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COMMISSION IMPLEMENTING DECISION (EU) 2025/165

of 30 January 2025

on the harmonised standards for pressure equipment drafted in support of Directive 2014/68/EU of the European Parliament and of the Council

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council ([1]), and in particular Article 10(6) thereof,

Whereas:

(1) In accordance with Article 12 of Directive 2014/68/EU of the European Parliament and of the Council ([2]), pressure equipment or assemblies referred to in Article 4(1) and (2) of that Directive, which are in conformity with harmonised standards or parts thereof the references of which have been published in the *Official Journal of the European Union*, are to be presumed to be in conformity with the essential safety requirements set out in Annex I to that Directive covered by those standards or parts thereof.

(2) By Implementing Decision C(2024) 1241 ([3]), the Commission made a request to the European Committee for Standardization (CEN) and the European Committee for Electrotechnical Standardization (Cenelec) for the revision of existing harmonised standards and the completion of the work on draft harmonised standards in support of Directive 2014/68/EU.

(3) On the basis of the request set out in Implementing Decision C(2024) 1241, CEN revised and amended the following harmonised standard: EN 19:2016 for industrial valves. This resulted in the adoption of the amending standard EN 19:2023. CEN also revised standards EN 12952-3:2011, EN 12952-8:2002, EN 12952-9:2002 and EN 12952-16:2002 for water-tube boilers and auxiliary installations. This resulted in the adoption of the following amending standards: EN 12952-3:2022, EN 12952-8:2022, EN 12952-9:2022 and EN 12952-16:2022. CEN further revised standard EN 15001-1:2009 for gas infrastructure, resulting in the revised standard EN 15001-1:2023. CEN also revised standard EN 15776:2011+A1:2015 for unfired pressure vessels, which resulted in the revised standard EN 15776:2022. CEN finally revised standards EN 13445-2:2021 and EN 13445-4:2021 for unfired pressure vessels, resulting in the revised standards EN 13445-2:2021+A1:2023 and EN 13445-4:2021 +A1:2023. On the basis of Implementing Decision C(2024)1241 CEN drafted new harmonised standard EN 13480-3:2017/A5:2022 for metallic industrial piping, EN 13799:2022 for LPG equipment and accessories and EN 12261:2024 for gas meters.

(4) The Commission together with CEN has assessed whether the standards on pressure equipment as drafted, amended or revised by CEN comply with the request set out in Implementing Decision C(2024) 1241.

([1]) OJ L 316, 14.11.2012, p. 12, ELI: http://data.europa.eu/eli/reg/2012/1025/oj.

([2]) Directive 2014/68/EU of the European Parliament and the Council of 15 May 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of pressure equipment (OJ L 189, 27.6.2014, p. 164, ELI: http://data.europa.eu/eli/dir/2014/68/oj).

([3]) Commission Implementing Decision C(2024) 1241 final of 1 March 2024 on a standardisation request to the European Committee for Standardization and the European Committee for Electrotechnical Standardization as regards pressure equipment and assemblies in support of Directive 2014/68/EU of the European Parliament and of the Council.

(5) Those standards satisfy the requirements which they aim to cover, and which are set out in Annex I to Directive 2014/68/EU. It is therefore appropriate to publish the references of those standards in the *Official Journal of the European Union*.

(6) In order to give manufacturers sufficient time to adapt their products to the revised versions of harmonised standards EN 19:2016, EN 12952-3:2011, EN 12952-8:2002, EN 12952-9:2002, EN 12952-16:2002, EN 15001-1:2009, EN 15776:2011+A1:2015, EN 13445-2:2021, EN 13445-4:2021 and EN 13480-3:2017 it is necessary to defer the withdrawal of the reference of those standards.

(7) The references of harmonised standards drafted in support of Directive 2014/68/EU are published in Commission Implementing Decision (EU) 2019/1616 ([4]) and Communication 2017/C 389/01 ([5]). In the interests of clarity and rationality, a complete list of references of harmonised standards drafted in support of Directive 2014/68/EU and satisfying the requirements they aim to cover should be published in a single legal act.

(8) Consequently, the references to harmonised standards published in Implementing Decision (EU) 2019/1616 and Communication 2017/C 389/01 should be published in an Annex to this Decision and both Implementing Decision (EU) 2019/1616 and Communication 2017/C 389/01 should be repealed.

(9) However, Communication 2017/C 389/01 should continue to apply to the references of the harmonised standards EN 19:2016, EN 12952-3:2011, EN 12952-8:2002, EN 12952-9:2002, EN 12952-16:2002, EN 15001-1:2009 and EN 15776:2011+A1:2015, and Implementing Decision (EU) 2019/1616 should continue to apply to the references of the harmonised standards EN 13445-2:2021, EN 13445-4:2021 and EN 13480-3:2017 until the date of withdrawal of those references.

(10) Compliance with a harmonised standard confers a presumption of conformity with the corresponding essential requirements set out in Union harmonisation legislation from the date of publication of the reference of such standard in the *Official Journal of the European Union*. This Decision should therefore enter into force on the day of its publication,

HAS ADOPTED THIS DECISION:

Article 1

The references of harmonised standards for pressure equipment or assemblies drafted in support of Directive 2014/68/EU, listed in Annex I to this Decision, are hereby published in the *Official Journal of the European Union*.

Article 2

Communication 2017/C 389/01 is repealed.

However, it shall continue to apply with respect to the references of the harmonised standards listed in Annex II to this Decision until the date of withdrawal of those references set out in that Annex.

Article 3

Implementing Decision (EU) 2019/1616 is repealed.

([4]) Commission Implementing Decision (EU) 2019/1616 of 27 September 2019 on the harmonised standards for pressure equipment drafted in support of Directive 2014/68/EU of the European Parliament and of the Council (OJ L 250, 30.9.2019, p. 95, ELI: http://data.europa.eu/eli/dec_impl/2019/1616/oj).

([5]) Commission communication in the framework of the implementation of Directive 2014/68/EU of the European Parliament and of the Council on the harmonisation of the laws of the Member States relating to the making available on the market of pressure equipment (Publication of titles and references of harmonised standards under Union harmonisation legislation) (OJ C 389, 17.11.2017, p. 1).

However, it shall continue to apply with respect to the references of the harmonised standards listed in Annex III to this Decision until the date of withdrawal of those references set out in that Annex.

Article 4

This Decision shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.

Done at Brussels, 30 January 2025.

For the Commission
The President
Ursula VON DER LEYEN

ANNEX I

No	Reference of the standard
1.	EN 3-8:2021 Portable fire extinguishers – Part 8: Requirements for the construction, pressure resistance and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 3-7
2.	EN 19:2023 Industrial valves – Marking of metallic valves
3.	EN 267:2009+A1:2011 Automatic forced draught burners for liquid fuels
4.	EN 334:2005+A1:2009 Gas pressure regulators for inlet pressures up to 100 bar
5.	EN 378-2:2016 Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation
6.	EN 593:2017 Industrial valves – Metallic butterfly valves for general purposes
7.	EN 676:2003+A2:2008 Automatic forced draught burners for gaseous fuels EN 676:2003+A2:2008/AC:2008
8.	EN 764-4:2014 Pressure equipment – Part 4: Establishment of technical delivery conditions for metallic materials
9.	EN 764-5:2014 Pressure equipment – Part 5: Inspection documentation of metallic materials and compliance with the material specification
10.	EN 764-7:2002 Pressure equipment – Part 7: Safety systems for unfired pressure equipment EN 764-7:2002/AC:2006
11.	EN 1057:2006+A1:2010 Copper and copper alloys – Seamless, round copper tubes for water and gas in sanitary and heating applications
12.	EN 1092-1:2018 Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 1: Steel flanges
13.	EN 1092-3:2003 Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 3: Copper alloy flanges EN 1092-3:2003/AC:2007
14.	EN 1092-4:2002 Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 4: Aluminium alloy flanges
15.	EN 1171:2015 Industrial valves – Cast iron gate valves
16.	EN 1349:2009 Industrial process control valves

No	Reference of the standard
17.	EN 1515-4:2021 Flanges and their joints – Bolting – Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 2014/68/EU
18.	EN 1562:2019 Founding – Malleable cast irons
19.	EN 1563:2018 Founding – Spheroidal graphite cast irons
20.	EN 1564:2011 Founding – Ausferritic spheroidal graphite cast irons
21.	EN 1591-1:2013 Flanges and their joints – Design rules for gasketed circular flange connections – Part 1: Calculation
22.	EN 1626:2008 Cryogenic vessels – Valves for cryogenic service
23.	EN 1653:1997 Copper and copper alloys – Plate, sheet and circles for boilers, pressure vessels and hot water storage units EN 1653:1997/A1:2000
24.	EN 1759-3:2003 Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, Class designated – Part 3: Copper alloy flanges EN 1759-3:2003/AC:2004
25.	EN 1759-4:2003 Flanges and their joint – Circular flanges for pipes, valves, fittings and accessories, class designated – Part 4: Aluminium alloy flanges
26.	EN 1797:2001 Cryogenic vessels – Gas/material compatibility
27.	EN 1866-2:2014 Mobile fire extinguishers – Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1
28.	EN 1866-3:2013 Mobile fire extinguishers – Part 3: Requirements for the assembly, construction and pressure resistance of CO_2 extinguishers which comply with the requirements of EN 1866-1
29.	EN 1983:2013 Industrial valves – Steel ball valves
30.	EN 1984:2010 Industrial valves – Steel gate valves
31.	EN ISO 4126-1:2013 Safety devices for protection against excessive pressure – Part 1: Safety valves (ISO 4126-1:2013) EN ISO 4126-1:2013/A2:2019
32.	EN ISO 4126-2:2019 Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices (ISO 4126-2:2018)
33.	EN ISO 4126-3:2020 Safety devices for protection against excessive pressure – Part 3: Safety valves and bursting disc safety devices in combination (ISO 4126-3:2020)

No	Reference of the standard
34.	EN ISO 4126-4:2013 Safety devices for protection against excessive pressure – Part 4: Pilot-operated safety valves (ISO 4126-4:2013)
35.	EN ISO 4126-5:2013 Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2013)
36.	EN ISO 4126-7:2013 Safety devices for protection against excessive pressure – Part 7: Common data (ISO 4126-7:2013)
37.	EN ISO 9606-1:2017 Qualification testing of welders – Fusion welding – Part 1: Steels (ISO 9606-1:2012 including Cor 1:2012 and Cor 2:2013)
38.	EN ISO 9606-2:2004 Qualification test of welders – Fusion welding – Part 2: Aluminium and aluminium alloys (ISO 9606-2:2004)
39.	EN ISO 9606-3:1999 Approval testing of welders – Fusion welding – Part 3: Copper and copper alloys (ISO 9606-3:1999)
40.	EN ISO 9606-4:1999 Approval testing of welders – Fusion welding – Part 4: Nickel and nickel alloys (ISO 9606-4:1999)
41.	EN ISO 9606-5:2000 Approval testing of welders – Fusion welding – Part 5: Titanium and titanium alloys, zirconium and zirconium alloys (ISO 9606-5:2000)
42.	EN ISO 9712:2022 Non-destructive testing – Qualification and certification of NDT personnel (ISO 9712:2021)
43.	EN 10028-1:2017 Flat products made of steels for pressure purposes – Part 1: General requirements
44.	EN 10028-2:2017 Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties
45.	EN 10028-3:2017 Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized
46.	EN 10028-4:2017 Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties
47.	EN 10028-5:2017 Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled
48.	EN 10028-6:2017 Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered
49.	EN 10028-7:2016 Flat products made of steels for pressure purposes – Part 7: Stainless steels
50.	EN 10204:2004 Metallic products – Types of inspection documents
51.	EN 10213:2007+A1:2016 Steel castings for pressure purposes

No	Reference of the standard
52.	EN 10216-1:2013 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 1: Non-alloy steel tubes with specified room temperature properties
53.	EN 10216-2:2013 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties
54.	EN 10216-3:2013 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 3: Alloy fine grain steel tubes
55.	EN 10216-4:2013 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 4: Non-alloy and alloy steel tubes with specified low temperature properties
56.	EN 10216-5:2021 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 5: Stainless steel tubes
57.	EN 10217-1:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 1: Electric welded and submerged arc welded non-alloy steel tubes with specified room temperature properties
58.	EN 10217-2:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties
59.	EN 10217-3:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 3: Electric welded and submerged arc welded alloy fine grain steel tubes with specified room, elevated and low temperature properties
60.	EN 10217-4:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 4: Electric welded non-alloy steel tubes with specified low temperature properties
61.	EN 10217-5:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 5: Submerged arc welded non-alloy and alloy steel tubes with specified elevated temperature properties
62.	EN 10217-6:2019 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties
63.	EN 10217-7:2021 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 7: Stainless steel tubes
64.	EN 10222-1:2017 Steel forgings for pressure purposes – Part 1: General requirements for open die forgings
65.	EN 10222-2:2017+A1:2021 Steel forgings for pressure purposes – Part 2: Ferritic and martensitic steels with specified elevated temperatures properties
66.	EN 10222-3:2017 Steel forgings for pressure purposes – Part 3: Nickel steels with specified low temperature properties
67.	EN 10222-4:2017+A1:2021 Steel forgings for pressure purposes – Part 4: Weldable fine grain steels with high proof strength

No	Reference of the standard
68.	EN 10222-5:2017 Steel forgings for pressure purposes – Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
69.	EN 10253-2:2021 Butt-welding pipe fittings – Part 2: Non alloy and ferritic alloy steels with specific inspection requirements
70.	EN 10253-4:2008 Butt-welding pipe fittings – Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements EN 10253-4:2008/AC:2009
71.	EN 10269:2013 Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties
72.	EN 10272:2016 Stainless steel bars for pressure purposes
73.	EN 10273:2016 Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties
74.	EN 10305-4:2016 Steel tubes for precision applications – Technical delivery conditions – Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems
75.	EN 10305-6:2016 Steel tubes for precision applications – Technical delivery conditions – Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems
76.	EN ISO 10931:2005 Plastics piping systems for industrial applications – Poly(vinylidene fluoride) (PVDF) – Specifications for components and the system (ISO 10931:2005) EN ISO 10931:2005/A1:2015
77.	EN 12178:2016 Refrigerating systems and heat pumps – Liquid level indicating devices – Requirements, testing and marking
78.	EN 12263:1998 Refrigerating systems and heat pumps – Safety switching devices for limiting the pressure – Requirements and tests
79.	EN 12261:2024 Gas meters – Turbine gas meters
80.	EN 12266-1:2012 Industrial valves – Testing of metallic valves – Part 1: Pressure tests, test procedures and acceptance criteria – Mandatory requirements
81.	EN 12288:2010 Industrial valves – Copper alloy gate valves
82.	EN 12392:2016 Aluminium and aluminium alloys – Wrought products and cast products – Special requirements for products intended for the production of pressure equipment
83.	EN 12420:2014 Copper and copper alloys – Forgings
84.	EN 12434:2000 Cryogenic vessels – Cryogenic flexible hoses EN 12434:2000/AC:2001

No	Reference of the standard
85.	EN 12451:2012 Copper and copper alloys – Seamless, round tubes for heat exchangers
86.	EN 12452:2012 Copper and copper alloys – Rolled, finned, seamless tubes for heat exchangers
87.	EN 12516-1:2014+A1:2018 Industrial valves – Shell design strength – Part 1: Tabulation method for steel valve shells
88.	EN 12516-2:2014+A1:2021 Industrial valves – Shell design strength – Part 2: Calculation method for steel valve shells
89.	EN 12516-3:2002 Valves – Shell design strength – Part 3: Experimental method EN 12516-3:2002/AC:2003
90.	EN 12516-4:2014+A1:2018 Industrial valves – Shell design strength – Part 4: Calculation method for valve shells manufactured in metallic materials other than steel
91.	EN 12542:2020 LPG equipment and accessories – Static welded steel cylindrical pressure vessels, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m^3 – Design and manufacture
92.	EN 12735-1:2020 Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 1: Tubes for piping systems
93.	EN 12735-2:2016 Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 2: Tubes for equipment
94.	EN 12778:2002 Cookware – Pressure cookers for domestic use EN 12778:2002/A1:2005 EN 12778:2002/AC:2003
95.	EN 12952-1:2015 Water-tube boilers and auxiliary installations – Part 1: General
96.	EN 12952-2:2021 Water-tube boilers and auxiliary installations – Part 2: Materials for pressure parts of boilers and accessories
97.	EN 12952-3:2022 Water-tube boilers and auxiliary installations – Part 3: Design and calculation for pressure parts of the boiler
98.	EN 12952-5:2021 Water-tube boilers and auxiliary installations – Part 5: Workmanship and construction of pressure parts of the boiler
99.	EN 12952-6:2021 Water-tube boilers and auxiliary installations – Part 6: Inspection during construction, documentation and marking of pressure parts of the boiler
100.	EN 12952-7:2012 Water-tube boilers and auxiliary installations – Part 7: Requirements for equipment for the boiler

No	Reference of the standard
101.	EN 12952-8:2022 Water-tube boilers and auxiliary installations – Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler
102.	EN 12952-9:2022 Water-tube boilers and auxiliary installations – Part 9: Requirements for firing systems for pulverized solid fuels for the boiler
103.	EN 12952-10:2021 Water-tube boilers and auxiliary installations – Part 10: Requirements for safety devices against excessive pressure
104.	EN 12952-11:2007 Water-tube boilers and auxiliary installations – Part 11: Requirements for limiting devices of the boiler and accessories
105.	EN 12952-14:2004 Water-tube boilers and auxiliary installations – Part 14: Requirements for flue gas DENOX-systems using liquefied pressurized ammonia and ammonia water solution
106.	EN 12952-16:2022 Water-tube boilers and auxiliary installations – Part 16: Requirements for grate and fluidized-bed firing systems for solid fuels for the boiler
107.	EN 12952-18:2012 Water-tube boilers and auxiliary installations – Part 18: Operating instructions
108.	EN 12953-1:2012 Shell boilers – Part 1: General
109.	EN 12953-2:2012 Shell boilers – Part 2: Materials for pressure parts of boilers and accessories
110.	EN 12953-3:2016 Shell boilers – Part 3: Design and calculation for pressure parts
111.	EN 12953-4:2018 Shell boilers – Part 4: Workmanship and construction of pressure parts of the boiler
112.	EN 12953-5:2020 Shell boilers – Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler
113.	EN 12953-6:2011 Shell Boilers – Part 6: Requirements for equipment for the boiler
114.	EN 12953-7:2002 Shell boilers – Part 7: Requirements for firing systems for liquid and gaseous fuels for the boilers
115.	EN 12953-8:2001 Shell boilers – Part 8: Requirements for safeguards against excessive pressure EN 12953-8:2001/AC:2002
116.	EN 12953-9:2007 Shell boilers – Part 9: Requirements for limiting devices of the boiler and accessories
117.	EN 12953-12:2003 Shell boilers – Part 12: Requirements for grate firing systems for solid fuels for the boiler
118.	EN 12953-13:2012 Shell boilers – Part 13: Operating instructions

No	Reference of the standard
119.	EN 13121-1:2021 GRP tanks and vessels for use above ground – Part 1: Raw materials – Specification conditions and acceptance criteria
120.	EN 13121-2:2003 GRP tanks and vessels for use above ground – Part 2: Composite materials – Chemical resistance
121.	EN 13121-3:2016 GRP tanks and vessels for use above ground – Part 3: Design and workmanship
122.	EN 13134:2000 Brazing – Procedure approval
123.	EN 13136:2013+A1:2018 Refrigerating systems and heat pumps – Pressure relief devices and their associated piping – Methods for calculation
124.	EN 13175:2019+A1:2020 LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings
125.	EN 13348:2016 Copper and copper alloys – Seamless, round copper tubes for medical gases or vacuum
126.	EN 13371:2001 Cryogenic vessels – Couplings for cryogenic service
127.	EN 13397:2001 Industrial valves – Diaphragm valves made of metallic materials
128.	EN 13445-1:2021 Unfired pressure vessels – Part 1: General
129.	EN 13445-2:2021+A1:2023 Unfired pressure vessels – Part 2: Materials
130.	EN 13445-3:2021 Unfired pressure vessels – Part 3: Design
131.	EN 13445-4:2021+A1:2023 Unfired pressure vessels – Part 4: Fabrication
132.	EN 13445-5:2021 Unfired pressure vessels – Part 5: Inspection and testing
133.	EN 13445-6:2021 Unfired pressure vessels – Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron
134.	EN 13445-8:2021 Unfired pressure vessels – Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys
135.	EN 13445-10:2021 Unfired pressure vessels – Part 10: Additional requirements for pressure vessels of nickel and nickel alloys
136.	EN 13458-1:2002 Cryogenic vessels – Static vacuum insulated vessels – Part 1: Fundamental requirements

No	Reference of the standard
137.	EN 13458-2:2002 Cryogenic vessels – Static vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing EN 13458-2:2002/AC:2006
138.	EN 13480-1:2017 Metallic industrial piping – Part 1: General EN 13480-1:2017/A1:2019
139.	EN 13480-2:2017 Metallic industrial piping – Part 2: Materials EN 13480-2:2017/A3:2018 EN 13480-2:2017/A1:2018 EN 13480-2:2017/A2:2018 EN 13480-2:2017/A7:2020 EN 13480-2:2017/A8:2021
140.	EN 13480-3:2017 Metallic industrial piping – Part 3: Design and calculation EN 13480-3:2017/A3:2020 EN 13480-3:2017/A2:2020 EN 13480-3:2017/A1:2021 EN 13480-3:2017/A4:2021 EN 13480-3:2017/A5:2022
141.	EN 13480-4:2012 Metallic industrial piping – Part 4: Fabrication and installation EN 13480-4:2012/A1:2013 EN 13480-4:2012/A2:2015
142.	EN 13480-5:2017 Metallic industrial piping – Part 5: Inspection and testing EN 13480-5:2017/A1:2019 EN 13480-5:2017/A2:2021
143.	EN 13480-6:2017 Metallic industrial piping – Part 6: Additional requirements for buried piping EN 13480-6:2017/A1:2019
144.	EN 13480-8:2017 Metallic industrial piping – Part 8: Additional requirements for aluminium and aluminium alloy piping
145.	EN 13547:2013 Industrial valves – Copper alloy ball valves
146.	EN ISO 13585:2012 Brazing – Qualification test of brazers and brazing operators (ISO 13585:2012)
147.	EN 13648-1:2008 Cryogenic vessels – Safety devices for protection against excessive pressure – Part 1: Safety valves for cryogenic service
148.	EN 13648-2:2002 Cryogenic vessels – Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices for cryogenic service
149.	EN 13709:2010 Industrial valves – Steel globe and globe stop and check valves

No	Reference of the standard
150.	EN 13789:2010 Industrial valves – Cast iron globe valves
151.	EN 13799:2022 LPG equipment and accessories – Contents gauges for Liquefied Petroleum Gas (LPG) pressure vessels
152.	EN 13831:2007 Closed expansion vessels with built in diaphragm for installation in water
153.	EN 13835:2012 Founding – Austenitic cast irons
154.	EN 13923:2005 Filament-wound FRP pressure vessels – Materials, design, manufacturing and testing
155.	EN 14129:2014 LPG Equipment and accessories – Pressure relief valves for LPG pressure vessels
156.	EN 14197-1:2003 Cryogenic vessels – Static non-vacuum insulated vessels – Part 1: Fundamental requirements
157.	EN 14197-2:2003 Cryogenic vessels – Static non-vacuum insulated vessels – Part 2: Design, fabrication, inspection and testing EN 14197-2:2003/A1:2006 EN 14197-2:2003/AC:2006
158.	EN 14197-3:2004 Cryogenic vessels – Static non-vacuum insulated vessels – Part 3: Operational requirements EN 14197-3:2004/A1:2005 EN 14197-3:2004/AC:2004
159.	EN 14222:2021 Stainless steel steam boilers
160.	EN 14276-1:2020 Pressure equipment for refrigerating systems and heat pumps – Part 1: Vessels – General requirements
161.	EN 14276-2:2020 Pressure equipment for refrigerating systems and heat pumps – Part 2: Piping – General requirements
162.	EN 14359:2006+A1:2010 Gas-loaded accumulators for fluid power applications
163.	EN 14382:2005+A1:2009 Safety devices for gas pressure regulating stations and installations – Gas safety shut-off devices for inlet pressures up to 100 bar EN 14382:2005+A1:2009/AC:2009
164.	EN 14394:2005+A1:2008 Heating boilers – Heating boilers with forced draught burners – Nominal heat output not exceeding 10 MW and maximum operating temperature of 110 °C
165.	EN 14570:2014 LPG equipment and accessories – Equipping of overground and underground LPG vessels

No	Reference of the standard
166.	EN 14585-1:2006 Corrugated metal hose assemblies for pressure applications – Part 1: Requirements
167.	EN 14917:2021 Metal bellows expansion joints for pressure applications
168.	EN 15001-1:2023 Gas Infrastructure – Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations – Part 1: Detailed functional requirements for design, materials, construction, inspection and testing
169.	EN ISO 15493:2003 Plastics piping systems for industrial applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series (ISO 15493:2003) EN ISO 15493:2003/A1:2017
170.	EN ISO 15494:2018 Plastics piping systems for industrial applications – Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) – Metric series for specifications for components and the system (ISO 15494:2015)
171.	EN ISO 15613:2004 Specification and qualification of welding procedures for metallic materials – Qualification based on pre-production welding test (ISO 15613:2004)
172.	EN ISO 15614-1:2004 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004) EN ISO 15614-1:2004/A1:2008 EN ISO 15614-1:2004/A2:2012
173.	EN ISO 15614-2:2005 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 2: Arc welding of aluminium and its alloys (ISO 15614-2:2005) EN ISO 15614-2:2005/AC:2009
174.	EN ISO 15614-4:2005 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 4: Finishing welding of aluminium castings (ISO 15614-4:2005) EN ISO 15614-4:2005/AC:2007
175.	EN ISO 15614-5:2004 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys (ISO 15614-5:2004)
176.	EN ISO 15614-6:2006 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 6: Arc and gas welding of copper and its alloys (ISO 15614-6:2006)
177.	EN ISO 15614-7:2007 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 7: Overlay welding (ISO 15614-7:2007)

No	Reference of the standard
178.	EN ISO 15614-8:2016 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 8: Welding of tubes to tube-plate joints (ISO 15614-8:2016)
179.	EN ISO 15614-11:2002 Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 11: Electron and laser beam welding (ISO 15614-11:2002)
180.	EN ISO 15620:2019 Welding – Friction welding of metallic materials (ISO 15620:2019)
181.	EN 15776:2022 Unfired pressure vessels – Requirements for the design and fabrication of pressure vessels and pressure vessel parts constructed from cast iron with an elongation after fracture equal or less than 15 %
182.	EN ISO 16135:2006 Industrial valves – Ball valves of thermoplastics materials (ISO 16135:2006) EN ISO 16135:2006/A1:2019
183.	EN ISO 16136:2006 Industrial valves – Butterfly valves of thermoplastics materials (ISO 16136:2006) EN ISO 16136:2006/A1:2019
184.	EN ISO 16137:2006 Industrial valves – Check valves of thermoplastics materials (ISO 16137:2006) EN ISO 16137:2006/A1:2019
185.	EN ISO 16138:2006 Industrial valves – Diaphragm valves of thermoplastics materials (ISO 16138:2006) EN ISO 16138:2006/A1:2019
186.	EN ISO 16139:2006 Industrial valves – Gate valves of thermoplastics materials (ISO 16139:2006) EN ISO 16139:2006/A1:2019
187.	EN 16668:2016+A1:2018 Industrial valves – Requirements and testing for metallic valves as pressure accessories
188.	EN 16767:2020 Industrial valves – Metallic check valves
189.	EN 17278:2021 Natural gas vehicles – Vehicle fuelling appliances
190.	EN ISO 21009-2:2015 Cryogenic vessels – Static vacuum insulated vessels – Part 2: Operational requirements (ISO 21009-2:2015)
191.	EN ISO 21013-3:2016 Cryogenic vessels – Pressure-relief accessories for cryogenic service – Part 3: Sizing and capacity determination (ISO 21013-3:2016)
192.	EN ISO 21028-1:2016 Cryogenic vessels – Toughness requirements for materials at cryogenic temperature – Part 1: Temperatures below – 80 °C (ISO 21028-1:2016)

No	Reference of the standard
193.	EN ISO 21028-2:2018 Cryogenic vessels – Toughness requirements for materials at cryogenic temperature – Part 2: Temperatures between -80 degrees C and -20 degrees C (ISO 21028-2:2018)
194.	EN ISO 21787:2006 Industrial valves – Globe valves of thermoplastics materials (ISO 21787:2006) EN ISO 21787:2006/A1:2019
195.	EN ISO 21922:2021 Refrigerating systems and heat pumps – Valves – Requirements, testing and marking (ISO 21922:2021)

ANNEX II

No	Reference of the standard	Date of withdrawal
1.	EN 19:2016 Industrial valves – Marking of metallic valves	31.7.2026
2.	EN 12952-3:2011 Water-tube boilers and auxiliary installations – Part 3: Design and calculation for pressure parts of the boiler	31.7.2026
3.	EN 12952-8:2002 Water-tube boilers and auxiliary installations – Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler	31.7.2026
4.	EN 12952-9:2002 Water-tube boilers and auxiliary installations – Part 9: Requirements for firing systems for pulverized solid fuels for the boiler	31.7.2026
5.	EN 12952-16:2002 Water-tube boilers and auxiliary installations – Part 16: Requirements for grate and fluidized-bed firing systems for solid fuels for the boiler	31.7.2026
6.	EN 15001-1:2009 Gas Infrastructure – Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations – Part 1: Detailed functional requirements for design, materials, construction, inspection and testing	31.7.2026
7.	EN 15776:2011+A1:2015 Unfired pressure vessels – Requirements for the design and fabrication of pressure vessels and pressure parts constructed from cast iron with an elongation after fracture equal or less than 15 %	31.7.2026

ANNEX III

No	Reference of the standard	Date of withdrawal
1.	EN 13445-2:2021 Unfired pressure vessels – Part 2: Materials	31.7.2026
2.	EN 13445-4:2021 Unfired pressure vessels – Part 4: Fabrication	31.7.2026
3.	EN 13480-3:2017 Metallic industrial piping – Part 3: Design and calculation EN 13480-3:2017/A3:2020 EN 13480-3:2017/A2:2020 EN 13480-3:2017/A1:2021 EN 13480-3:2017/A4:2021	31.7.2026