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Automatic steam traps — Marking

Purgeurs automatiques de vapeurs d'eau — Marquage

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Foreword

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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).

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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 World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 69, *Industrial valves*, in collaboration with ISO Technical Committee ISO/TC 153, *Valves*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 6553:1980), which has been technically revised with the marking updated to be in accordance with ISO 5209 and EN 19.

Introduction

The purpose of this document is to establish certain basic requirements for the marking of automatic steam traps, and to give recommendations for additional information markings.

This document has, in general, to be considered in conjunction with the specific requirements which may be agreed between the parties concerned.

Automatic steam traps — Marking

1 Scope

This document specifies mandatory and optional markings for automatic steam traps.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6552 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 General requirements

The specified markings shall be applied:

— either on the body, or

— on plates integral with the body or securely fixed on the body.

In no case shall the markings be hidden by the fixing elements of the steam trap.

5 Mandatory marking

The following items shall be marked on the automatic steam trap:

— manufacturer's name and/or trademark;

— maximum allowable pressure (bar or MPa)[1)];

— maximum allowable temperature (°C);

— indication of the flow direction (arrow);

— shell material designation;

— nominal size (DN or NPS);

— nominal pressure (PN or Class designation).

This marking is in compliance with ISO 5209 and EN 19. If a steam trap has no defined PN or Class designation, maximum allowable pressure and maximum allowable temperature are mandatory.

For PN or Class designated steam traps, it is permissible to omit the letters "DN" or "NPS" from the nominal size designation provided the PN or Class designation follows immediately after the size

1) 1 bar = 0,1 MPa.

number and is on the same line. For example, DN 50 PN 25 may be abbreviated to 50 PN 25 and NPS 2 Class 300 may be abbreviated to 2 CL 300.

NOTE For steam traps less than or equal to DN 50 or NPS 2, the shell material marking can be omitted.

6 Optional markings

The following items may be marked on the automatic steam trap:

— maximum operating pressure, or maximum differential pressure, according to the relative significance of each one;

— maximum test pressure (bar or MPa).

7 Additional markings

A manufacturer having complied with the requirements in Clause 4 to Clause 6 may

a) mark any of the items mentioned in Clause 5 and Clause 6 in more than one place,

EXAMPLE 1 If an item is marked on the body, it may also be repeated on the identification plate.

b) add any other markings.

EXAMPLE 2 Catalogue item numbers, provided that there is no risk of confusion between these markings and those mentioned in Clause 5 and Clause 6.

Bibliography

[1] ISO 5209, *General purpose industrial valves — Marking*

[2] ISO 6552, *Automatic steam traps — Definition of technical terms*

[3] EN 19, *Industrial valves — Marking of metallic valves*