



BSI Standards Publication

District heating and district cooling pipes — Bonded pipe systems for directly buried hot and cold water networks

Part 2: Factory made steel service valve assembly for steel service pipes,
polyurethane thermal insulation and a casing of polyethylene

National foreword

This British Standard is the UK implementation of EN 488-2:2025.

The UK participation in its preparation was entrusted to Technical Committee RHE/9, Insulated underground pipelines.

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

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Published by BSI Standards Limited 2025

ISBN 978 0 539 27744 9

ICS 23.040.07; 23.060.01

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2025.

Amendments/corrigenda issued since publication

Date	Text affected
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English Version

District heating and district cooling pipes - Bonded pipe systems for directly buried hot and cold water networks - Part 2: Factory made steel service valve assembly for steel service pipes, polyurethane thermal insulation and a casing of polyethylene

Tuyaux de chauffage urbain et réseaux d'eau glacée - Systèmes bloqués de tuyaux préisolés pour les réseaux d'eau chaude et froide enterrés directement - Partie 2 : Assemblages d'appareils de robinetterie en acier manufacturés pour vidanges et purges, isolation thermique en polyuréthane et enveloppe en polyéthylène

Fernwärme- und Fernkälterohre - Rohr-Verbundsysteme für erdverlegte Fernwärme- und Fernkältenetze - Teil 2: Werkmäßig gefertigte Baueinheiten für Wartungsarmaturen aus Stahl für Stahlmediumrohre, einer Wärmedämmung aus Polyurethan und einer Ummantelung aus Polyethylen

This European Standard was approved by CEN on 27 January 2025.

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European foreword

This document (EN 488-2:2025) has been prepared by Technical Committee CEN/TC 107 “District heating and cooling systems”, the secretariat of which is held by DS.

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of an identical text or by endorsement, at the latest by month year of DOP, and conflicting national standards shall be withdrawn at the latest by month year of DOW.

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The EN 488 series is currently composed of the following parts:

- EN 488-1, *District heating pipes – Bonded single pipe systems for directly buried hot water networks – Part 1: Factory made steel shut-off valve assembly for steel service pipes, polyurethane thermal insulation and a casing of polyethylene*;
- EN 488-2, *District heating pipes – Bonded single pipe systems for directly buried hot water networks – Part 2: Factory made steel service valve assembly for steel service pipes, polyurethane thermal insulation and a casing of polyethylene* (this document).

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Introduction

Other standards from CEN/TC 107 are:

- EN 253, *District heating pipes — Bonded single pipe systems for directly buried hot water networks — Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and a casing of polyethylene*
- EN 448, *District heating pipes — Bonded single pipe systems for directly buried hot water networks — Factory made fitting assemblies of steel service pipes, polyurethane thermal insulation and a casing of polyethylene*
- EN 488-1, *District heating pipes — Bonded single pipe systems for directly buried hot water networks — Part 1: Factory made steel shut-off valve assembly for steel service pipes, polyurethane thermal insulation and a casing of polyethylene;*
- EN 489-1, *District heating pipes — Bonded single and twin pipe systems for buried hot water networks — Part 1: Joint casing assemblies and thermal insulation for hot water networks in accordance with EN 13941-1;*
- EN 13941-1, *District heating pipes — Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks — Part 1: Design*
- EN 13941-2, *District heating pipes — Design and installation of thermal insulated bonded single and twin pipe systems for directly buried hot water networks — Part 2: Installation*
- EN 14419, *District heating pipes — Bonded single and twin pipe systems for buried hot water networks — Surveillance systems*
- EN 15632 (all parts), *District heating pipes — Factory made flexible pipe systems*
- EN 15698-1, *District heating pipes — Bonded twin pipe systems for directly buried hot water networks — Part 1: Factory made twin pipe assembly of steel service pipes, polyurethane thermal insulation and one casing of polyethylene*
- EN 15698-2, *District heating pipes — Bonded twin pipe systems for directly buried hot water networks — Part 2: Factory made fitting and valve assemblies of steel service pipes, polyurethane thermal insulation and one casing of polyethylene*
- EN 17248, *District heating and district cooling pipe systems — Terms and definitions*
- EN 17414 (all parts), *District cooling pipes — Factory made flexible pipe systems*
- EN 17415 (all parts), *District cooling pipes — Bonded single pipe systems for directly buried cold water networks*
- EN 17878 (all parts), *District heating pipes — Factory made flexible pipe systems with a lower temperature profile*

Waste management and recycling of materials is dealt with in Annex B.