

CONVERTER



MACTRAP

MACTRAP GREASE CONVERTER 170L AND 250L INSTALLATION AND START UP INSTRUCTIONS

The MACTRAP Grease Converter is suitable for internal use and removes fats, oil and grease (FOG) from waste water by automatically adding enzymes to bioremediate the waste.

Your Dosing Pump and 5L of Bio-Zyme enzyme are included with your product and are contained within the unit.



SETUP

1. The Grease Converter should be installed with the correct inlet and outlet fall to meet NZ plumbing requirements. There should be at least 200mm free space above the Grease Converter to allow for lid removal and cleaning.
2. The Auto Dose pump installation instructions are located in the pump packaging box. The Auto dose pump supplied with the Grease Converter should be installed in an easily accessible location ensuring the pump line is free and installed with no sharp turns or twists.
3. Permanent solids filters of less than 2mm screen size should be installed at each sink. Solids will significantly reduce the ability to convert the fats and oils, which may overload the unit.
4. Place the enzyme container in safe non-spillable position and place the Auto Dose inlet pump hose into the container to within 10mm of the bottom. Insert the enzyme feed line into the inlet nipple on the inlet side of the Grease Converter.
5. The Auto Dose pump is pre-set for dosing. The pre-set is a guide only. It is the operator's responsibility to check the correct breakdown rate of the FOG to ensure adequate dosage is applied to meet local authority resource consent requirements.

DO NOT

1. Do not connect dishwashers or glass cleaners to the Grease Converter as the water temperature will be in excess of the average operating limit of 50°C and damage the action of the enzyme.
2. Do not use cleaning chemicals that may affect the performance of the pump and enzyme. Cleaning fluids, degreasers and acids, will kill the enzyme /bacteria.
3. Do not dump solids or fryer fat directly into the Grease Converter.



PROGRAMMING THE AUTO DOSE PUMP

The Auto dose pump should be set for:

1. Time of day - should be set to the current date and time (the exact time is not important).
2. Dispense units - should be set to 120ml for a 170L converter and 200ml for a 250l converter.
3. Dispense days - should be set to DAILY.
4. Dispense times - should be set for one EVENT. A suitable dispense time for the event would be 1am, however one dispense event per day is all that is required.

Note: To check settings push ENTER to activate the unit and use ENTER to scroll through settings.

To make adjustments:

Push ENTER and follow instructions.

1. Press PROGRAM then hold for 2 seconds and the display will show PROGRAM.
2. Press ENTER twice and the display will show user PIN.
3. Press ENTER again and 0000 will appear. Use the left or right cursor to change to 1000 then press ENTER four times. The 1000 will be replaced with ****.
4. Press ENTER and the display will show VALID - you can now enter the programmable mode. The indicator light will be flashing.
5. Press ENTER to scroll through programme settings and make adjustments as per the instruction manual.

To remove a dispense event:

There should only be one disoence event programmed. If additional dispense events have been added then they can be removed with the following instructions.

After scrolling to an EVENT (for example EVENT 2), press PROGRAM and then ENTER. This cancels any dispense event scheduled against that EVENT. This cancellation will not immediately show. To check, go back through the programme sequence and when EVENT 2 appears, and ENTER is pressed to display the event time the display will show NONE.

Operator/users responsibility:

The above doses are a guide only. There is a wide range of operational variances and types of kitchen and it is the operator's sole responsibility to check their systems and dose rates to meet any minimum Local Authority requirements.

SPECIFICATIONS

STAINLESS STEEL MODELS					
Model	Treating Capacity ¹	Connections	Inlet Height	Outlet Height	Seating Capacity ²
MTGC170	390 l/hr	50mm	240mm	230mm	0-60
MTGC250	610 l/hr	50mm	420mm	410mm	0-120

¹ Treatment capacity is subject to operational variations.

² Seating capacity is based on approximately 75% of the NZBC - G13 code of 5L per person per hour, and should be used as a guide only.

Remember to order ongoing enzyme in advance to prevent failure of the chemical breakdown process. Contact info@mactrap.co.nz, 0800 MACTRAP, or your local Bio Zyme agent.

