

Code of practice for gas installation

AMENDMENT NO. 3

March 2023

1. Page 5, Clause 2 Normative references

Add the following normative references:

ASTM A234	Standard specification for piping fittings of wrought carbon steel and alloy steel for moderate and high temperature service”
BS EN 15266	Stainless steel pliable corrugated tubing kits in buildings for gas with an operating pressure up to 0.5 bar”
EN 13501-1	Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests”
SS 638	Code of practice for electrical installations

2. Page 10, Clause 4 Design

Add item (r) as follows:

- (r) Gas pipe shall not be used for earth connection or as a protective conductor for any circuit in an electrical or a supply installation. The main equipotential bonding of metallic gas pipes shall comply with SS 638.

3. Page 20, 6.7 Steel pipes and 6.8 Steel pipe fittings

Replace Clauses 6.7 and 6.8 with the following:

6.7 Steel pipes and fittings

The following are essential requirements:

- (a) Steel pipes shall comply with API Specification 5L Grade B.
- (b) Steel pipes shall be joined by welding and all welded joints shall be examined by a radiography in accordance with API 1104.
- (c) For slip-on flanges, where it is not possible to apply radiography, the weld shall be examined by the liquid penetration test or magnetic particle test in accordance with API 1104.
- (d) Examinations of welded joints and liquid penetration/magnetic particle tests shall be carried out by an accredited laboratory.
- (e) Pipes shall be suitably primed and protected with anti-corrosion paint.
- (f) Where pipes are buried, chased or used in corrosive situations, pipes shall be protected with hot-dip galvanising, suitably primed, coated with anti-corrosion paint and wrapped with anti-corrosion tape.

- (g) Steel fitting shall comply with ASTM A234.

6.8 Corrugated stainless steel tubing (CSST)

The following are essential requirements:

- (a) CSST shall comply with BS EN 15266.
- (b) CSST shall meet the requirement of Class B-s1-d0 for reaction to fire performance in accordance with EN 13501-1.
- (c) CSST shall be used for consumer's internal pipe in residential premises only.
- (d) CSST chased in wall shall be protected by metallic plate against accidental damage.
- (e) CSST if in false ceiling or enclosed space shall be provided with pipe sleeve.
- (f) The fittings shall be threaded according to BS EN 10226-1.
- (g) Tubing and fittings of different manufacturers shall not be interchangeable.
- (h) Assembly of the tubing and fittings shall be carried out in accordance with the manufacturer's instructions.