Bvac Food Waste System
with Vacuum Collection Technology

In commercial and industrial kitchen areas, storing food waste in open garbage bins is unhygienic and can result in contamination. Food waste starts to rot quickly, generating strong odors and even toxic corrosive gases. It should not be stored in gray wastewater tanks or fed into a conventional wastewater treatment system. 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.

The Bvac Food Waste System uses vacuum conveying technology. A double-action pump is used to create the vacuum and discharge the holding tank, greatly reducing the risk of blockages in the piping. The system uses small-diameter (DN50–DN75) piping to transport waste from the feeding stations to the vacuum collection unit.
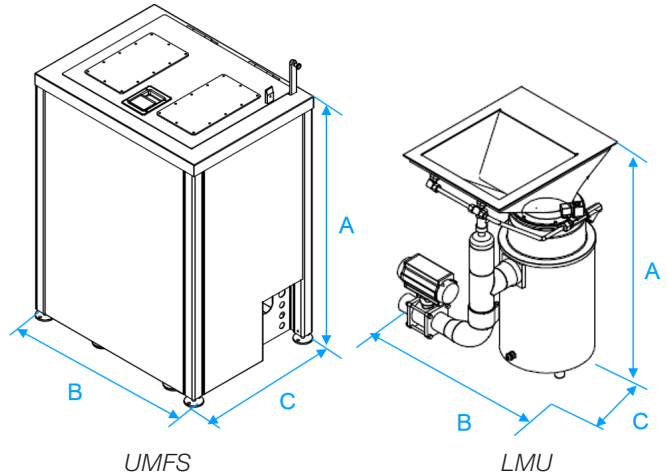
Benefits

- Fully automatic operation
- Highly efficient and reliable vacuum generation
- Full/half flush to minimize water consumption
- Electronic reporting system stores up to two years of waste data
- Hygienic solution confines odors and contaminants
- Avoids cross-contamination and simplifies staff streams in kitchens
- 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

Over 150 successful installations since 2006.

Bvac Food Waste System

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 easy to use, clean, and maintain.
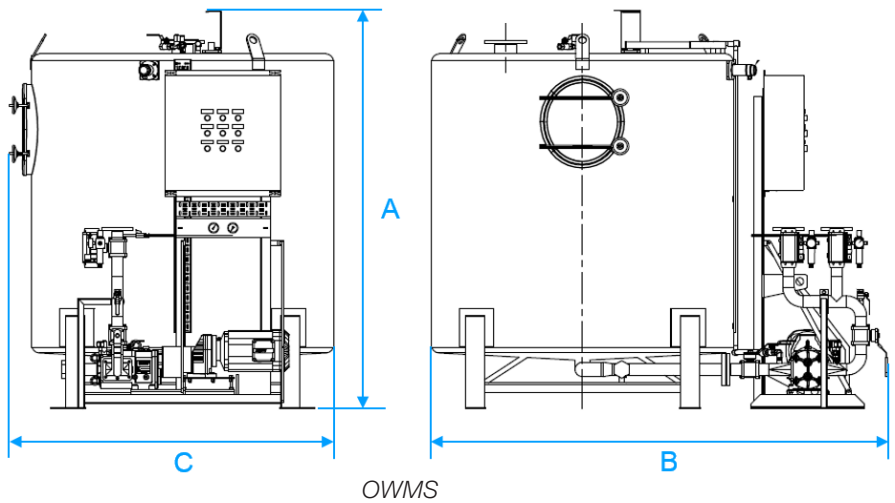
	Dimensions [mm]					
	A		**B**		**C**	
Model	[mm]	[in]	[mm]	[in]	[mm]	[in]
OWMS-1-15	2084	82	1890	74	1305	51
OWMS-1-25	2084	82	2337	92	1688	66
OWMS-1-40	2605	103	2442	96	1788	70
OWMS-1-60	2605	103	2842	112	2180	86
LMU	870*	31.3*	560	22	585	23.0
UMFS	1040**	41.1*	800	31.5	600	23.6

*Adjustable up to 935 mm - 36.8 in

**Adjustable up to 1060 mm - 41.1 in, when hatch open add 550 mm - 21.6 in

	Weight		Holding tank total volume	
Model	[kg]	[lbs.]	[m3]	[gal]
OWMS-1-15	545	1202	1,76	465
OWMS-1-25	648	1429	3,02	797
OWMS-1-40	755	1664	4,51	1191
OWMS-1-60	914	2015	6,93	1830
LMU	80	176	0,024	6.3
UMFS	420	926	0,036	9.8

UMFS

LMU

OWMS

The Bvac food and waste management offering also includes food waste dewatering, refrigerated compactor and storage units for food-contaminated waste, dry waste shredders and compactors, as well as briquetting units.
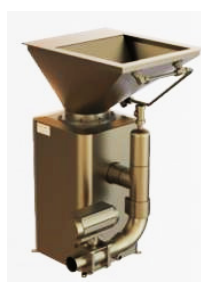

Refrigerated compactor UKP-6060

Refrigerated bale storage URB-3

Food shredder UMSF

Local macerator LMU

Collecting unit OWMS

Dewatering unit UD-100

Bvac

Cleantech Solutions. Anywhere.

Vacuum collection*

Wastewater treatment

Dry and wet waste treatment*

Fresh water systems

Systems automation

Representative