

Vacuum technology — Graphical symbols

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- Department of Trade (Marine Division)
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- Glass Manufacturers' Federation
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- Joint British Committee for Vacuum Science and Technology
- Ministry of Defence
- Science Research Council
- Science Research Council — Radio and Space Research Station
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Contents

	Page
Cooperating organizations	Inside front cover
Foreword	ii
1 Scope and field of application	1
2 Reference	1
3 General	1
4 Graphical symbols	1
4.1 Vacuum pumps	1
4.2 Baffles	3
4.3 Traps (condensers)	4
4.4 Pressure-measuring apparatus	4
4.5 Flowlines and connections	5
4.6 Valves	6
4.7 Vacuum chambers	7
Annex Example of the use of symbols	8
Publications referred to	Inside back cover

Foreword

This British Standard is identical with ISO 3753:1977 “*Vacuum technology — Graphical symbols*” and has been prepared under the direction of the Chemical Engineering Standards Committee. The United Kingdom has taken part in the work of Technical Committee ISO/TC 10, Technical drawings, as a member of Working Group ISO/TC 10/SC 2/WG 1, which was specifically formed to develop a standard on graphical symbols used in vacuum technology.

Terminology. The text of the International Standard has been accepted as suitable for publication, without deviation, as a British Standard. Certain terminology is used, however, that is not identical with that used in British Standards. Attention is therefore drawn to the following.

Where the words “International Standard”, relating to this publication appear, they should be interpreted as “British Standard”.

Cross-references. ISO 3529-II (at present at stage of draft) relates to informative matter only. Although BS 2951-1 is not an equivalent standard, it has been used as a basis for the Draft International Standard.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope and field of application

This International Standard provides graphical symbols for use in vacuum technology.

2 Reference

ISO 3529-II, *Vacuum technology — Vocabulary — Part II: Vacuum pumps and associated terms*¹⁾.

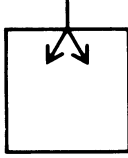
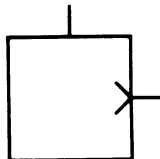
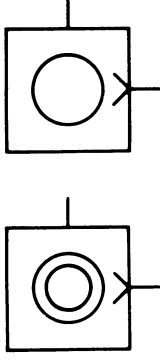
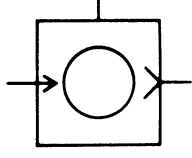
3 General

For convenience on drawings, it is permitted — with the exception of valves — to change the recommended positioning of inlets and outlets to devices, provided that this does not create confusion among the basic symbols.

The relative sizes of symbols in combination shall correspond approximately to those shown in the Annex.

4 Graphical symbols

4.1 Vacuum pumps

No.	Designation	Symbol
4.1	Vacuum pump (type unspecified) NOTE The arrows are optional and will be omitted when no confusion is possible with another symbol.	
4.1.1	<i>Positive displacement pump</i> (type unspecified)	
4.1.1.1	Sliding vane rotary vacuum pump or rotary piston vacuum pump NOTE One circle: single-stage; two circles: multistage.	
4.1.1.1.1	Gas ballast pump NOTE One circle: single-stage; two circles: multistage.	

¹⁾ At present at the stage of draft.