

Specification for

Plastics waste traps

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	Water Companies Association

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard.

BNF Metals Technology Centre	Electrical, Electronic, Telecommunications
British Bath Manufacturers' Association	Plumbing Union
British Lead Manufacturers' Association	Lead Trap Manufacturers
Copper Tube Fittings Manufacturers' Association	South London Consortium

This British Standard, having been prepared under the direction of the Building Services Standards Committee, was published under the authority of the Executive Board and comes into effect on 28 February 1979

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Foreword

This British Standard has been prepared under the direction of the Building Services Standards Committee in order to establish a set of performance standards with which plastics waste traps should comply and is a revision of the 1965 edition.

This British Standard is linked to BS 3380.

The form of specification in this British Standard is mainly based on performance requirements with specific design requirements for certain features of plastics traps. These are cross-sectional area of waterway, depth of seal, inlet connection, height of inlet, outlet connections, angle of outlet, access for cleaning and, for bath traps only, the connection to the overflow pipe.

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.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 10, 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.

Section 1. General

1 Scope

This British Standard covers the specific design and test requirements for plastics traps of 1¼, 1½ and 2 nominal size. The plastics traps are intended to be used for baths, basins, sinks, showers and other similar appliances and in particular for connecting to wastes complying with the requirements of BS 3380 and other wastes where the outlet has a B.S.P. thread form of 1¼, 1½ or 2 nominal size.

The traps are intended for receiving normal domestic intermittent discharges at temperatures not exceeding 100 °C. The information to be supplied by the purchaser is listed in Appendix A.

2 References

The titles of the publications referred to in this standard are listed on the inside back cover.

3 Definitions

For the purposes of this British Standard, the following definitions apply.

3.1 trap

a device designed to prevent, by means of a water seal, the passage of foul gases from a waste pipe into a building

3.2 bottle trap

a compact form of trap in which the division between the inlet and outlet legs is formed by a dip tube or vane within the body of the trap. The lower part of the trap is removable for access

3.3 dip tube bottle trap

a trap consisting of a body with an integrally moulded dip tube, the lower part of the tube being immersed in water to form the seal of the trap

3.4 “S” trap

a trap in which the outlet leg is parallel with the inlet leg

3.5 “P” trap

a trap in which, when the inlet leg is vertical, the outlet leg is inclined below the horizontal within the limits specified in this British Standard

3.6 water seal

the depth of water which would have to be removed from a fully charged trap before gases at atmospheric pressure can pass from a waste pipe through the trap

3.7 lip of trap

the lowest portion, inside a trap, of the barrier which enables a water seal to be provided

3.8 waste body

a threaded outlet pipe (with or without overflow slots) with a top flange and an integral grating

4 Materials and workmanship

The quality of workmanship, design and construction together with any plastics material used in the construction of a trap shall comply with all the test requirements of section 3 of this standard.

If metal is used for coupling nuts, the nuts shall be in accordance with types 51 and 52 of BS 3380.

5 Marking

Traps shall be legibly and indelibly marked with the following:

- a) nominal size;
- b) the manufacturer's name or mark;
- c) the number of this British Standard, i.e. BS 3943.

Section 2. Design requirements

6 Nominal size

Nominal size of plastics traps specified in this standard are designated as follows:

1¼, 1½ and 2

7 Cross-sectional area of waterway

The cross-sectional area of the waterway at any point throughout every plastics waste trap shall be not less than

640 mm² for 1¼ nominal size traps

958 mm² for 1½ nominal size traps

1 780 mm² for 2 nominal size traps

In addition, in the case of central dip tube bottle traps, the minimum distance between the bottom of the dip tube and the inner surface of the base of the trap shall be as shown in Figure 1.