**International Standard** 



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION® MEX CYHAPODHAR OPFAHИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ® ORGANISATION INTERNATIONALE DE NORMALISATION

## Automatic steam traps — Classification

Purgeurs automatiques de vapeur d'eau - Classification

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## iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 6704:1982 https://standards.iteh.ai/catalog/standards/sist/fddfe3a9-1edf-493b-a04f-17b52e09688c/iso-6704-1982

Descriptors : industrial valves, traps, steam, classifications.

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6704 was developed by Technical Committee ISO/TC 153, Valves, and was circulated to the member bodies in February 1980. Isiteh.ai

It has been approved by the member bodies of the following countries :

Australia Austria Belgium Brazil Canada China Czechoslovakia Denmark https://standards.iteh.ai/catalo Finland 17b52e0 France Germany, F.R. India Italy Korea, Rep. of Netherlands Norway

17b52c09b8cciso-6704-1982 Romania South Africa, Rep. of Sweden Switzerland United Kingdom USA USSR

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No member body expressed disapproval of the document.

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#### 1 Scope and field of application

ISO 6704:198 enclosure whilst remaining tight to live steam or, if necessary, allowing steam to flow at a predetermined rate.

The purpose of this International Standard is to establish a and sixthdes a simple classification of the main types of automatic steam traps/iso-6704-1982 according to the mode of actuation of their obturation device and disregarding their details of conception and construction.

#### 2 References

ISO 6552, Automatic steam traps - Terminology.

ISO 6553, Automatic steam traps – Marking.

ISO 6554, Flanged automatic steam traps – Face-to-face dimensions.

#### 3 Definition

For this International Standard, the following definition applies :

automatic steam trap: Self-contained valve which automatically drains the condensate from a steam-containing

#### 4 Classification

The types of traps defined hereunder are classified according to their mode of actuation; other traps, combining these different types (or of a new design) may be developed, but these traps shall not be regarded as a characteristic type of automatic steam traps in the sense of this International Standard.

If one considers the mode of actuation of the obturation device, three categories of automatic steam traps can be distinguished :

mechanical traps, actuated by the level of condensate (4.1);

- thermostatic traps, actuated by the temperature of condensate (4.2);

- thermodynamic traps, actuated by fluid dynamics (4.3).







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