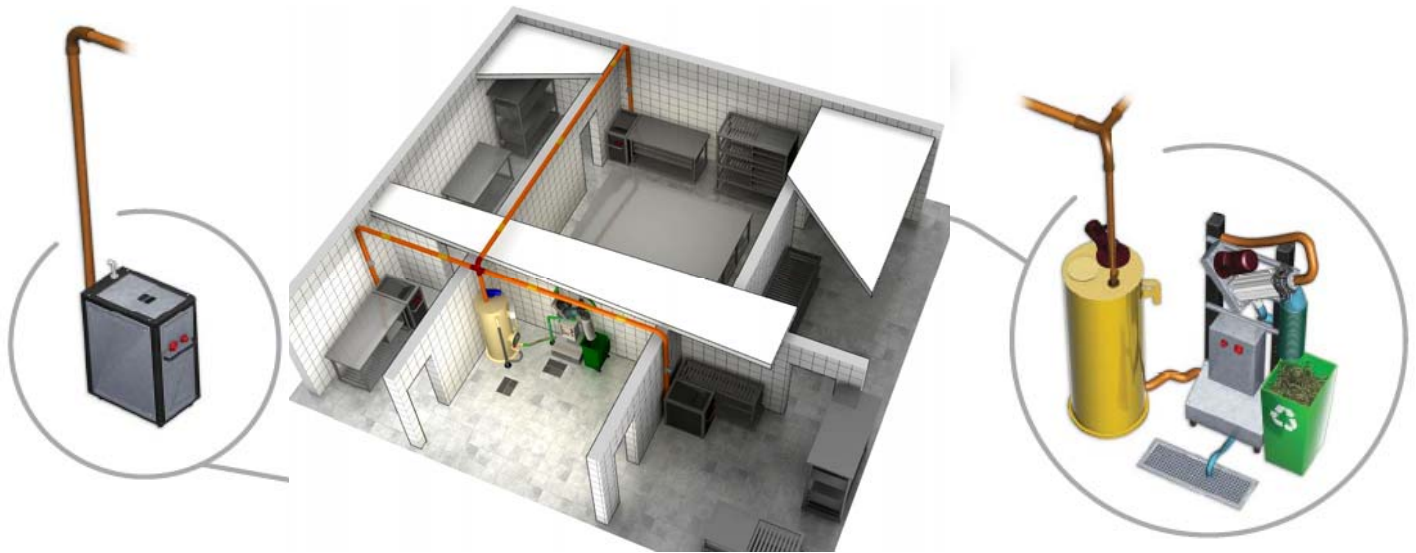


MODULAR AND REMOTE DE-WATERING SYSTEM

An integrated food waste management solution for foodservice equipment industry



KEY BENEFITS of the system

HYGIENE

- Odour elimination. The dewatered food waste has a very low fermentation rate because most of the water content has been drained
- No food waste stored at kitchen level – reducing risk of cross contamination
- Eliminates transportation of food waste around the premises – reduces labour cost

INSTALLATION

- 50 mm. diameter plastic piping allows for simple installation to new building or existing premises
- A bespoke solution because the system is flexible and modular

OPERATIONAL

- Separation of food waste from other waste, reduces disposal costs
- Eliminates food waste transportation issues – reduces labour costs
- Automatic self cleaning cycle require no human intervention at dewater level
- Simple efficient design reducing maintenance and service costs
- High power food waste stations (2,2 kW) ensure a long term heavy duty solution
- Compact food waste storage room required as the food waste is reduced in volume by up to 80%

SOCIAL

- Provides an environmental friendly solution to food waste disposal
- Meets the current legislation;
- The dewatered food waste can be used as a high quality feedstock for Anaerobic Digestion systems or for Composting.

HOW IT WORKS

- 1) FOOD WASTE IS FED INTO A HOPPER AT FOOD WASTE FREE STANDING STATIONS
- 2) FOOD WASTE IS GROUND AND AUTOMATICALLY PUMPED AND TRANSPORTED BY WATER THROUGH 50 mm. PLASTIC PIPES TO A TEMPORARY STORAGE TANK - OUTSIDE THE KITCHEN
- 3) FOOD WASTE IS THEN DE-WATERED BY A CENTRIFUGE UNIT AND HYGIENICALLY STORED IN A 120/240 litre BIN UNIT, AWAITING COLLECTION FOR ENVIRONMENTAL FRIENDLY DISPOSAL



KEY TECHNICAL FEATURES

Disposer: 2,2 kW with Impeller Geared Motor Pump 0,75 kW – grinder capacity up to 150kgs per hour / 250÷400 meals per hour
PP Storage Tank: with Mixer 0,22 kW and pressure level sensors – capacity 300 and 600 litre
DEHYDRA: Dewatering Selfclean Unit 1,1 kW – capacity 30 litres of wastewater per minute

INSTALLATION TECHNICAL REQUIREMENTS

Water supply connections: cold and hot water Ø ¾ or ½”
Electrical power supply: 3 phase 400V – 50Hz - Socket: 3P+Earth – 16 Amp (4 wires)
Dedicated drainage line: Ø 50 mm. pipe required
Drain connection: Ø 50 mm. pipe required
Machine warranty: 1 year

The Modular and Remote De-Watering System is in compliance with CE rules and each part of the system is complying with the following pertinent rules and technical specification:

EC Machine Directive 2006/43/CE

EMC Directive 2004/108/CE – Electromagnetic compatibility directive

Main technical standards applied: **UNI EN ISO 12100-1 - UNI EN ISO 13857 - UNI EN 954-1 - CEI EN 60204-1**