



**BSI Standards Publication**

**Tanks for the transport of dangerous goods — Tank equipment for the transport of liquid chemicals and liquefied gases — Product discharge and air inlet valves**

---

## National foreword

This British Standard is the UK implementation of EN 14432:2023. It supersedes BS EN 14432:2014, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/18, Tanks for the transport of dangerous goods.

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

### Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2023  
Published by BSI Standards Limited 2023

ISBN 978 0 539 21221 1

ICS 13.300; 23.020.20; 23.060.99

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2023.

### Amendments/corrigenda issued since publication

| Date | Text affected |
|------|---------------|
|------|---------------|

---

English Version

**Tanks for the transport of dangerous goods - Tank  
equipment for the transport of liquid chemicals and  
liquefied gases - Product discharge and air inlet valves**

Citernes destinées au transport de matières  
dangereuses - Équipements de la citerne pour le  
transport de produits chimiques liquides et de gaz  
liquéfié - Vannes de mise en pression de la citerne ou  
de vidange du produit

Tanks für die Beförderung gefährlicher Güter -  
Ausrüstung für Tanks für die Beförderung von  
flüssigen Chemieprodukten und Flüssiggasen -  
Produktabsperr- und Gaswechselventile

This European Standard was approved by CEN on 21 May 2023.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## Contents

Page

|                                                            |    |
|------------------------------------------------------------|----|
| European foreword.....                                     | 3  |
| 1 Scope .....                                              | 4  |
| 2 Normative references .....                               | 4  |
| 3 Terms and definitions .....                              | 5  |
| 4 Design and materials .....                               | 6  |
| 4.1 General.....                                           | 6  |
| 4.2 Design.....                                            | 6  |
| 4.3 Materials.....                                         | 6  |
| 5 Welding.....                                             | 7  |
| 5.1 Qualification.....                                     | 7  |
| 5.2 Welded joints.....                                     | 7  |
| 6 Test media .....                                         | 7  |
| 6.1 Hydraulic tests .....                                  | 7  |
| 6.2 Pneumatic tests.....                                   | 7  |
| 7 Type tests .....                                         | 7  |
| 7.1 General.....                                           | 7  |
| 7.2 Valve casing hydraulic pressure test .....             | 7  |
| 7.3 Valve assembly pressure test .....                     | 8  |
| 7.4 Valve assembly pneumatic tightness test.....           | 8  |
| 7.5 Cyclic test.....                                       | 8  |
| 8 Production tests.....                                    | 8  |
| 8.1 General.....                                           | 8  |
| 8.2 Function test .....                                    | 8  |
| 8.3 Valve casing pressure test.....                        | 8  |
| 8.4 Valve assembly pneumatic tightness test.....           | 9  |
| 9 Marking.....                                             | 9  |
| 10 Supply requirements .....                               | 9  |
| 10.1 Order information .....                               | 9  |
| 10.2 Installation and operation .....                      | 9  |
| Annex A (normative) Verification of valve design type..... | 10 |
| Annex B (informative) Dry Disconnect Couplings.....        | 11 |
| Bibliography.....                                          | 12 |

## European foreword

This document (EN 14432:2023) has been prepared by Technical Committee CEN/TC 296 “Tanks for transport of dangerous goods”, 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 January 2024, and conflicting national standards shall be withdrawn at the latest by January 2024.

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

This document supersedes EN 14432:2014.

This document has been submitted for reference in:

- the RID; and
- the technical annexes of the ADR.

**NOTE** These regulations take precedence over any clause of this document. It is emphasized that RID/ADR are being revised regularly at intervals of two years which may lead to temporary non-compliances of the clauses of this document with the regulations.

The main changes compared to the previous edition are listed below:

- a) the Scope has been revised;
- b) Normative references have been updated;
- c) the definition and source for 3.4 has been changed;
- d) former Clause 4 “functions” has been removed;
- e) revision of Clause 4 “Design and materials”;
- f) a new Clause 5 “Welding” has been introduced;
- g) a new Annex B “dry disconnect couplings” has been introduced.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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