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Safety and control devices for gas burners and gas-burning appliances — Particular requirements —

Part 9: Mechanical gas thermostats

*Dispositifs de commande et de sécurité pour brûleurs à fioul et pour
appareils à fioul - Exigences particulières —*

Partie 9: Thermostats mécaniques



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	3
4.1 Classes of controls.....	3
4.2 Groups of controls.....	3
5 Test conditions	3
6 Construction	4
6.1 General.....	4
6.2 Construction requirements.....	4
6.2.1 Appearance.....	4
6.2.2 Holes.....	4
6.2.3 Breather holes.....	4
6.2.4 Screwed fastenings.....	4
6.2.5 Jointing.....	4
6.2.6 Moving parts.....	4
6.2.7 Sealing caps.....	4
6.2.8 Dismantling and reassembling for servicing and/or adjustment.....	4
6.2.9 Auxiliary channels.....	4
6.3 Materials.....	5
6.3.1 General material requirements.....	5
6.3.2 Housing.....	5
6.3.3 Springs.....	5
6.3.4 Resistance to corrosion and surface protection.....	5
6.3.5 Impregnation.....	5
6.3.6 Seals for glands for moving parts.....	5
6.4 Gas connections.....	5
6.4.1 Making connections.....	5
6.4.2 Connection sizes.....	5
6.4.3 Threads.....	6
6.4.4 Union joints.....	6
6.4.5 Flanges.....	6
6.4.6 Compression fittings.....	6
6.4.7 Nipples for pressure tests.....	6
6.4.8 Strainers.....	6
7 Performance	7
7.1 General.....	7
7.2 Leak-tightness.....	7
7.2.1 Criteria.....	7
7.2.2 Test for leak-tightness.....	7
7.3 Torsion and bending.....	7
7.4 Rated flow rate.....	7
7.4.1 Criterion.....	7
7.4.2 Test for rated flow rate.....	8
7.5 Durability.....	8
7.6 Functional requirements.....	8
7.7 Endurance.....	14
7.7.1 Mechanical cycling.....	14
7.7.2 Thermal cycling.....	15

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8	EMC/electrical requirements	16
9	Marking, installation, and operating instructions	16
9.1	Marking	16
9.2	Installation and operating instructions	17
9.3	Warning notice	17
Annex A (informative)	Leak-tightness test — Volumetric method	18
Annex B (informative)	Leak-tightness test — Pressure-loss method	19
Annex C (normative)	Conversion of pressure loss into leakage rate	20
Annex D (normative)	Test for immunity to power-frequency magnetic fields	21
Annex E (normative)	Specific regional requirements in European countries	22
Annex F (normative)	Specific regional requirements in Canada and USA	23
Annex G (normative)	Specific regional requirements in Japan	25
Bibliography		26

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 161, *Control and protective devices for gas and/or oil burners and appliances*.

ISO 23551 consists of the following parts, under the general title *Safety and control devices for gas burners and gas-burning appliances — Particular requirements*:

- *Part 1: Automatic and semi-automatic valves*
- *Part 2: Pressure regulators*
- *Part 3: Gas/air ratio controls, pneumatic type*
- *Part 4: Valve-proving systems for automatic shut-off valves*
- *Part 5: Manual gas valves*
- *Part 6: Thermoelectric flame supervision controls*
- *Part 8: Multifunctional controls*
- *Part 9: Mechanical gas thermostats*

An additional part dealing with vent valves is planned.

Introduction

This part of ISO 23551 is designed to be used in combination with ISO 23550. This part of ISO 23551, together with ISO 23550, establishes the full requirements as they apply to the product covered by this International Standard. This part of ISO 23551 adapts ISO 23550, where needed, by stating “with the following modification”, “with the following addition”, “is replaced by the following”, or “is not applicable” in the corresponding clause. In order to identify specific requirements that are particular to this part of ISO 23551 that are not already covered by ISO 23550, this part of ISO 23551 may contain clauses or subclauses that are additional to the structure of ISO 23550. These clauses are numbered starting from 101 or, in the case of an Annex, are designated AA, BB, CC, etc.

In an attempt to develop an International Standard, it has been necessary to take into consideration the differing requirements resulting from practical experience and installation practices in various regions of the world and to recognize the variation in basic infrastructure associated with gas and/or oil controls and appliances, some of which are addressed in [Annex E](#) to [Annex G](#). This part of ISO 23551 intends to provide a basic framework of requirements that recognize these differences.