System uses vacuum conveying technology, greatly reducing the risk of blockages in the piping. A high efficiency rotary claw pump is used to create the vacuum pressure in the piping network and discharge pumps manage the transfer to the holding tank, slurry recirculation and discharge outside of the building. The system uses small-diameter (DN50–DN75) piping to transport waste from the feeding stations to the vacuum collection unit without the need for a constant slope.

Feeding stations are located in kitchen areas where food waste is generated. The number of stations depends on the size and layout of the kitchen. Food shredder units are also available for heavy-duty waste such as bones and fibrous materials. The stations are safe, easy to use, clean, and maintain.

Features

Dimensions (L x W x H mm)	
Bvac LMU	560 x 585 x 870 (adjustable up to 935)
Bvac UMSF	800 x 600 x 1040 (adjustable up to 1060) (add 550 when hatch open)
Bvac VU175 and holding tank 6 m ³	3483 x 2010 x 2880 (total)

Capacity	
Vacuum capacity (m ³ /h, @50 kPa, 50 Hz)	130
Holding tank effective capacity (m ³)	6.26

Other vacuum generation capacities and tank volumes available.



Vacuum collection



Waste-water treatment



Ballast water management



Fresh water generation



Marine growth prevention



Dry and wet waste treatment*



Corrosion protection

Evac Group is the world's leading provider of integrated water and waste management systems, as well as corrosion-protection systems, for the marine, offshore, and building industries. Our cutting-edge solutions and services have been helping leading global players in these industries to significantly reduce their environmental footprint for 40 years. With offices in 14 countries across four continents and representatives in more than 70 countries, we pride ourselves on being close to our customers wherever in the world they are located.

*Sold under Bvac(TM) brand for the building industry

Representative:

European Vacuum

Drainage Systems

evds.org.uk