

Our Ref: Cir 2018-04

Date: 1 August 2018

To: Suppliers of Gas Cookers and Conformity Assessment Bodies

Subject Scheme: Consumer Protection (Safety Requirement) Registration

Dear all,

With reference to the Circulars dated 25 Sep 2017 (Ref: Cir 2017-05) and 29 Jan 2018 (Ref: Cir 2018-01), the Safety Authority has completed the relevant investigations and inquiries into the incidents involving the affected gas hob cookers.

With effect from 1 August 2018 the Safety Authority will be lifting the restrictions and conditions imposed by the two abovementioned circulars which: -

- (i) Restricted the registration of gas cookers of similar make/ design with power ratings between 4 to 5 kW to an application-by-application and case-by-case basis; and
- (ii) Imposed a condition for registration of all town-gas stainless-steel or glass-top gas cookers not to exceed power rating of 5 kW.


Pursuant to the investigations and inquiries, Enterprise Singapore, as the Safety Authority, will also introduce two (2) new additional safety requirements for all new registration of gas cooking appliances:

- 1. All gas appliances must be tested up to 31 mbar for town-gas.**
- 2. To use G112 gas as a limit gas for test clause 7.3.2.1.3 third test group to check for occurrence of light back, under performance clause 6.2.1.1.**

The addition of the new conditions is reflected in Section 7 of the Consumer Protection (Safety Requirement) Registration Scheme Information booklet. The relevant section is extracted below for reference. The booklet can be downloaded from <https://www.enterprisesg.gov.sg/quality-standards/consumer-protection#for-suppliers>

Applicable to gas appliances		
29	Test pressure of town gas for gas appliances	[New additional requirement] All gas appliances must be tested up to 31 mbar for town gas.
30	Specifications of LPG and Town Gas	All gas appliances must be tested to the specifications stated on Appendix W.
31	Gas appliances tested to EN 30-1-1: 1998/2008	Testing to sub-clause 6.1.6 (Temperature of the LPG cylinder and its compartment) and sub-clause 6.2.1 (Ignition, cross-lighting and flame stability) must be carried out. [New additional requirement] To use G112 gas as a limit gas for test clause 7.3.2.1.3 third test group to

		check for occurrence of light back, under performance clause 6.2.1.1.																							
32	Flame failure device (FFD) incorporated in gas appliances	<p>a) Test report/certificate showing that the FFD complied with EN 126: 1995 or EN 125: 1991 for gas appliance tested to EN 30-1-1 or AG 204: 1984 for gas appliance tested to AG 101 at component level must be provided.</p> <p>b) Testing to sub-clause 6.1.3 of EN 30-1-1 or sub-clause 3.6.13 of AG 101 at set level must be carried out.</p>																							
33	Gas oven	a) It is compulsory for all gas ovens to be fitted with flame failure device.																							
34	Toughened glass gas hob	<p>a) A brochure, entitled ‘Toughened Glass – A Shattering Experience?’ must be included for each toughened glass gas hob put up for sale. (Order for the brochure can be placed with the Safety Authority)</p> <p>b) Toughened glass gas hob tested to EN 30-1-1 would require any of the following testing and compliance:</p> <ul style="list-style-type: none"> • sub-clauses 2.1.15, 2.1.16, 2.1.18, 2.10.9.5, 2.11.2.2 & 5.7.5 of AG101: 1998 / AS 4551: 1998 • sub-clauses 2.1.16(a), 2.1.17, 2.1.19, 2.10.9(e), 2.11.2.2 & 5.7.5 of AG101: 2000 / AS 4551: 2000 • sub-clauses 2.1.16(a), 2.1.17, 2.1.19, 2.10.8.3(e), 2.11.3(g) & 5.8.4 of AS 4551: 2008 																							
35	Gasket for elbow joint of gas cooker	Installation instruction must mention about the fixing of gasket for the elbow joint, if applicable. (Appendix R)																							
36	Glass-ceramic gas hob with enclosed covered burner (simulated gas explosion test)	The gas hob must be subject to ‘simulated gas explosion’ test. The hob is filled with an explosive mixture of gas and detonated with a source of ignition.																							
38	Gas canister	<p>a) All registered gas canisters shall be subjected to batch test conducted by the laboratory who conducted the full-type test in accordance with the sampling plan as shown below:</p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th>Batch size</th> <th>Sampling size</th> <th>Acceptable failure size</th> </tr> </thead> <tbody> <tr> <td>1-3200</td> <td>13</td> <td>2</td> </tr> <tr> <td>3201-35000</td> <td>20</td> <td>3</td> </tr> <tr> <td>35001-150000</td> <td>32</td> <td>5</td> </tr> </tbody> </table> <p>b) The sampled gas canisters shall be tested to the following clauses of SS 400 as follows:</p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th rowspan="2">Clause</th> <th colspan="3">Sample size</th> </tr> <tr> <th>13</th> <th>20</th> <th>32</th> </tr> </thead> <tbody> <tr> <td>4.4 (Pressure in canister)</td> <td>5</td> <td>8</td> <td>14</td> </tr> </tbody> </table>	Batch size	Sampling size	Acceptable failure size	1-3200	13	2	3201-35000	20	3	35001-150000	32	5	Clause	Sample size			13	20	32	4.4 (Pressure in canister)	5	8	14
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39	Installation manual or installation instructions for gas cookers	<p>1. All registered gas cookers shall be supplied with installation manual or installation instructions within the operating manual, user's manual, user's guide, etc. which shall also include safety instructions for use of the gas cooker.</p>																

While suppliers are strongly encouraged to ensure that the controlled goods supplied by them conform at all times to existing and updated safety requirements, suppliers will be granted a one-year grace period from 1 August 2018 to 31 July 2019 to ensure their gas cooking appliances are tested and comply to the new additional requirements. After 31 July 2019, ALL gas cooking appliances sent for registration or renewal of CoC must comply with the new requirements in order to be supplied in Singapore.

- Applications for new registration of gas cooking appliances **after 31 July 2019**: new additional requirements must be satisfied for registration.
- Applications for renewal of CoC of gas cooking appliances registered **prior to 1 August 2019**: new additional requirements must be satisfied for renewal.
- Existing supply of gas cooking appliances registered **prior to 1 August 2019** but not sent for renewal of CoC: **gas cooking appliances with existing and valid CoC will be allowed to continue supply until expiration of the CoCs. If suppliers wish to continue supplying a gas cooking appliance after expiry of its CoC, suppliers are required to apply to renew the CoC (which have to comply with new additional requirements).**

If you need further clarification on the circular, please contact Mr. Finian Lim, Investigation Officer, at Finian_Lim@enterprisesg.gov.sg or consumerprotection@enterprisesg.gov.sg.

Yours faithfully

Deputy Director,
Consumer Protection, Weights & Measures Division
(This is computer generated, no signature is required)