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# International Standard



# 6554

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Flanged automatic steam traps — Face-to-face dimensions

*Purgeurs automatiques de vapeur d'eau, à brides — Dimensions face-à-face*

First edition — 1980-06-15

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UDC 621.186.6

Ref. No. ISO 6554-1980 (E)

**Descriptors** : safety valves, flanged valves, steam, traps, dimensions.

# 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 6554 was developed by Technical Committee ISO/TC 153, *General purpose industrial valves*, and was circulated to the member bodies in March 1979.

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

|           |                |                       |
|-----------|----------------|-----------------------|
| Australia | Germany, F. R. | South Africa, Rep. of |
| Belgium   | India          | Sweden                |
| Brazil    | Italy          | Switzerland           |
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| Chile     | Netherlands    | USA                   |
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| France    | Romanie        |                       |

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Czechoslovakia  
Japan

# Flanged automatic steam traps — Face-to-face dimensions

## 1 Scope and field of application

This International Standard specifies face-to-face dimensions for a range of automatic steam traps used in flanged pipe systems.

## 2 Definitions

**2.1 nominal size (DN)<sup>1)</sup>**: Numerical designation of size which is common to all components in a piping system other than components designated by outside diameters. It is a convenient round number used for reference purposes, and it is only loosely related to manufacturing dimensions. It is designated by the letters DN, followed by a number.

**2.2 face-to-face dimension**: The distance, expressed in millimetres, between the two planes, perpendicular to the trap axis, located at the extremities of the body end ports.

## 3 Dimensions

The six basic series of face-to-face dimensions for flanged automatic steam traps, expressed in millimetres, are given in the table for the nominal sizes ranging from DN 15 to DN 50 inclusive, and for pressures to PN 40 inclusive.

These figures apply only to the steam traps themselves, and not to the whole assembly (accessories included) as installed in the pipeline.

Table — Face-to-face dimensions

| DN \ FTF series n° | 1   | 2*  | 3   | 4*  | 5   | 6   |
|--------------------|-----|-----|-----|-----|-----|-----|
| 15                 | 150 | 170 | 210 | 230 | 290 | 480 |
| 20                 |     |     |     |     |     |     |
| 25                 | 160 | 210 | 230 | 310 | 380 | 580 |
| (32)               |     |     |     | 350 | 450 |     |
| 40                 | 230 | 270 | 320 | 420 | 490 | 680 |
| 50                 |     |     |     | 500 | 560 |     |

\* These two series apply only to models already existing.

NOTE — The nominal size presented between brackets in this table, (DN 32), is retained on a provisional basis and for a limited time.

1) In accordance with ISO 6708, at present at the stage of draft.