

# **imc**

fresh thinking

## **Technical Information Food Waste Dewaterers**



August 2005  
(UK Version)

## Overview

IMC Dewaterers have been developed to help you dramatically reduce waste volumes by up to 80% by removing water from food waste.

The WastePro and SYS2000 allow you to process over 900 covers per sitting of food waste, quickly, safely and simply, with the separated liquid being disposed of via mains drainage and the remaining solid waste being discharged to normal collecting bins.

The flexibility and range of options available with our food waste dewaterers provide a cost effective system for almost all commercial and institutional kitchens, regardless of size.

IMC advise the installation of a Reel Kleen with your dewaterer unit to make cleaning even quicker.

## Electrical Connection

All electrical work must be carried out by a qualified electrician in accordance with the IEE Codes of Practice.

## Product Conformity

IMC food waste dewaterers conform to the Machine Safety Directive 89/392/EEC as amended by 91/368/EEC and 93/44/EEC and are manufactured under quality system BSEN ISO 9001:2000. They also conform to the protection requirements of the Electro Magnetic Compatibility Directive 89/336/EEC and are manufactured in accordance with harmonised standards EN 50-014-1 Generic Emission and EN 50-014-2 Generic Immunity (plus product specific standards). They also satisfy the essential requirements of the Low Voltage Directive 73/23/EEC amended by 93/68/EEC.

All IMC food waste dewaterers are WRAS approved and manufactured in accordance with standards BSEN 60335-1 and BSEN 60335-2-16.

## Marine Applications

Marine voltages are available.

IMC food waste disposers which feed the dewaterers meet the requirements of regulation 3(1)(c), 4(2) and 5(2)(c) of Annex V of MARPOL 73/78.

## Warranty

IMC food waste dewaterers come with one year parts warranty. (subject to usage and regular maintenance as laid down in the operation and installation manual).

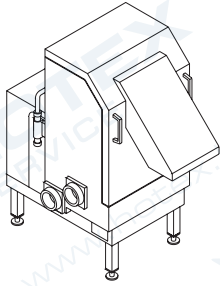
## Spare Parts

Spare parts are available for all major serviceable items. Please contact:

IMC service telephone:	+44 (0)1978 667743
IMC spares telephone:	+44 (0)1978 667764
Fax:	+44 (0)1978 729990
E-mail:	parts@imco.co.uk

### IMC WastePro Site Survey Guide

- The WastePro is small enough to be located under a work surface, but the height of the work surface must be checked as surface heights vary from site to site.
- Adjustable feet are fitted to each leg to accommodate minor changes in the floor level.
- When installing the WastePro make allowance for the removal of the chute cover. Allow for a minimum of 50mm (2") from the top of the unit to the underside of the work surface.
- Allow sufficient space for the positioning of a bin underneath the discharge chute.
- The unit should be sited no more than 1 metre (3ft 3") from the food waste disposer.
- The unit should be sited as close to the drain point as possible. A 1 in 7 positive fall in the drain pipe is required of not more than 2 meters (6ft) in length.
- The WastePro must have a separate waste pipe not shared with any other appliance or sink unit. The waste pipe diameter must not be reduced. U-bends and bottle traps must not be used.
- A separate power supply must be allocated for the unit during the installation.



<b>WastePro</b>	
<b>General</b>	
Mounting	Under bench or free standing.
Capacity	Up to 1450 covers per sitting.
	700kg of waste per hour.
	(dependent on food waste disposer)
Dimensions (h x w x d)	784mm x 380mm x 722mm
<b>Electrical information</b>	
Motor	0.37kW (0.5HP)
Voltages*	230-1-50
	400-3-50
Fuse rating	16A - 1 phase or 6A - 3 phase
Operator controls	Fully automatic - wired to food waste disposer controls.
<b>Installation information</b>	
Water connection	15mm hot or cold water supply. Minimum flow rate of 12 liters per minute at 0.2 to 10 bar is required.
Water consumption	1.7 litres per minute at minimum flow rate.
Waste inlet connection	Gravity fed. Units to be on same level not more than 1 meter apart. Waste inlet may be left or right sided. 2" BSP internal thread for connection to 54mm piping, laid to a minimum fall of 1 in 7 with no U-bends or bottle traps, and no more than 2 swept bends.
Waste water outlet connection	Gravity fed. Waste water outlet may be left or right sided. 2" BSP internal thread for connection to 54mm piping. Laid to a minimum fall of 1 in 7 with no U bends or bottle traps.
Electrical connection	2.5m mains cable wired from fused isolator switch into WastePro controller, plus 2.5m cable wired from disposer controls into Wastepro controller.
<b>Other features</b>	
Water Controls	Automatic water control.
Operator Safety	Discharge chute safety interlock.
	Safety interlock with waste disposal unit.
Special features	WRAS approved for use with potable water.
	Stainless steel construction.
	Quick and easy to dismantle for dishwasher cleaning.
	Waste inlet and waste water outlet can be left or right handed.
	Adjustable height.
<b>Product code details</b>	
F55/720	1 phase WastePro waste dewaterer
F55/721	3 phase WastePro waste dewaterer
<b>Shipping specification</b>	
Packing dimensions (h x w x d)	950mm x 510mm x 830mm
Packing volume	0.402m <sup>3</sup>
Packing weight (gross/net)	57kg/46kg

\*Alternative voltages are available on request

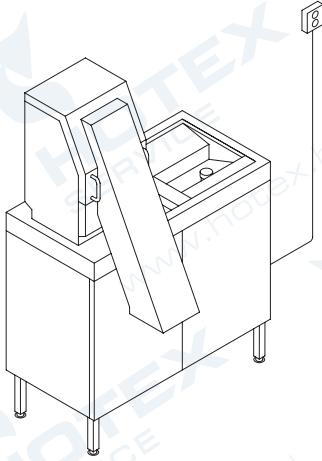
Please note:

All diagram dimensions are in mm.

Capacities are approximate and may vary depending on the mix of waste types.

Suitable for connection to food waste disposers up to 2.2kW (3HP)

Not suitable for connection to 04X series food waste disposers



<b>SYS2000</b>	
<b>General</b>	
Mounting	Free standing
Capacity	Up to 900 covers per sitting 450kg of waste per hour
Dimensions (h x w x d)	With chute: 1600mm x 1500mm x 700mm With flange for trough: 1600mm x 1545mm x 700mm
<b>Electrical information</b>	
Motor	Disposer motor 4.0kW (5.5HP) Dewaterer motor 1.1kW (1.5HP)
Voltages	400-3-50 440-3-60
Fuse rating	16A - 3 phase
Operator controls	IP65 rated waterproof wall mounted control box.
<b>Installation information</b>	
Water connection	15mm cold supply 0.2 to 10 bar for disposer unit. 15mm hot or cold supply 0.2 to 10 bar for dewaterer unit.
Water consumption	20 litres per minute to disposal unit. 12 litres per minute to dewaterer.
Waste water outlet connection	1.5" BSP female for connection to 40mm piping.
Electrical connection	2.5m mains cable wired from fused isolator switch into Waste-Pro controller.
<b>Other features</b>	
Water Controls	Automatic water control. Automatic system fill. Automatic recirculation. Manual water drain.
Operator Safety	Metal baffle and time delayed interlock system on disposer hopper. Discharge chute safety interlock.
Special features	Automatic recirculation process conserves water. WRAS approved for use with potable water. Magnetic cutlery saver. Automatically reversible disposer motor for extended life. Automatic thermal overload to protect motor. Trickle water feed to disposer. Quick and easy to dismantle for dishwasher cleaning.
<b>Customer options</b>	
	Front, back or side chute positions. Provision to connect to scrapping trough. IP65 rated integral contols. Sanitising kit for continual disinfection of unit.
<b>Product code details</b>	
F55/620	3 phase SYS2000 with chute. (please specify position when ordering)
F55/621	3 phase SYS2000 with flange for connection to troughing. (Please discuss interface with IMC prior to ordering)
**	Front, back or side chute positions.
**	Provision to connect to scrapping trough.
**	IP65 rated integral contols.
**	Sanitising kit for continual disinfection of unit.
<b>Shipping specification</b>	
Packing dimensions (h x w x d)	1630mm x 800mm x 1800mm
Packing volume	2.347m3
Packing weight (gross/net)	277kg/195kg

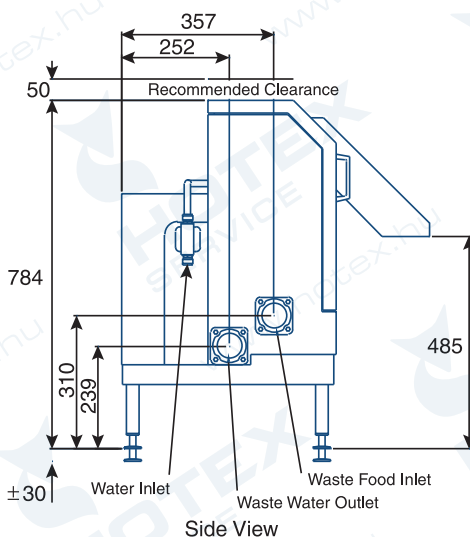
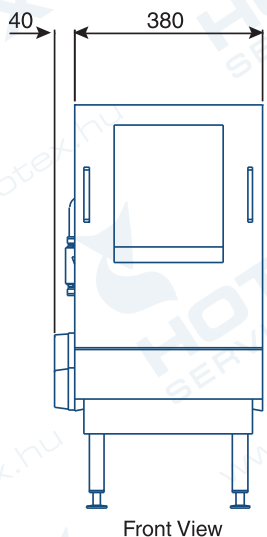
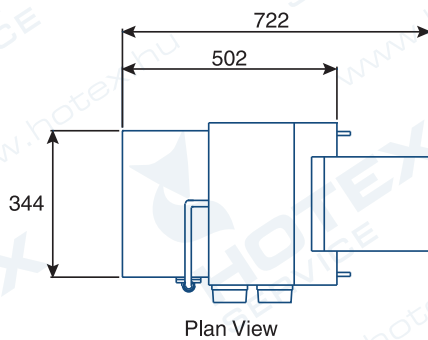
\*\*This option must be ordered with machine.

Please note:

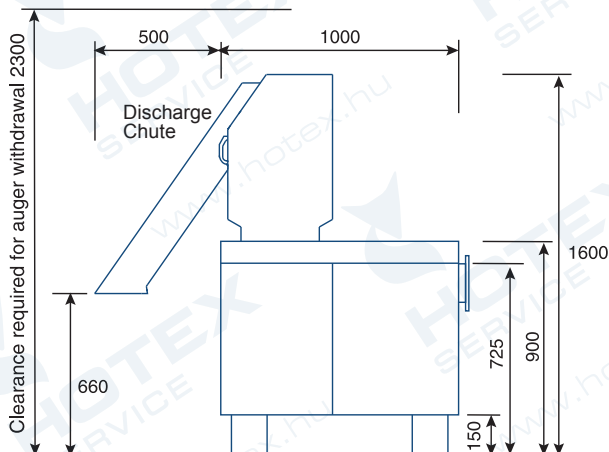
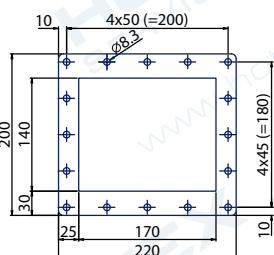
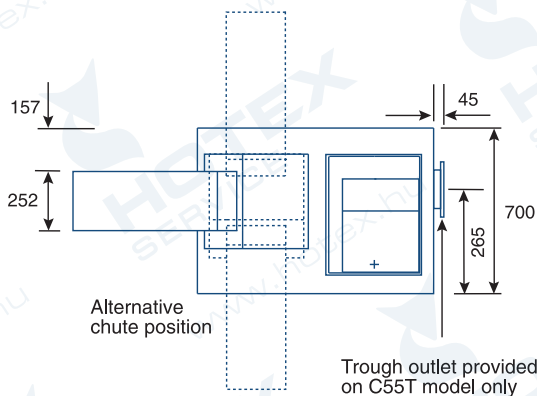
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Capacities are approximate and may vary depending on the mix of waste types.

### WastePro



### SYS2000







# **imc**

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Specifications are subject to change without notice.

4CM/DEWTI/0805UK