

SLOVENSKI STANDARD

SIST EN 17692:2025

01-september-2025

Kotli za centralno ogrevanje - Specifikacija za posredno ogrevane, neprezračevane (zaprte) rezervoarje pod tlakom - Zahteve, preskušanje in označevanje

Central heating boilers - Specification for indirectly heated unvented (closed) pressurized buffer tanks - Requirements, testing and marking

Zentralheizungskessel - Beschreibungen für indirekt beheizte, unbelüftete (geschlossene), unter Druck stehende Pufferspeicher - Anforderungen, Prüfung und Kennzeichnung

(<https://standards.iteh.ai>)

Chaudières de chauffage central - Spécification principale pour ballons tampons pressurisés métalliques non ouverts à l'air libre (fermés) - Exigences, essais et marquage

SIST EN 17692:2025

<http://Ta slovenski standard je istoveten z:d414 EN 17692:202587-d0dafad9ad03/sist-en-17692-2025>

ICS:

| | | |
|-----------|-------------------------------------|-----------------------------|
| 27.060.30 | Grelniki vode in prenosniki toplote | Boilers and heat exchangers |
| 91.140.10 | Sistemi centralnega ogrevanja | Central heating systems |

SIST EN 17692:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 17692

May 2025

ICS 91.140.10

English Version

**Central heating boilers - Specification for indirectly heated
unvented (closed) pressurized buffer tanks -
Requirements, testing and marking**

Chaudières de chauffage central - Spécification principale pour ballons tampons pressurisés métalliques non ouverts à l'air libre (fermés) - Exigences, essais et marquage

Zentralheizungskessel - Festlegungen für indirekt beheizte, unbelüftete (geschlossene), unter Druck stehende Pufferspeicher - Anforderungen, Prüfung und Kennzeichnung

This European Standard was approved by CEN on 13 February 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.

<https://standards.nieh.ai/catalog/standards/sist/0d4143ca-f029-4e73-ba87-d0dafad9ad03/sist-en-17692-2025>



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 | 4 |
| 1 Scope..... | 5 |
| 2 Normative references..... | 5 |
| 3 Terms, definitions and symbols | 5 |
| 3.1 Terms and definitions..... | 5 |
| 3.2 Symbols | 8 |
| 4 Requirements..... | 8 |
| 4.1 Risk assessment | 8 |
| 4.2 Initial type tests..... | 8 |
| 4.2.1 General..... | 8 |
| 4.2.2 Pressure resistance of the shell..... | 8 |
| 4.2.3 Pressure resistance of the secondary system of the buffer tank..... | 9 |
| 4.2.4 Pressure resistance of the heat exchanger(s) | 9 |
| 4.2.5 Durability..... | 9 |
| 4.2.6 Leak tightness | 9 |
| 4.3 Technical design requirements..... | 9 |
| 4.3.1 Hydraulic connections | 9 |
| 4.3.2 Venting..... | 9 |
| 4.3.3 Draining..... | 9 |
| 4.3.4 Temperature control..... | 9 |
| 4.3.5 Mounting of the insulation | 9 |
| 4.3.6 Thermal insulation..... | 10 |
| 4.4 Safety devices | 10 |
| 4.4.1 Pressure safety valves..... | 10 |
| 4.4.2 Energy shut-off device..... | 10 |
| 4.4.3 Temperature safety valve | 10 |
| 4.5 Operational control..... | 10 |
| 4.5.1 Temperature control..... | 10 |
| 4.5.2 Measures to accommodate expansion | 10 |
| 4.6 Rated volume V_r..... | 11 |
| 4.7 Effect of the materials on the drinking water quality and hygiene | 11 |
| 4.8 Energy assessment | 11 |
| 4.8.1 General..... | 11 |
| 4.8.2 Requirements on the test rig | 11 |
| 4.8.3 Measurements for the energy assessment | 11 |
| 5 Test methods | 11 |
| 5.1 General..... | 11 |
| 5.2 Initial type test..... | 12 |
| 5.2.1 General..... | 12 |
| 5.2.2 Actual storage volume V..... | 12 |
| 5.2.3 Drinking water volume with combined storage tanks..... | 12 |
| 5.2.4 Durability test | 12 |
| 5.2.5 Pressure resistance | 12 |
| 5.2.6 Leakage test of the straight-tube heat exchanger | 13 |
| 5.2.7 Standing loss | 14 |