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AS/NZS 2535.1:2007 Test methods for solar collectors - Part 1: Thermal performance of glazed liquid heating collectors including pressure drop

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Abbreviation

AS/NZS 2535.1:2007

Amendment

A1 - incorporated, published 08/08/2014.

Valid from

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Information provider

Standards New Zealand

Author

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PDF

Cited By

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Description

This Standard establishes methods for determining the thermal performance of glazed liquid heating solar collectors. It provides test methods and calculation procedures for determining the steady-state and quasi-steady-state thermal performance of solar collectors.

The Standard is technically equivalent to and has been reproduced from ISO 9806-1:1994.

Scope

This part of ISO 9806 establishes methods for determining the thermal performance of glazed liquid heating solar collectors. These tests are intended for use as part of the sequence of tests specified in ISO 9806-2.

This part of ISO 9806 provides test methods and calculation procedures for determining the steady-state and quasi-state thermal performance of solar collectors. It contains methods for conducting tests outdoors under natural solar irradiance and for conducting tests indoors under simulated solar irradiance.

This part of ISO 9806 is not applicable to those collectors in which the thermal storage unit is an integral part of the collector to such an extent that the collection process cannot be separated for the purpose of making measurements of these two processes.

This part of ISO 9806 is not applicable to unglazed solar collectors nor is it applicable to tracking concentration solar collectors (See ISO 9806-3 for a test method for unglazed collectors).

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