

Refrigerating systems and heat pumps — Flexible pipe elements, vibration isolators, expansion joints and non-metallic tubes — Requirements, design and installation

ICS 27.080;27.200

National foreword

This British Standard is the UK implementation of EN 1736:2008. It supersedes BS EN 1736:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RHE/18, Refrigeration safety.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Refrigerating systems and heat pumps - Flexible pipe elements,
vibration isolators, expansion joints and non-metallic tubes -
Requirements, design and installation**

Systèmes de réfrigération et pompes à chaleur - Eléments
flexibles de tuyauterie, isolateurs de vibration, joints de
dilatation et tubes non métalliques - Exigences, conception
et installation

Kälteanlagen und Wärmepumpen - Flexible
Rohrleitungsteile, Schwingungsabsorber, Kompensatoren
und Nichtmetall-Schläuche - Anforderungen, Konstruktion
und Einbau

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Foreword

This document (EN 1736:2008) has been prepared by Technical Committee CEN/TC 182 “Refrigerating systems, safety and environmental requirements”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

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Introduction

The use of flexible pipe elements is required where impermissible stresses are to be eliminated from refrigerating circuits and pipe expansion or relative movements of components are to be absorbed.

The use of flexible pipe elements should not be specified unless it is necessary in the design of refrigerant circuits. If necessary, they should be designed and installed in accordance with this standard.

Flexible pipe elements are often the weakest part of a refrigerating system and the part most likely to suffer from fatigue or stress corrosion cracking.