



NSAI
Standards

Irish Standard
I.S. EN 15092:2008

Building valves - Inline hot water supply tempering valves - Tests and requirements

© NSAI 2008

No copying without NSAI permission except as permitted by copyright law.

I.S. EN 15092:2008

Incorporating amendments/corrigenda issued since publication:

<i>This standard replaces:</i>	<i>This standard is based on:</i> EN 15092:2008	<i>Published:</i> 25 June, 2008
This Irish Standard was published under the authority of the NSAI and comes into effect on: 13 August, 2008		ICS number: 91.140.60
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Price Code: J		
Údarás um Chaighdeáin Náisiúnta na hÉireann		

I.S. EN 15092:2008

EUROPEAN STANDARD

EN 15092

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2008

ICS 91.140.60

English Version

Building valves - Inline hot water supply tempering valves - Tests and requirements

Robinetterie des bâtiments - Vannes mélangeuses en ligne
d'alimentation en eau chaude - Essais et exigences

Gebäudearmaturen - Thermostatische Mischer für
Warmwasserbereiter - Prüfungen und Anforderungen

This European Standard was approved by CEN on 29 May 2008.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Materials and surface finishes	7
4.1 General.....	7
4.2 Nature of materials	7
5 Design and dimensional requirements	8
5.1 Backflow prevention.....	8
5.2 Dimensional characteristics	8
5.3 Set temperature adjustment	10
5.4 Temperature override function.....	10
6 Mechanical tests and requirements	10
6.1 Body strength test	10
6.2 Bending moment test for tempering valves.....	10
6.3 Torque tests for temperature stops	11
7 Performance tests and requirements	12
7.1 General.....	12
7.2 Standard test conditions.....	12
7.3 Verification of valve temperature settings	13
7.4 Determination of minimum flow rate	14
7.5 Test for temperature stability starting from ambient.....	16
7.6 Test for temperature stability with changing flow rates.....	17
7.7 Test for thermal shutoff with cold water supply failure.....	18
7.8 Test for temperature stability with changing inlet pressure	18
7.9 Test for temperature stability with changing inlet temperature	19
7.10 Endurance test on the thermostat	20
8 Acoustic tests and requirements	21
8.1 General.....	21
8.2 Test method.....	21
8.3 Expression of results	21
8.4 Requirements	21
9 Classification.....	21
10 Designation	21
11 Marking	22
11.1 Temperature marking	22
11.2 Flow marking.....	22
11.3 Identification marking	22
12 Instructions	22
Annex A (informative) Apparatus for endurance test on thermostat.....	24
Annex B (informative) Apparatus for performance test	26
Annex C (normative) Measurement of parameters.....	28
Annex D (informative) Temperature transient requirements	29
Bibliography	30

Foreword

This document (EN 15092:2008) has been prepared by Technical Committee CEN/TC 164 "Water supply", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

In respect of potential adverse effect on the quality of water intended for human consumption, caused by the product covered by this European Standard:

- a) this European Standard provides no information as to whether the product may be used without restriction in any of the Member States of the EU or EFTA;
- b) it should be noted that, while awaiting the adoption of verifiable European criteria, existing national regulations concerning the use and/or the characteristics of this product remain in force.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-