

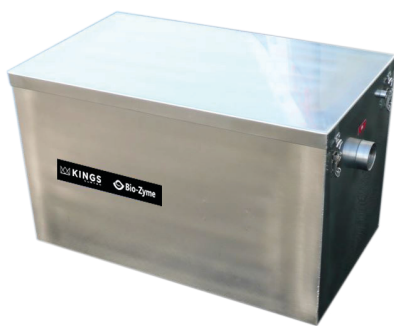


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CUSTOM



Bio-Zyme

The **Grease Conversion Solution** for Commercial & Industrial kitchens All NZ Made Products



New Zealand Councils Approved



**Environmentally Preferable Product
used through converter**




Easy Installation into new or existing kitchens



Easy aftercare maintenance

Kings Custom
5 Gordon Road, Morningside
Auckland, New Zealand

 Call Bio-Zyme 0800 246 9963



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Grease Converter

Manufactured by Kings Custom Ltd

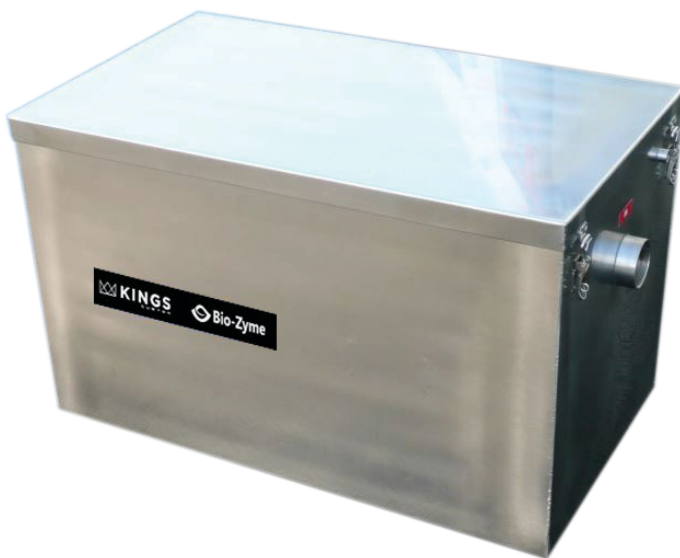


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Grease Converter



Size available for treating:

- 160Ltr per hour;
- 250Ltr per hour;
- 350Ltr per hour;
- 500Ltr per hour.



Suitable for Internal Use



Floor mounted - non fixed



Made in NZ for NZ conditions



304 grade stainless steel




Removable lid for servicing and cleaning



Latches to keep lid in place

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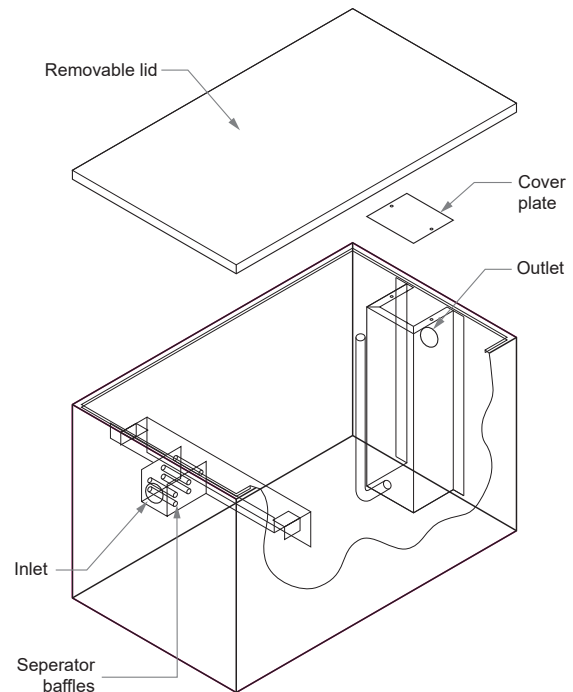
SPECIFICATIONS

-  Overall dimensions - 768mmL x 458mmD x 460mmH
-  Outer casing - 304 grade stainless steel
-  Internal components - 304 grade stainless steel
-  Inlet - 50mm BSP
-  Outlet - 50mm BSP
-  Auto Dispenser inlet - 1/2" BSP (plug if not used)
-  Servicing of converter - once per year (pump out clean)
-  Floor mounted - non fixed
-  Approximate converter process time - 5 hours

Converter Cross Section

SPECIFICATIONS

- Overall Dimensions:
 - KG160 - 650mmL x 450mmD x 400mmH
 - KG250 - 768mmL x 458mmD x 460mmH
 - KG350 - 1000mmL x 458mmD x 460mmH
 - KG500 - 1225mmL x 455mmD x 527mmH
- Outer casing - 304 grade stainless steel
- Internal components - 304 grade stainless steel
- Inlet - 50mm BSP
- Outlet - 50mm BSP
- Auto dispenser inlet - 1/2" BSP (plug if not used)
- Servicing of converter - once per year (pump out & clean)
- Floor mounted - non fixed
- Approximate converter process time - 5 hours



CONVERTER CROSS SECTION

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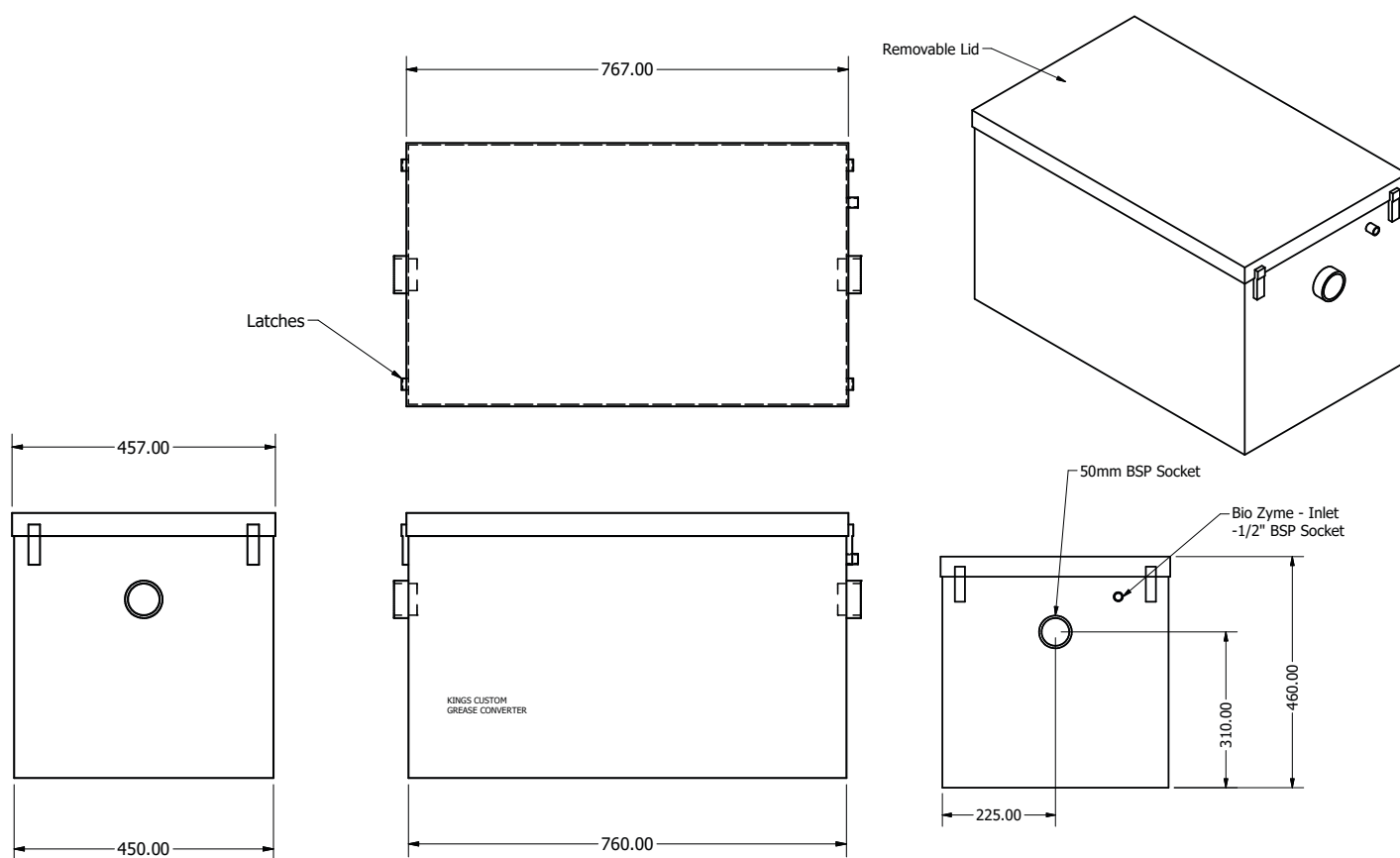


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DRAWING OF KINGS CUSTOM GREASE CONVERTER KG250




Kings Custom Grease Converter

-  304 grade stainless steel - 1.5mm construction
-  Fully welded unit
-  50mm BSP Inlet & Outlet

Inlet & Outlet height to centre

-  KG160 - 250mm
-  KG250 - 310mm
-  KG350 - 310mm
-  KG500 - 375mm

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Installation

HINT: Use new pipe work and fittings for converter installation, eliminating any old problem pipe work and sludge build up etc.

NOTE: Dishwasher **not** to be connected **before** inlet of converter

- Place converter in suitable position under sink location – preferably no more than 6 mtrs away from sink. Make sure there is at least 280mm clearance for lid opening.
- Make sure sink strainer (not supplied can be purchase separately) is fitted to sink waste outlet. converter is for liquid only (not food scraps)
- Use PVC pipe from sink strainer trap to inlet of converter. Optional T-fitting to vent outside can be added to pipe line near point of entry of converter (assisting the process within converter)
- Connect PVC pipe to outlet of converter and include a PVC inspection fitting near point of outlet from converter – piping then continues into normal plumbing field practice

AUTOMATIC PUMP (not supplied purchase separately)

- Ensure 3 point power pug is near converter
- Above converter on wall drill bracket to wall and slide pump onto bracket
- Place bottle of Bio-Zyme Industrial directly beside converter with hose in bottle connected to auto pump
- Hose outlet from auto pump is plumbed into 10mm dispenser inlet of converter
- Set date and time and prime auto pump
- If not using auto pump plug ½" BSP inlet hole on converter
- Place sticker (supplied in pack) above sink on wall



NOTE:

- Make sure all fittings on the converter are water tight
- Now you are ready to commence start up procedure



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Start Up Procedure

BEFORE USING CONVERTER

-  Run water from sink tap into converter for 10 minutes
-  Turn water off and shock dose with 1 litre Bio-Zyme Industrial and 2 litres water, manually pour down sink drain
-  Make sure auto pump is plugged into 3 point power supply
-  Ensure date and time is set on auto pump
-  Use black button at bottom of pump to prime product through the line
-  You are now ready to go

On Day 14 unlatch lid to observe contents (a thick liquid should be present with minimal odour) if not, shock dose with Bio-Zyme and/or alternatively check for internal blockages.

Checklist for proper on going performance of your Kings Custom Grease Converter

-  Make sure there is a continued power supply to auto pump
-  Make sure no harsh chemicals are poured down the sink destroying the enzyme process created within the converter. i.e.: cutlery soaking solution etc
-  Bio-Zyme industrial 5 ltr will last for 50 days (uses 100ml every night) Must replace before running empty
-  Pump out and clean converter yearly or under heavy usage 6 monthly – or as specified in your Council consent
-  For trouble free operation after pump out, manually clean internal components then commence with start up procedure (as above)
-  Check for any pipe line/fitting leakage

NOTE: This system requires a Management Plan to record it is maintained and following manufactures instructions (included in pack)

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KINGS CUSTOM IN SINK STRAINER

- Fitted into sink waste by plumber
- Used to eliminate any food waste getting to grease converter
- This will greatly reduce food build up in bottom of your converter
- To fit standard 80ml fittings



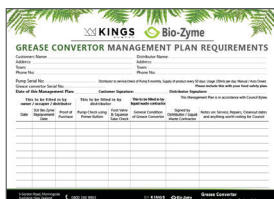
BIO-ZYME DOSE IT PUMP

- Installed to Grease Converter & plugged into 3 point power supply. Warranty of 2 years when only using Bio-Zyme Industrial through Pump
- See Install Guide (included in this pack)
- See Technical Sheet for more information (included in pack)



BIO-ZYME INDUSTRIAL

- NZ made, NZ Approvals
- NZ Council approved for use in grease converters
- Organic readily, biodegradable, environmentally preferable
- Test results on reduction of oils & grease available on request



MANAGEMENT PLAN

- This plan is to be completed to ensure the user is operating within FOG Parameters as set out in the trade waste Bylaw in their district (included in this pack)

KEY INFORMATION

- Please read all information carefully
- Follow manufacturers Instructions
- Check your council consent for any additional requirements with regard to pump-grease converter - Product Approved

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MAINTENANCE

The maintenance schedule will be determined by the size of Grease converter and the size and type of the restaurant/cafe. We recommend engaging a registered liquid waste/septic tank contractor that is familiar with servicing these types of converters and regularly checking the dosing level and making sure that there are no blockages. A full clean out is recommended every 6-12 months depending on the sludge build up. Please check your council consent as requirements can vary in different areas of NZ.

INDEPENDENTLY INDUSTRY TESTED

Kings Custom Grease Converters have been used since 2008 in the restaurant trade and have been used extensively by brands such as Subway, Habitual Fix, BurgerFuel to name a very few.

Sample Type: Aqueous (High demand commercial kitchen)	Sludge Influent (Taken from top & Inlet)	Trade Waste Effluent (Taken from the outlet)	Result
PH	-	4.4	Between acceptable levels 4-10
Total Suspended Solids (g/m ³)	1850	95	95% Decrease
Carbonaceous Biochemical Oxygen Demand (cBOD ₅)	10,200	500	95% Decrease
Oil and Grease (mg/Kg - (g/m ³))	37,000	48	99.99% Decrease

**Independently tested by Hills Laboratories March 2013.*

Sample - Before & After



Please contact us for further information

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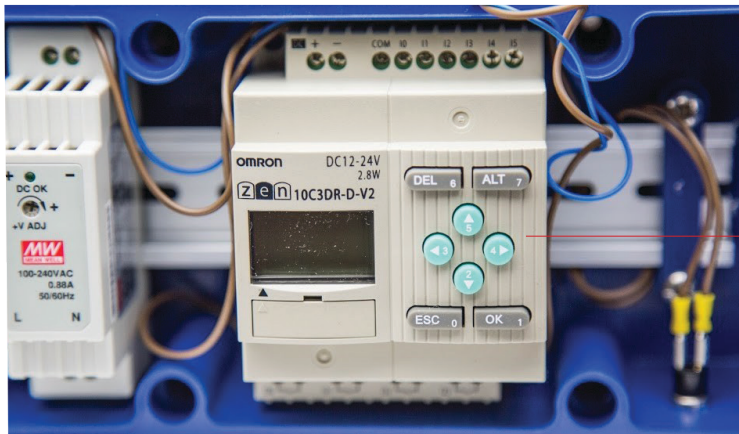
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Dose it Pump - for grease converter








• Use Phillips screw driver to remove front cover.

• Squeeze tube head - entire head is replaced if needed (purchased)



• Use arrow button (↻) to get to set time & date. Then use arrow buttons to punch in date & 24 hour clock when finished. Press **OK**. Press **ESC** to get back to main menu. Go back & check all is correct. Screw cover on then use black prime button under pump to get Bio-Zyme through tubes to start (Priming Unit).

-  Programme is pre set @ 100mls dosage at 11pm daily
-  This programme cannot be altered unless it is sent back to factory to reset
-  Unit is powered by 3 point plug with battery back up
-  These units are purchased from distributor
-  This unit is only designed to use Bio-Zyme Industrial at the tested dosage rate 100mls per day.



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Bio-Zyme Industrial | Deodoriser - Degreaser

Enzyme based Deodoriser - Degreaser

An environmentally preferable cleaner, deodoriser and degreaser, **Bio-Zyme Industrial** is a non-toxic and biodegradable agent, which augments biological action.

Bio-Zyme Industrial works to eliminate odours by breaking down the molecular structure of the host environment, digests contaminants and speeds up the natural biodegrading process.

Bio-Zyme Industrial includes natural enzymes that break down oils and greases in holding ponds, waste water treatment systems, grease traps, toilets, drains etc., making it easier for nature's bacteria to consume any organic waste matter and at the same time eliminating any odours.

Where to use

- 👁 Grease Traps
- 👁 Grease Converters
- 👁 Big Dippers
- 👁 Waste Water Treatment Systems
- 👁 Septic Tanks
- 👁 Waste Drains
- 👁 Spills

Features & Benefits

- 👁 Fully neutralises contaminants as a biodegradable cleaner
- 👁 Proven to break down oil, grease, BODs, CODs, suspended solids and fatty acids from all surfaces and drains (degreaser)
- 👁 Eliminates odours
- 👁 Environmentally preferable
- 👁 Cost effective
- 👁 Enhances and conditions waste water treatment systems



Technical Data

- 👁 Environmental Choice
- 👁 BioGro Certified
- 👁 MPI Approved
- 👁 Waste Water Treatment Systems Preferable
- 👁 Deodorizer
- 👁 Wide Spectrum Bacteria Control
- 👁 NZ Council Approved

Safety

- 👁 Do not swallow
- 👁 Keep out of reach of children
- 👁 Avoid contact with eyes
- 👁 If eye contact occurs wash out with potable water

Available in 1L, 5L, 20L

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The purpose of this management plan is to ensure the customer operates within the FOG parameters as set out in the trade waste bylaw in their district and this becomes part of your Environmental Management Plan for your business

It is the responsibility of the owner/occupier of the grease trap or converter at the premises to ensure Bio-Zyme is being used in accordance with the manufacturers' instructions for the grease converter. Proof of enzyme purchase will be required.

The owner/occupier or Bio-Zyme distributor is required to test the dosing pump every 6 months to ensure the pump is in good working order.

The council can randomly visit your premises without advance notice, to:

- Ensure the business is complying with the conditions and limits as set out in their **Trade Waste Agreement** or **Bylaw** (check your consent conditions are up-to-date);
- Verify any self-monitoring data.

Non-compliances with your trade waste agreement or bylaw may result in enforcement actions by the council. The council will actively investigate all overflows, which could involve prosecution and cost recovery.

Requirement of Owner / Occupier

- Installation of pump
- Replacement of Bio-Zyme Industrial on pump every 50 Days
- Write date of Replacement on White Area of Bio-Zyme Industrial with Black permanent marker (as per photo)
- Record proof of Purchase and date replaced on front of this sheet

NOTE: Cleanout of grease converter/trap is done by a registered waste liquid/septic tank contractor in your area. **This is at your expense.**



Requirement of Service/Check by Owner/Occupier or Distributor 6 Monthly

1. Remove the Tube from 5 Litre Bottle
2. Remove foot valve from tube and clean thoroughly with warm water
3. Fit foot valve back into tube and put into 5 litre
4. Use Prime button to check pump is in good working condition
5. Ensure Fluid is moving through tube while holding prime button in
6. Update service date and details on front of this agreement



Detergents and Cleaning Products
Licence No. 5819155

MPI Approved C32

MPI Approved Cleaner | Antibacterial Sanitiser
MPI Dairy Approved and Recognised

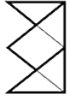
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GREASE CONVERTER MANAGEMENT PLAN REQUIREMENTS

Customers Name: _____ Distributor Name: _____
 Address: _____ Address: _____
 Town: _____ Town: _____
 Phone No: _____ Phone No: _____

Pump Serial No: _____ Distributor to service/check of Pump 6 monthly. Supply of product every 50 days. Usage 100mls per day: Manual / Auto Dosed.
 Grease converter Serial No: _____ **Please include this with your food safety plan.**

Date of this Management Plan: _____ **Customer Signature:** _____ **Distributor Signature:** _____
 This Management Plan is in accordance with Council Bylaw.

This to be filled in by liquid waste contractor

5Ltr Bio-Zyme Replacement Date	This to be filled in by owner / occupier / distributor			This to be filled in by liquid waste contractor		Signed by Owner/ Occupier or Distributor / Liquid Waste Contractor	Notes on: Service, Repairs, Cleanout dates and anything worth noting for Council
	Proof of Purchase	Pump Check using Primer Button	Foot Valve & Squeeze Tube Check	General Condition of Grease Converter			





5 Gordon Rd, Morningside, Auckland
P. O. Box 10024 Dominion Road
Ph 09 845 2936 | Fax 09 8452938
Email - info@kingscustom.co.nz

Date:

Producer Statement

Kings Custom Grease Converter

Model KG250 – 250L Kings Custom Grease Converter

Site Address

The above grease converter has been recommended for the site listed, based on seating capacity and usage. The grease converter complies with all the requirements of the Auckland Metropolitan Drainage District Trade Waste Bylaw G 13 NZBC when correctly installed and maintained

The discharge will not contain any oil & grease which is in the form of a floating layer in the water

The discharge will not contain emulsified oils, fat or grease exceeding 200mg/l or are not stable in the PH range of 6 – 10 at a temperature of 15 degrees in contact with sewage.

The Kings Custom grease converter must be installed by a registered plumber and a management plan signed and issued to satisfy council requirements. **This system MUST have an Automatic dosing pump set up to administer the correct dosage on a daily basis.**

Kings Custom

MARK WARREN
Director

Kings Custom
5 Gordon Road, Morningside
Auckland, New Zealand

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Product Warranty

Thank you for purchasing one of our quality products.

Your Kings Custom Grease Converter is covered against defects for a period of 24 months.

The warranty is given by Kings Custom Ltd,

P.O. Box 10024, Dominion Road, Auckland 1446 - New Zealand

Ph 09 8452936 | Fax 09 8452938

Email - info@kingscustom.co.nz

- Any claim under the warranty must be made within 24 months of the date of purchase of the product.
- Proof of purchase must be presented.
- To make a claim under the warranty please contact Kings Custom Ltd. Product must be returned to Kings Custom Ltd by purchaser for any warranty repairs

Conditions of Warranty

- The Kings Custom Grease Converter must be operated and maintained in accordance with the manufacturer's instructions supplied.
- Any repair does not extend the warranty period. Any parts other than original Kings Custom Grease Converter parts will void this warranty.

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