



GAS APPLIANCES
TECHNICAL GUIDANCE BULLETIN

Bulletin number: 007

Bulletin Date: 18/03/2016

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Product Type: LP Gas mobile industrial direct-fired air heaters

Relevant Standard/s: AS 5262-2011

Relevant Clause/s: 1.1 Scope

Subject: LP gas mobile direct fired air heaters with a nominal gas consumption of 50MJ/h or less and an operating pressure greater than 2.75kPa

Guidance to be provided: LP gas mobile direct fired air heaters with a nominal gas consumption of 50MJ/h or less and operating at pressures greater than 2.75kPa, are to be assessed to AS 5262-2011 with additional select requirements from AS 4553-2008 (Incorporating Amendment No. 1), as detailed below:

AS 4553-2008 (Incorporating Amendment No. 1)

Clause 5.10 Vitiation and emissions tests

- 5.10.1 Limiting operating conditions
- 5.10.2 Operation of oxygen depletion system
- 5.10.3 CO/CO₂ ratio of the combustion products at 20% of the nominal appliance inlet pressure
- 5.10.4 Nitrogen dioxide emission rate
- 5.10.5 CO/CO₂ ratio at the manufacturer's specified test point pressure.

Compliance with these requirements shall be determined by the following tests:

1. *B 48 M.O.T. 5.10.1 – Safety system test*
2. *B49 M.O.T. 5.10.2 – Vitiation test*
3. *B50 M.O.T. 5.10.3 – Combustion test at reduced appliance inlet pressure*
4. *B51 M.O.T.5.10.4/5 – Emission testing*

Reason: The publishing of AS 5262-2011 has reduced the scope of the standard, previously published as AG 404, such that it no longer includes appliances with a nominal gas consumption of 50MJ/h or less. A note has been added to the scope of AS5262 stating "For direct fired air heaters up to and including 50 MJ/h, refer to AS 4553."

The normal test gas pressure in AS 4553 is limited to 2.75kPa. As a result, LP gas mobile direct fired air heaters with a nominal gas consumption of 50MJ/h or less operating at pressures greater than 2.75kPa are not covered by an appropriate standard.

Action(s): Conformity Assessment Bodies are to ensure that the methods of laboratory tests are conducted in accordance with the procedures set out above when assessing this product type for certification.

Conformity Assessment Bodies are to create a new and unique certification

This bulletin provides technical guidance from the Gas Technical Regulators to Conformity Assessment Bodies that are JASANZ accredited for the certification of gas appliances required to comply with AS3645. This technical guidance is provided where the technical requirements or test methodologies from current technical standards are inadequate or can be misinterpreted. This bulletin is valid until such time as the relevant technical standard is revised or amended accordingly.



number for certifications that have been issued in conjunction with this bulletin. A note should be added to the related entry in the GTRC National Certification Database indicating that the certification complies with this bulletin.

Transition:

1. For all new applications for certification made after the date of this bulletin, this bulletin must be adhered to immediately.
2. For existing certifications and applications received prior to the date of this bulletin, a minimum 12 month period has been granted to allow suppliers and manufacturers to modify the products and amend their certifications. Certifications and existing applications must comply with this bulletin by the effective date of this bulletin.

Result:

LP gas mobile direct fired air heaters with a nominal gas consumption of 50MJ/h or less operating at pressures greater than 2.75kPa are to be assessed to AS5262 and additionally the requirements from AS4553 referenced in this technical guidance bulletin.

Proposed Revision/s to Standard:

Refer to technical guidance above.

To be included in the proposed AS/NZS 5263 series in the future.

This bulletin has been endorsed by all Australian jurisdictions.

Effective Date: 31/03/2017