

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

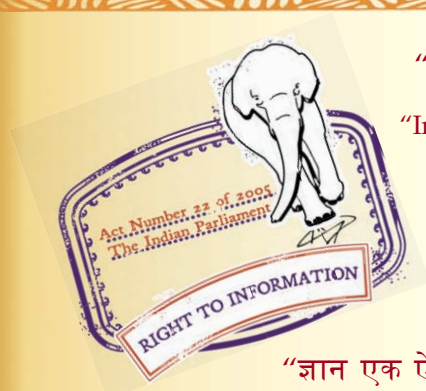
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

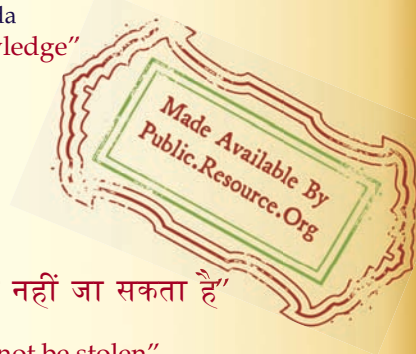
IS 10990-3 (2001): Technical Drawings - Simplified Representation of Pipelines, Part 3: Terminal Features of Ventilation and Drainage Systems [PGD 24: Drawings]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

तकनीकी ड्राइंग — पाइपलाइनों का सरलीकृत प्रस्तुतीकरण

भाग 3 संवातन और जल निकास प्रणाली की विशेषताएँ

Indian Standard

TECHNICAL DRAWINGS — SIMPLIFIED REPRESENTATION OF PIPELINES

PART 3 TERMINAL FEATURES OF VENTILATION AND DRAINAGE SYSTEMS

ICS 01.100.99; 23.040.01

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

NATIONAL FOREWORD

This Indian Standard (Part 3) which is identical with ISO 6412- 3 : 1993 'Technical drawings — Simplified representation of pipelines — Part 3 : Terminal features of ventilation and drainage systems' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of Drawings Sectional Committee and approval of the Basic and Production Engineering Division Council.

ISO 6412-1 and ISO 6412-2 were published in 1989 and accordingly adopted as IS 10990 (Part 1) : 1991 and ISO 10990 (Part 2) : 1992 respectively. Now ISO has published ISO 6412-3 : 1993. In view of the above, the committee may decide to adopt ISO 6412-3 : 1993. This standard (Part 3) specifies simplified representations used in technical drawings for terminal features of ventilation and drains in pipeline systems. Other parts of this series are given as follows:

IS 10990 (Part 1) : 1991	Technical drawings — Simplified representation of pipelines: Part 1 General rules and orthogonal representation (<i>first revision</i>)
IS 10990 (Part 2) : 1992	Technical drawings — Simplified representation of pipelines: Part 2 Isometric projections (<i>first revision</i>)

The text of ISO Standard has been approved as suitable for publication as Indian Standard without deviations. In this adopted standard, certain terminology and conventions are not identical to those used in the Indian Standards. Attention is particularly drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a full point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their place are listed below along with their degree of equivalence for the editions indicated :

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 5456-2 : 1996	IS 15021 (Part 2) : 2001 Technical drawings — Projection methods: Part 2 Orthographic representations	Identical
ISO 6412-1 : 1989	IS 10990 (Part 1) : 1991 Technical drawings — Simplified representation of pipelines: Part 1 General rules and orthogonal representation (<i>first revision</i>)	do

This adopted standard also gives Bibliography in Annex A which is informative. The corresponding Indian Standards against the ISO standards are given below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 128 : 1982	IS 10714 : 1983 General principles of presentation on technical drawings	Identical
ISO 5455 : 1979	IS 10713 : 1983 Scales for use on technical drawings	do

Indian Standard

TECHNICAL DRAWINGS — SIMPLIFIED REPRESENTATION OF PIPELINES

PART 3 TERMINAL FEATURES OF VENTILATION AND DRAINAGE SYSTEMS

1 Scope

This part of ISO 6412 specifies simplified representations used in technical drawings for terminal features of ventilation and drains in pipeline systems.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 6412. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 6412 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5456-2:—¹⁾, *Technical drawings — Projection methods — Part 2: Orthographic representations.*

ISO 6412-1:1989, *Technical drawings — Simplified representation of pipelines — Part 1: General rules and orthogonal representation.*

3 Design and representation

The simplified representations shown in clause 4 may be combined with graphical symbols, e.g. for actuators or pipes. General principles and additional graphical symbols are given in ISO 6412-1.

4 Simplified representation

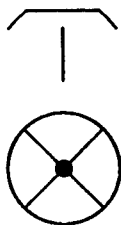
See table 1.

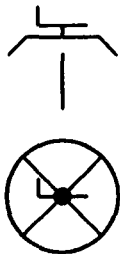
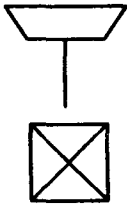
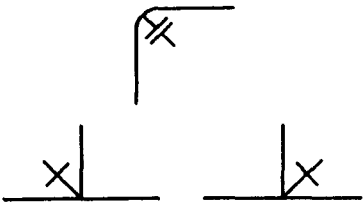
The terminal features listed under numbers 1 to 9 are each shown in two orthographic projection views [1.1, 2.1, 3.1 etc. are views from the front and 1.2, 2.2, 3.2 etc. are views from above (see ISO 5456-2)].

The terminal feature listed under number 10 applies to directional vanes in ducts. That in 10.1. shows a bent duct with two vanes and those in 10.2 show T-junction ducts with single vanes in opposing directions.

1) To be published.

Table 1

No.	Description	Simplified representation
1	Scupper	
1.1		
1.2		
2	Scupper with closing device	
2.1		
2.2		
3	Scupper with smell seal and closing device	
3.1		
3.2		
4	Air pipe (Goose neck)	
4.1		
4.2		
5	Wall ventilator cowl	
5.1		
5.2		
6	Mushroom ventilator NOTE — Where applicable with indication "with screen".	
6.1		
6.2		

No.	Description	Simplified representation
7	Mushroom ventilator with closing device	
7.1		
7.2		
8	Fixed ventilator cowl	
8.1		
8.2		
9	Turnable ventilator cowl	
9.1	Outlet or exhaust	
9.2	Inlet or supply	
10	Directional vane within a flow line (pipe or duct)	
10.1		
10.2		

Annex A (informative)

Bibliography

- [1] ISO 128:1982, *Technical drawings — General principles of presentation*.
- [2] ISO 5455:1979, *Technical drawings — Scales*.

Bureau of Indian Standards

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Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

This Indian Standard has been developed from Doc : No. BP 24 (0152).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters :

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110 002
Telephones : 323 01 31, 323 33 75, 323 94 02

Telegrams : Manaksanstha
(Common to all offices)

Regional Offices :

	Telephone
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110 002	{ 323 76 17 323 38 41
Eastern : 1/14 C.I.T. Scheme VII M, V. I. P. Road, Kankurgachi KOLKATA 700 054	{ 337 84 99, 337 85 61 337 86 26, 337 91 20
Northern : SCO 335-336, Sector 34-A, CHANDIGARH 160 022	{ 60 38 43 60 20 25
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