

Methods for

Determination of steam loss of automatic steam traps

The European Standard EN 27841:1991 has the status of a
British Standard

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The European Committee for Standardization (CEN), under whose supervision this European Standard was prepared, comprises the national standards organizations of the following countries.

Austria	Oesterreichisches Normungsinstitut
Belgium	Institut belge de normalisation
Denmark	Dansk Standardiseringsraad
Finland	Suomen Standardisoimisliitto, r.y.
France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Iceland	Technological Institute of Iceland
Ireland	National Standards Authority of Ireland
Italy	Ente Nazionale Italiano di Unificazione
Luxembourg	Inspection du Travail et des Mines
Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
Portugal	Instituto Português da Qualidade
Spain	Asociación Española de Normalización y Certificación
Sweden	Standardiseringskommissionen i Sverige
Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

This British Standard was published under the authority of the Standards Board and comes into effect on 29 November 1991

© BSI 11-1999

The following BSI references relate to the work on this standard:
Committee reference PSE/7
Draft for comment 85/73145 DC

ISBN 0 580 20221 6

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Foreword	2
Text of EN 27841	3
National appendix NA (informative)	Inside back cover
National appendix NB (informative)	Inside back cover

National foreword

This British Standard has been prepared under the direction of the Piping Systems Components Standards Policy Committee. It is the English language version of EN 27841:1991 “*Automatic steam traps — Determination of steam loss — Test methods*” published by the European Committee for Standardization (CEN). It supersedes BS 6027:1990 which is withdrawn. EN 27841:1991 is identical with ISO 7841:1988 published by the International Organization for Standardization (ISO).

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, the EN title page, pages 2 to 14, 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.

UDC 621.646.9.057:621.186.1:620.1

Descriptors: Industrial valves, traps: drainage, water vapour, steam, tests, measurements, head losses

English version

Automatic steam traps — Determination of steam loss — Test methods

(ISO 7841:1988)

Purgeurs automatiques de vapeur d'eau —
Détermination de la perte de vapeur —
Méthodes d'essai
(ISO 7841:1988)

Kondensatableiter — Bestimmung des
Dampfverlustes — Prüfverfahren
(ISO 7841:1988)

This European Standard was approved by CEN on 30 September 1991 and is identical to the ISO standard as referred to.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

© CEN 1991 Copyright reserved to all CEN members

Foreword

On the proposal of the Technical Committee CEN/TC 69 “Industrial Valves” CEN BT has decided by resolution C67/1990 to submit the International Standard.

ISO 7841:1988: Automatic steam traps — Determination of steam loss — Test methods to Formal Vote.

This European Standard was adopted by CEN on 5 August 1991.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

Endorsement

The text of the International Standard ISO 7481:1988 was approved by CEN as a European Standard without any modifications.

Contents

	Page
Foreword	2
1 Scope and field of application	3
2 References	3
3 Test arrangements	3
4 Test method A	3
5 Test method B	8
6 Bibliography	13
Figure 1 — Test arrangement for steam loss tests with test method A	4
Figure 2 — Test arrangement for steam loss tests with test method B	9