



GP(G)/ECOS/003/2023

GUIDELINES ON LABELLING OF DOMESTIC GAS COOKING APPLIANCES



GAS SUPPLY ENACTMENT 2023

GUIDELINES ON LABELLING OF DOMESTIC GAS COOKING APPLIANCES

In exercise of the power conferred by Section 72 of the Gas Supply Enactment 2023, the Energy Commission of Sabah (ECoS) issue these guidelines.

Citation and Commencement

1. These Guidelines may be cited as the Guidelines on Labelling of Domestic Gas Cooking Appliances (“Guidelines”).
2. These Guidelines shall come into operation with immediate effect.

Purpose of these Guidelines

These Guidelines were prepared for the following purposes: -

1. to enable consumers to differentiate between the approved and non-approved regulated domestic gas cooker available in the market.
2. to assist assemblers, manufacturers or importers in understanding and fulfilling the requirements and procedures for obtaining the SIRIM-ECoS label for domestic gas cooking appliances.

Application of these Guidelines

These Guidelines shall be applicable to consumers, assemblers, manufacturers or importers of domestic gas cooking appliances.

Amendment and Variation

ECoS may at any time modify, vary, review or revoke these Guidelines.

Dated: 1st October 2023



DATUK Ir. ABDUL NASSER BIN ABDUL WAHID
Chief Executive Officer
Energy Commission of Sabah

DOCUMENT CONTROL				
VERSION	REGISTRATION NUMBER	REGISTRATION DATE	EFFECTIVE DATE	ISSUANCE/ AMENDMENTS
1	GP(G)/ECOS/003/2023	1 st October 2023	1 st October 2023	First issuance

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1. BACKGROUND AND OBJECTIVES

The objective for the domestic gas cooker labeling under Regulation 117, Gas Supply Regulations 2023 is to ensure the safe use of domestic gas cookers by consumers by:

- a) Ensuring that each appliance is tested/verified by SIRIM QAS International Sdn. Bhd.,
- b) Thereafter granting of a Certificate of Approval by ECoS pursuant to Regulation 115 of the Gas Supply Regulations 2023 (“R115 COA”), and
- c) Subsequently enhanced by SIRIM-ECoS labelling.

Therefore, by complying with the specified minimum requirements, risk of accidents such as fire, explosion and other hazards which could result in injuries or deaths to humans and or damages to properties can be minimized or avoided.

2. DEFINITIONS AND INTERPRETATION

“**domestic**” means the household or of or for use in the home rather than in an industrial or office environment.

“**gas appliance**” means an appliance designed for use or to be used by a consumer of gas for heating, burning, motive power, or other purposes for which gas can be used and includes a gas appliance regulator.

Unless expressly indicated to the contrary or unless the context otherwise requires, terms adopted and used in this guide shall bear the same meaning as they are defined in the following:

- a) Gas Supply Enactment 2023,
- b) Gas Supply Regulations 2023, and or
- c) Malaysian Standard, MS 1535, and or
- d) British Standard, BS EN 30, and or
- e) Japanese Industrial Standard, JIS S 2093, and or
- f) Japanese Industrial Standard, JIS S 2103, and or
- g) Japanese Industrial Standard, JIS S 2092, and or
- h) Japanese Industrial Standard, JIS S 2010, and or
- i) Other standards recognised by ECoS

as amended from time to time.

In the event of any inconsistencies between the meanings of a term, the definition given in the first mentioned document shall prevail.

3. CERTIFICATE OF APPROVAL

3.1 Assembler, Manufacturer or Importer

The issuance of the Certificate of Approval pursuant to Regulation 114 of the Gas Supply Regulations 2023 (“R114 COA”) is to ensure that all activities to assemble, manufacture or import any gas fittings, gas appliances or equipment meets the specified safety requirement.

For application of R114 COA, do refer to the Guidelines for Assemblers, Manufacturers or Importers of Gas Fittings, Gas Appliances or Equipment. Applicants need to register online at <http://services.ecos.gov.my> to proceed with this application.

3.2 Gas Fitting, Gas Appliance or Equipment

The issuance of the Certificate of Approval pursuant to Regulation 115 of the Gas Supply Regulations 2023 (“R115 COA”) is to ensure no gas fitting, gas appliance or equipment shall be assembled, manufactured, imported, sold or used unless it has been tested and certified and approved by the Government or its agent or a person accredited by the Government and meets the specified safety requirement.

For application of R115 COA, do refer to the Guidelines for Assemblers, Manufacturers or Importers of Gas Fittings, Gas Appliances or Equipment. Applicants need to register online at <http://services.ecos.gov.my> to proceed with this application.

4. OFFENCE AND PENALTIES

Subsection 72(5), Gas Supply Enactment 2023

A licensee, competent person or any person who fails to comply with any guideline or direction of the Commission commits an offence and shall, on conviction, be liable to a fine not exceeding three hundred thousand ringgit or to imprisonment for a term not exceeding two years or to both.

5. REGULATED GAS COOKING APPLIANCES

Classification	Maximum marked gas consumption ¹ (kW)	Description	Reference figure
Cooking Burner	14 (for individual burner - 5.8)	An appliance that cooks by holding a pan or similar utensil on a burner.	Figure 1 to 7 (Refer Appendix A)

Regulated Gas Cooking Appliances

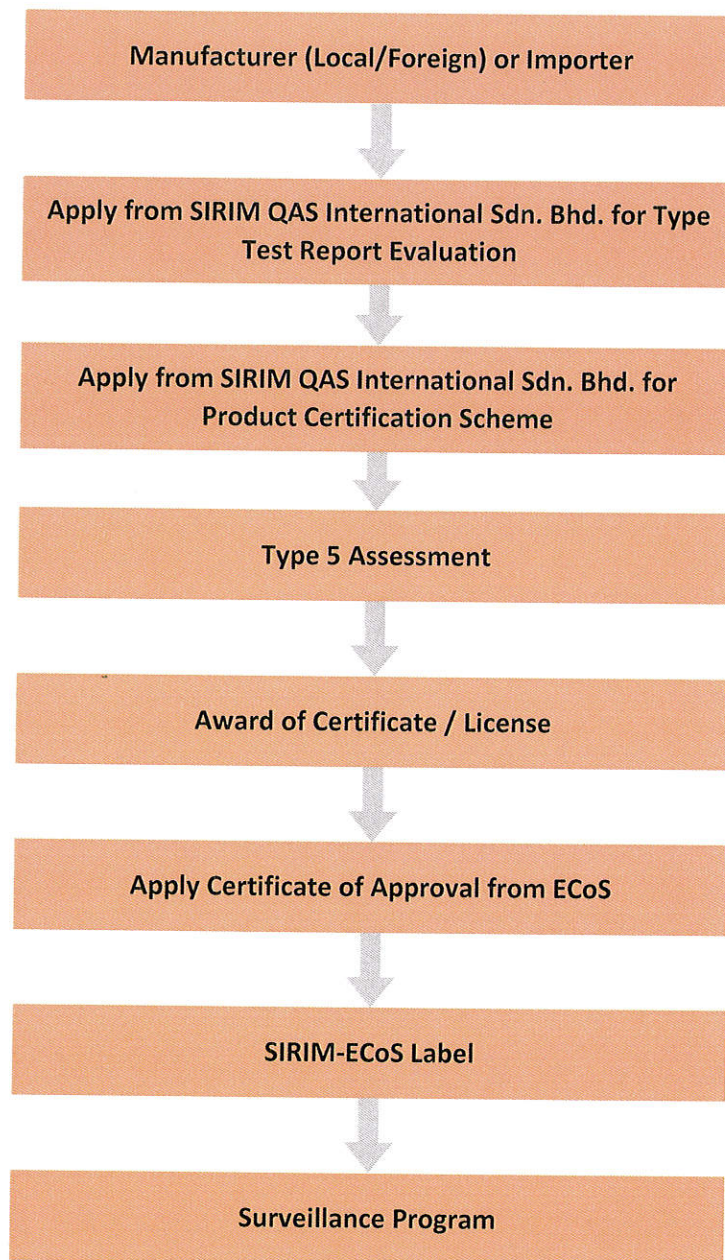
¹ The marked gas consumption means the gas volume that is consumed by the appliance when used under the condition where the gas consumption is maximum. This value is marked on the appliance.

Note: The non-regulated portable gas cooking burners as shown in Appendix B are a combination of portability and functionality; combining the light weight of a small gas canister with the heat output needed to cook a meal. Portable gas cookers in modern times can be divided into several broad categories based on the type of fuel used and the design of the aluminum stoving frame. Unpressurised stoves use solid/liquid fuel placed in the burner before ignition. Combustible stove hangers use a form of volatile liquid fuel in a pressurized burner i.e bottled gas stoves.



6. TYPE 5 PRODUCT CERTIFICATION SCHEME

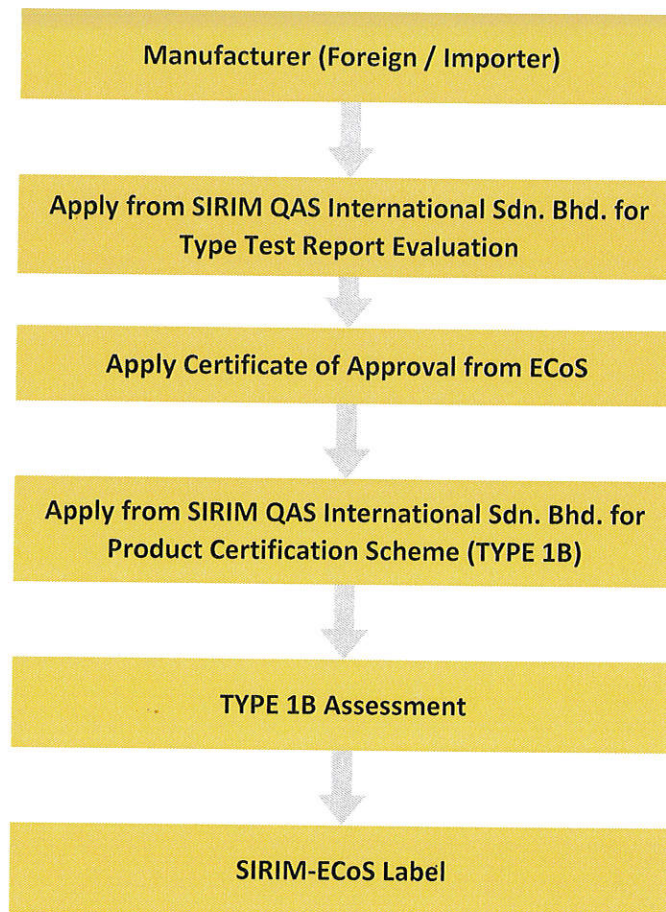
Based on ISO/IEC 17065 No. 5, the assembler, manufacturer (local / foreign) or importer need to apply Product Certification Scheme (Type 5) from SIRIM QAS International Sdn. Bhd. The applicant is then awarded with a certificate / license if the product complies with the standard, and if the factory has proper quality control system to ensure consistent and continuous compliance with the product standard's requirement.



Type 5 Certification Scheme Application Flow

7. TYPE 1B/BATCH CERTIFICATION SCHEME

As an alternative to the Type 5 Certification Scheme, the applicant may arrange for Type 1B/ Batch certification of the imported products' compliance with national or international safety standards. Type Test Report is required for evaluation. The certification process will follow as per the below flow chart.



Type 1B / Batch Certification Scheme Application Flow

8. SIRIM-ECoS LABELLING

All regulated domestic gas cookers approved by ECoS must be labeled or marked in accordance with the Regulation 117 of Gas Supply Regulations 2023 and shall be done in the manner which has been determined by ECoS.

There are two (2) types of SIRIM-ECoS label to be affixed on domestic gas cooker such as follows: -

8.1 SIRIM-ECoS Label (TYPE 5)

Local / Foreign manufacturers or importers who enter Product Certification Scheme (Type 5) must purchase SIRIM-ECoS label and affix it on each of the approved appliances.

8.2 SIRIM-ECoS Label (TYPE 1B/BATCH)

Foreign manufacturers or importers who passed the Consignment Test for their gas cooking appliances must purchase the SIRIM-ECoS label and affix it on each of the approved appliances. The word BATCH printed on the label proves that the appliance has undergone BATCH Consignment Test.



Sample of SIRIM-ECoS Label (TYPE 1B/BATCH)

9. WHERE TO AFFIX SIRIM-ECoS LABEL?

Affix the SIRIM-ECoS label on the regulated domestic gas cooker in a legible manner. Do not affix the label on the packaging.

10. APPENDIX A: REGULATED GAS COOKING APPLIANCES



Figure 1: One burner table appliance.

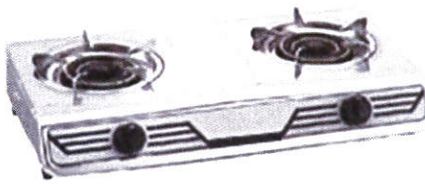


Figure 2: Two burners table / hob appliance.

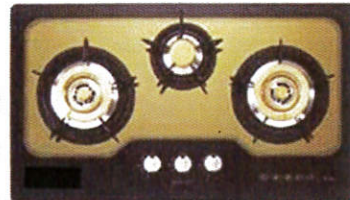
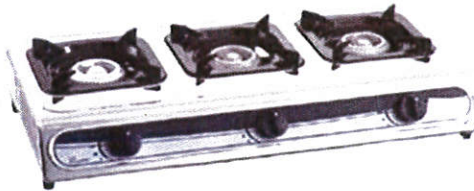


Figure 3: Three burners table / hob appliance

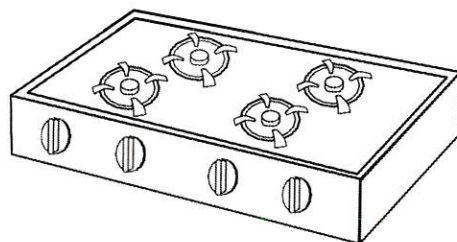
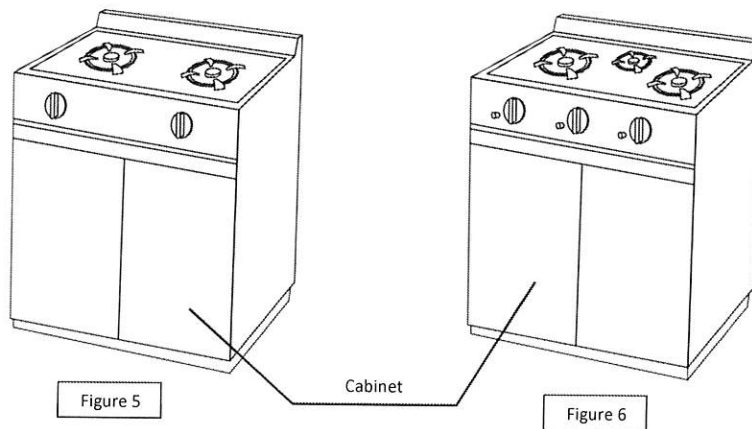


Figure 4: Four burners table / hob appliance.



**Figure 5: Two burners cabinet appliance.
Figure 6: Three burners cabinet appliance.**

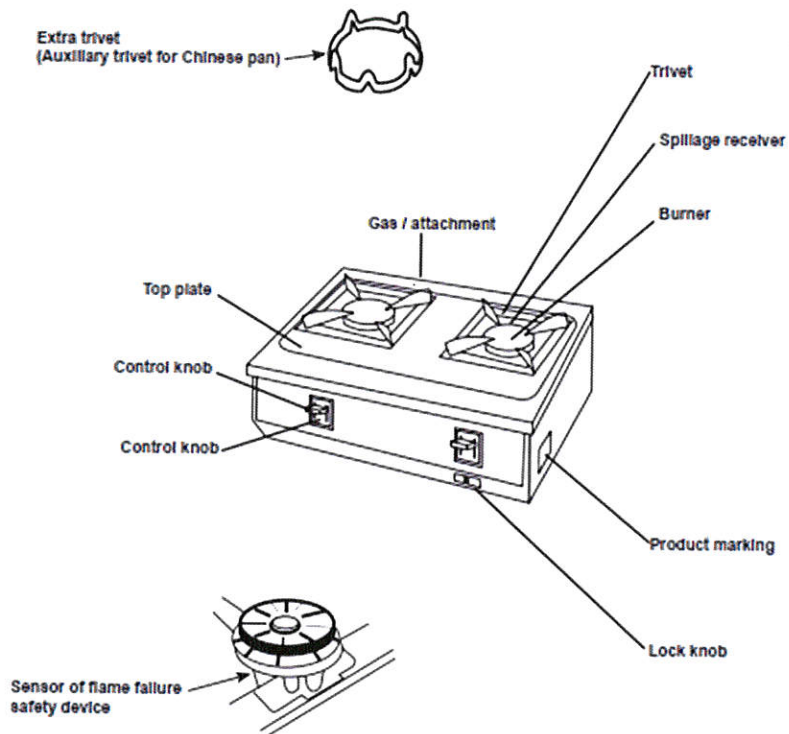


Figure 7: Two burners table appliances' parts.

11.0 APPENDIX B: NON-REGULATED PORTABLE GAS COOKING BURNERS



Figure 1: Portable Gas Stove



Figure 2: Gas cartridge