



CERTIFICATE NO: CM20158 Rev 1

# PRODUCT CERTIFICATE



## Dux Actamatic® Grease Converter

Date of issue: 09/10/2020

Renewal Date: 16/05/2021

### 1 CERTIFICATE HOLDER DETAILS

DUX INDUSTRIES LTD

32 Mahia Road, Manurewa, Auckland,  
New Zealand

Phone: +64 9 279 2850

Email: [dux@dux.co.nz](mailto:dux@dux.co.nz)

Website: [www.dux.co.nz](http://www.dux.co.nz)



### 2 PRODUCT CERTIFICATION BODY



SAI Global Certification Services Pty Limited

(ACN 108 716 669) Trading as "SAI Global"

JAS-ANZ Accreditation No. Z1440295AS

680 George St, Sydney, NSW 2000

[www.saiglobal.com](http://www.saiglobal.com)

### KEY INFORMATION

#### 3 SUMMARY OF DESCRIPTION OF BUILDING METHOD OR PRODUCT

The Dux Actamatic® Grease Converter consists of a closed tank with a series of chambers formed by baffles, where the incoming fats, oils and greases are separated from water and automatically dosed to stimulate bacterial treatment, resulting in release of environmentally safe by-products, water, carbon dioxide and energy (heat). The baffles restrict the movement of suspended solids and allow residue to settle to the base of the tank where after a period of time the tank can be cleaned out on a standard maintenance schedule dependent on the loading of the Dux Grease Converter.

*Continuation of description can be found in item 9. Supporting Information about Description of Building Product or Method.*

*Matters that should be taken into account in the use or application of the building method or product can be found in item 6. Conditions and Limitations of Use*

Catalogue or model identification numbers: GC 5020, GC 5030, GC 5035, GC 5060, GC 5080, GC 5100, GC 5215, GC 5225, GC 5235, GC 5250

#### 4 SUMMARY OF INTENDED USE OF BUILDING METHOD OR PRODUCT

The Dux Actamatic® Grease Converter breaks down fats, oils and greases to water-soluble, environmentally acceptable effluent levels, suitable for discharge into a sewer.

*Continuation of intended use can be found in item 10. Supporting Information about Intended use of Building Product or Method.*

#### 5 BUILDING CODE PROVISIONS – New Zealand Building Code (NZBC) as at JAN 2017

**B2 – Durability – B2.3.1(c)**

**F2 – Hazardous building materials – F2.3.1**

**G14 – Industrial liquid waste – G14.3.1, G14.3.2**

*If designed, used, installed & maintained in accordance with the scope of this Certificate, the above-mentioned product will meet the following provisions of the NZBC.*

*How the building method or product complies or contributes can be found in item 12. Basis for Certification.*

*Any qualifications on the extent of that compliance can be found in item 6. Conditions and limitations of use.*

The certificate holder must maintain compliance with the conditions set out in section 15 of the Building (Product Certification) Regulations 2008.

This certificate is issued by SAI Global, an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of Ministry Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee or represent that the building method or product, the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.

This certificate may only be reproduced in its entirety. It is advised to check that this certificate is currently valid and not withdrawn or suspended by referring to the Register of Product Certificates on the Building Performance website <http://www.building.govt.nz>.

Information regarding SAI Global's complaints process can be found at the following link: [Complaints Process](#).

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## Dux Actamatic® Grease Converter

### 6 CONDITIONS AND LIMITATIONS OF USE

1. The installation must be in accordance with the Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3).
2. Dux Actamatic® Grease Converters must be installed by a licensed plumber and approved local authority.
3. The discharge from the Dux Actamatic® Grease Converter must be connected to a sewer by means of a plumbing and drainage disposal system complying with G13 Foul Water.
4. In-sink screens or dry basket arrestors must be fitted to limit the entry of food scraps into the system.
5. The Dux Actamatic® Grease Converter is to be commissioned by an authorised Dux Industries Limited Service Agent.
6. Dux Actamatic® Liquid is the only product to be used with the Dux Actamatic® Grease Converter.
7. The Dux Actamatic® Grease Converter is to be serviced at least every six months as part of service agreement with a Dux Industries Limited appointed service agent and as specified in the Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3).
8. The Dux Actamatic® Grease Converter is to be used as outlined in the Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3).

#### Reference Documents:

1. Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3) – *Contact certificate holder via website to obtain a copy.*

### 7 HEALTH AND SAFETY INFORMATION

- Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3) – *Contact certificate holder via website to obtain a copy.*

### 8 SIGNATURES

Name and Signature of the Product Certification Body's (PCB) authorised representative and, where different, the person assigned by the PCB to make the certification decision



**Heather Mahon**  
Global Head of Technical Services  
SAI Global Assurance

### SCHEDULE: INFORMATION THAT SUPPORTS KEY INFORMATION

#### 9 SUPPORTING INFORMATION ABOUT DESCRIPTION

The Dux Actamatic® Grease Converter consists of a closed tank with a series of chambers formed by baffles, where the incoming fats, oils and greases are separated from water and automatically dosed to stimulate bacterial treatment, resulting in release of environmentally safe by-products, water, carbon dioxide and energy (heat). The baffles restrict the movement of suspended solids and allow residue to settle to the base of the tank where after a period of time the tank can be cleaned out on a standard maintenance schedule dependent on the loading of the Dux Grease Converter.

##### Components:

The components are detailed in the manufacture's technical manual, and consists of;

- Dux Actamatic® Grease Converter
- Dux Pro Watch 510T Dispenser
- Dux Actamatic® Liquid

#### 10 SUPPORTING INFORMATION ABOUT INTENDED USE

The Dux Actamatic® Grease Converter breaks down fats, oils and greases to water-soluble, environmentally acceptable effluent levels, suitable for discharge into a sewer.

##### Referenced Documents:

- Dux Actamatic® Grease Converter Technical Manual (GC QPS13 – Version 3) – *Contact certificate holder via website to obtain a copy.*
- Dux Actamatic® Grease Converter Drawings (Controlled documents NO. GC QPS16 through to GC QPS21)

#### 11 SUPPORTING INFORMATION ABOUT CONDITIONS AND LIMITATIONS OF USE

*All conditions and limitations are as stated above in item 6. Conditions and Limitations of Use*

#### 12 BASIS FOR CERTIFICATION

- **Durability** – by inspection of materials of construction and provisions of B2/VM1.
- **Hazardous Building Materials** – by inspection of materials of construction.
- **Industrial Liquid Waste** – Comparison with provisions of Verification Method G14/VM1

#### 13 SUPPORTING DOCUMENTATION FOR CERTIFICATION

1. Building regulations 1992 (SR 1992/150) – Reprinted as at 1 January 2017.
2. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability. Amendment 9 (1 January 2017).
3. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause F2 Hazardous Building Materials. Amendment 3 (1 January 2017).
4. Acceptable Solutions and Verification Methods for New Zealand Building Code Clause G14 Industrial Liquid Waste. Amendment 6 (1 January 2017).



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## Dux Actamatic® Grease Converter

5. **Dux Actamatic® Grease Converter Trial – New World Metro (dated 03/08/2012).** Report on monitored performance on unit installed in a high demand environment, with regular monitoring of discharge quality. Includes supporting ESL laboratory reports (ELS Report No. 12/14394, 12/14587, 12/14585, 12/14800).
6. **Eco world – Dosing Volumes – Actamatic® Liquid – Grease Converters Letter (dated 12 June 2013).** This letter outlines the reasoning behind the dosing rates contained in the Technical Manual and the commissioning and maintenance procedures to ensure effective operation of the Grease Converter.
7. **Dux Industries Limited – Reviewer Report Letter (Dated 28 May 2013).** This letter provides background to the correct sizing procedure for a grease converter and dosage rates. It also contains commentary on previous installations where the required installation and in house procedures had not been followed.

### 14 CONDITIONS RELATING TO NOTIFICATION

- (a) the certificate holder notifies the product certification body in writing of any intended change to any of the following particulars:
  - (i) the name, address, or contact details of the certificate holder:
  - (ii) any address of a location where a certified product is produced or manufactured:
- (b) the certificate holder notifies the product certification body in writing of any intended change, modification, or alteration to any of the following:
  - (i) the certified building method or product:
  - (ii) the method of its production or manufacture:
  - (iii) the product quality plan prepared in respect of the certified building method or product:
  - (iv) the application or installation instructions for the certified building method or product:
  - (v) any documentation relating to the use and maintenance of the certified building method or product:
- (c) if the certificate holder has any reason to suspect that the certified building method or product does not comply with the Building Code, the certificate holder notifies the product certification body in writing of the reason for that suspicion:
- (d) if the certificate holder or the product certification body finds that a certified building method or product that has been released on the market does not comply with the Building Code, the certificate holder discloses that fact in disclosure statements published in a form that is acceptable to the product certification body and to the chief executive:
- (e) if the certificate is suspended or revoked, the certificate holder—
  - (i) notifies all customers to whom the building method or product is regularly supplied; and
  - (ii) immediately ceases using the certificate, the mark of conformity, and any reference to the number of the certificate.



The certificate holder must maintain compliance with the conditions set out in section 15 of the Building (Product Certification) Regulations 2008.

This certificate is issued by SAI Global, an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of Ministry Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee or represent that the building method or product, the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages, and costs arising as a result of the use of the building method(s) or product(s) referred to in this certificate.

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