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Stationary source emissions

Method 1: Selection of sampling positions and measurement of velocity in stacks

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AS 4323.1:2021

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Australian Institute of Refrigeration Air Conditioning and Heating
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Stationary source emissions

Method 1: Selection of sampling positions and measurement of velocity in stacks

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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EV-007, Methods for Examination of Air, to supersede AS 4323.1:1995, *Stationary source emissions, Method 1: Selection of sampling positions*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

Standards Australia wishes to acknowledge the contribution of the EV-007-01 Stationary Source Emission Testing Subcommittee to the development of this document.

The objective of this document is to provide regulatory and testing bodies with procedures for selecting sampling positions for stacks (including exhaust ducts and other similar outlets) in order to obtain representative velocity, temperature, flowrate, pollutant concentration and mass rate of emission measurements. This document also describes the apparatus, procedures and calculations required to measure gas velocity and flowrate.

A list of all parts in the AS(AS/NZS) 4323 series can be found in the Standards Australia online catalogue.

The major changes in this edition are as follows:

(a) Clarification of aspects associated with sampling plane section.

(b) Addition of the procedures to be followed when measuring exhaust gas velocity and flowrate.

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