

**THE DEPARTMENT FOR BUSINESS AND TRADE**  
**NOTICE OF PUBLICATION**  
**0087/23**  
**of 4 August 2023**

**of references to standards relating to pressure equipment in support of the  
Pressure Equipment (Safety) Regulations 2016 (S.I. 2016/1105)**

This notice confirms that:

- (a) The reference to standard listed in Part 1 of Annex I to this notice IS published for the purposes of regulation 2A of S.I. 2016/1105 and accordingly is designated pursuant to that regulation in relation to England and Wales and Scotland. The list of published standards set out in Annex I to notice 0073/22 is amended in accordance with Annex I to this notice from the date of this notice. For clarity, Part 2 of Annex I to this notice sets out the complete list of references of standards which have been published and accordingly are designated for the purposes of S.I. 2016/1105 as at the date of this notice.
  
- (b) The references to standards listed in Annex II to this notice (which have previously been published for the purposes of regulation 2A of S.I. 2016/1105), will be removed from publication from the date set out in Annex II to this notice. Accordingly, each of these standards will not be designated, or give rise to any presumption of conformity, on or after the date set out in respect of it. The list of references to be removed from publication, set out in Annex II to notice 0073/22, is amended in accordance with Annex II to this notice from the date of this notice. For clarity, Part 2 of Annex II to this notice sets out the complete list of references to standards which, as at the date of this notice, are due to be removed from publication.

## ANNEX I

## Part 1

The list of published standards as set out in Part 2 of Annex I to notice 0073/22 is amended as follows:

(1) the following row 1a is inserted after row 1:

1a.	<p>EN 3-8:2021</p> <p>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</p> <p><i>Restriction:</i> The application of the following clauses does not confer a presumption of conformity to the essential safety requirements of Schedule 2 to S.I. 2016/1105:</p> <p>(a) Clause 5.2 General, the statement 'The minimum wall thickness (S) required for the body to achieve all the requirements of this standard shall be specified, declared and guaranteed by the manufacturer.'</p> <p>(b) Clause 5.3.2 Burst test.</p> <p>(c) Clause 5.3.5 Requirements for the base.</p>
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## Part 2

List of references of standards which have been published and accordingly designated for the purposes of S.I. 2016/1105 as at the date of this notice:

No	Reference of standard
1.	<p>EN 3-8:2006</p> <p>Portable fire extinguishers - Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar</p> <p>EN 3-8:2006/AC:2007</p> <p><i>Notice:</i> Subject to Annex II to this notice 0087/23</p>
1a.	<p>EN 3-8:2021</p> <p>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</p> <p><i>Restriction:</i> The application of the following clauses does not confer a presumption of conformity to the essential safety requirements of Schedule 2 to S.I. 2016/1105:</p> <p>(a) Clause 5.2 General, the statement 'The minimum wall thickness (S) required for the body to achieve all the requirements of this standard shall be specified, declared and guaranteed by the manufacturer.'</p> <p>(b) Clause 5.3.2 Burst test.</p> <p>(c) Clause 5.3.5 Requirements for the base.</p>
2.	<p>EN 19:2016</p> <p>Industrial valves - Marking of metallic valves</p>
3.	<p>EN 267:2009+A1:2011</p> <p>Automatic forced draught burners for liquid fuels</p>
4.	<p>EN 334:2005+A1:2009</p> <p>Gas pressure regulators for inlet pressures up to 100 bar</p>

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
17.	
17a.	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 CO2 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.	
33a.	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)
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 9712:2012 Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2012) <i>Notice: Subject to Annex II to this notice 0087/23</i>
42a.	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
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.	
56a.	EN 10216-5:2021 Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 5: Stainless steel tubes
57.	
58.	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
59.	
60.	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
61.	
62.	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
63.	
64.	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
65.	
66.	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
67.	
68.	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
69.	
69a.	EN 10217-7:2021 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 7: Stainless steel tubes
70.	EN 10222-1:2017 Steel forgings for pressure purposes - Part 1: General requirements for open die forgings
71.	

71a.	EN 10222-2:2017+A1:2021 Steel forgings for pressure purposes – Part 2: Ferritic and martensitic steels with specified elevated temperatures properties
72.	EN 10222-3:2017 Steel forgings for pressure purposes - Part 3: Nickel steels with specified low temperature properties
73.	
73a.	EN 10222-4:2017+A1:2021 Steel forgings for pressure purposes – Part 4: Weldable fine grain steels with high proof strength
74.	EN 10222-5:2017 Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
75.	EN 10253-2:2007 Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements <i>Notice: Subject to Annex II to this notice 0087/23</i>
75a.	EN 10253-2:2021 Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements
76.	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
77.	EN 10269:2013 Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties
78.	EN 10272:2016 Stainless steel bars for pressure purposes
79.	EN 10273:2016 Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties
80.	EN 10305-4:2016 Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems
81.	EN 10305-6:2016 Steel tubes for precision applications - Technical delivery conditions - Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems
82.	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
83.	EN 12178:2016 Refrigerating systems and heat pumps - Liquid level indicating devices - Requirements, testing and marking
84.	EN 12263:1998 Refrigerating systems and heat pumps - Safety switching devices for limiting the pressure - Requirements and tests

85.	EN 12266-1:2012 Industrial valves - Testing of metallic valves - Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements
86.	EN 12284:2003 Refrigerating systems and heat pumps - Valves - Requirements, testing and marking <i>Notice:</i> Subject to Annex II to this notice 0087/23
87.	EN 12288:2010 Industrial valves - Copper alloy gate valves
88.	EN 12392:2016 Aluminium and aluminium alloys - Wrought products and cast products - Special requirements for products intended for the production of pressure equipment
89.	EN 12420:2014 Copper and copper alloys - Forgings
90.	EN 12434:2000 Cryogenic vessels - Cryogenic flexible hoses EN 12434:2000/AC:2001
91.	EN 12451:2012 Copper and copper alloys - Seamless, round tubes for heat exchangers
92.	EN 12452:2012 Copper and copper alloys - Rolled, finned, seamless tubes for heat exchangers
93.	EN 12516-1:2014+A1:2018 Industrial valves - Shell design strength - Part 1: Tabulation method for steel valve shells
94.	EN 12516-2:2014 Industrial valves - Shell design strength - Part 2: Calculation method for steel valve shells <i>Notice:</i> Subject to Annex II to this notice 0087/23
94a.	EN 12516-2:2014+A1:2021 Industrial valves – Shell design strength - Part 2: Calculation method for steel valve shells
95.	EN 12516-3:2002 Valves - Shell design strength - Part 3: Experimental method EN 12516-3:2002/AC:2003
96.	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
97.	
97a.	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 <sup>3</sup> - Design and manufacture
98.	
98a.	EN 12735-1:2020 Copper and copper alloys - Seamless, round tubes for air conditioning and refrigeration - Part 1: Tubes for piping systems
99.	EN 12735-2:2016 Copper and copper alloys - Seamless, round tubes for air conditioning and refrigeration - Part 2: Tubes for equipment

100.	EN 12778:2002 Cookware - Pressure cookers for domestic use EN 12778:2002/AC:2003 EN 12778:2002/A1:2005
101.	EN 12952-1:2015 Water-tube boilers and auxiliary installations - Part 1: General
102.	EN 12952-2:2011 Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories <i>Notice:</i> Subject to Annex II to this notice 0087/23
102a.	EN 12952-2:2021 Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories
103.	EN 12952-3:2011 Water-tube boilers and auxiliary installations - Part 3: Design and calculation for pressure parts of the boiler
104.	EN 12952-5:2011 Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler <i>Notice:</i> Subject to Annex II to this notice 0087/23
104a.	EN 12952-5:2021 Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler
105.	EN 12952-6:2011 Water-tube boilers and auxiliary installations - Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler <i>Notice:</i> Subject to Annex II to this notice 0087/23
105a.	EN 12952-6:2021 Water-tube boilers and auxiliary installations - Part 6: Inspection during construction, documentation and marking of pressure parts of the boiler
106.	EN 12952-7:2012 Water-tube boilers and auxiliary installations - Part 7: Requirements for equipment for the boiler
107.	EN 12952-8:2002 Water-tube boilers and auxiliary installations - Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler
108.	EN 12952-9:2002 Water-tube boilers and auxiliary installations - Part 9: Requirements for firing systems for pulverized solid fuels for the boiler
109.	EN 12952-10:2002 Water-tube boilers and auxiliary installations - Part 10: Requirements for safeguards against excessive pressure <i>Notice:</i> Subject to Annex II to this notice 0087/23
109a.	EN 12952-10:2021 Water-tube boilers and auxiliary installations - Part 10: Requirements for safety devices against excessive pressure
110.	EN 12952-11:2007 Water-tube boilers and auxiliary installations - Part 11: Requirements for limiting devices of the boiler and accessories

111.	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
112.	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
113.	EN 12952-18:2012 Water-tube boilers and auxiliary installations - Part 18: Operating instructions
114.	EN 12953-1:2012 Shell boilers - Part 1: General
115.	EN 12953-2:2012 Shell boilers - Part 2: Materials for pressure parts of boilers and accessories
116.	EN 12953-3:2016 Shell boilers - Part 3: Design and calculation for pressure parts
117.	EN 12953-4:2018 Shell boilers - Part 4: Workmanship and construction of pressure parts of the boiler
118.	
118a.	EN 12953-5:2020 Shell boilers - Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler
119.	EN 12953-6:2011 Shell Boilers - Part 6: Requirements for equipment for the boiler
120.	EN 12953-7:2002 Shell boilers - Part 7: Requirements for firing systems for liquid and gaseous fuels for the boilers
121.	EN 12953-8:2001 Shell boilers - Part 8: Requirements for safeguards against excessive pressure EN 12953-8:2001/AC:2002
122.	EN 12953-9:2007 Shell boilers - Part 9: Requirements for limiting devices of the boiler and accessories
123.	EN 12953-12:2003 Shell boilers - Part 12: Requirements for grate firing systems for solid fuels for the boiler
124.	EN 12953-13:2012 Shell boilers - Part 13: Operating instructions
125.	EN 13121-1:2003 GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions <i>Notice:</i> Subject to Annex II to this notice 0087/23
125a.	EN 13121-1:2021 GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance criteria
126.	EN 13121-2:2003 GRP tanks and vessels for use above ground - Part 2: Composite materials - Chemical resistance
127.	EN 13121-3:2016 GRP tanks and vessels for use above ground - Part 3: Design and workmanship
128.	EN 13134:2000 Brazing - Procedure approval

129.	EN 13136:2013+A1:2018 Refrigerating systems and heat pumps - Pressure relief devices and their associated piping - Methods for calculation
130.	
130a.	EN 13175:2019+A1:2020 LPG Equipment and accessories - Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings
131.	EN 13348:2016 Copper and copper alloys - Seamless, round copper tubes for medical gases or vacuum
132.	EN 13371:2001 Cryogenic vessels - Couplings for cryogenic service
133.	EN 13397:2001 Industrial valves - Diaphragm valves made of metallic materials
134.	
134a.	EN 13445-1:2021 Unfired pressure vessels – Part 1: General
135.	
135a.	EN 13445-2:2021 Unfired pressure vessels – Part 2: Materials
136.	
136a.	EN 13445-3:2021 Unfired pressure vessels – Part 3: Design
137.	
137a.	EN 13445-4:2021 Unfired pressure vessels – Part 4: Fabrication
138.	
138a.	EN 13445-5:2021 Unfired pressure vessels – Part 5: Inspection and testing
139.	
139a.	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
140.	
140a.	EN 13445-8:2021 Unfired pressure vessels – Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys
141.	EN 13458-1:2002 Cryogenic vessels - Static vacuum insulated vessels - Part 1: Fundamental requirements

142.	EN 13458-2:2002 Cryogenic vessels - Static vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing EN 13458-2:2002/AC:2006
143.	EN 13480-1:2017 Metallic industrial piping - Part 1: General EN 13480-1:2017/A1:2019
144.	EN 13480-2:2017 Metallic industrial piping - Part 2: Materials EN 13480-2:2017/A1:2018 EN 13480-2:2017/A2:2018 EN 13480-2:2017/A3:2018 EN 13480-2:2017/A7:2020 <i>Notice:</i> Subject to Annex II to this notice 0087/23
144a.	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
145.	
145a.	EN 13480-3:2017 Metallic industrial piping – Part 3: Design and calculation EN 13480-3:2017/A2:2020 EN 13480-3:2017/A3:2020 EN 13480-3:2017/A1:2021 <i>Notice:</i> Subject to Annex II to this notice 0087/23
145b.	EN 13480-3:2017 Metallic industrial piping - Part 3: Design and calculation EN 13480-3:2017/A3:2020 EN 13480-3:2017/A1:2021 EN 13480-3:2017/A2:2020 EN 13480-3:2017/A4:2021
146.	EN 13480-4:2012 Metallic industrial piping - Part 4: Fabrication and installation EN 13480-4:2012/A1:2013 EN 13480-4:2012/A2:2015
147.	EN 13480-5:2017 Metallic industrial piping - Part 5: Inspection and testing EN 13480-5:2017/A1:2019 <i>Notice:</i> Subject to Annex II to this notice 0087/23
147a.	EN 13480-5:2017 Metallic industrial piping - Part 5: Inspection and testing EN 13480-5:2017/A1:2019 EN 13480-5:2017/A2:2021

148.	EN 13480-6:2017 Metallic industrial piping - Part 6: Additional requirements for buried piping EN 13480-6:2017/A1:2019
149.	EN 13480-8:2017 Metallic industrial piping - Part 8: Additional requirements for aluminium and aluminium alloy piping
150.	EN 13547:2013 Industrial valves - Copper alloy ball valves
151.	EN ISO 13585:2012 Brazing - Qualification test of brazers and brazing operators (ISO 13585:2012)
152.	EN 13648-1:2008 Cryogenic vessels - Safety devices for protection against excessive pressure - Part 1: Safety valves for cryogenic service
153.	EN 13648-2:2002 Cryogenic vessels - Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices for cryogenic service
154.	EN 13709:2010 Industrial valves - Steel globe and globe stop and check valves
155.	EN 13789:2010 Industrial valves - Cast iron globe valves
156.	EN 13831:2007 Closed expansion vessels with built in diaphragm for installation in water
157.	EN 13835:2012 Founding - Austenitic cast irons
158.	EN 13923:2005 Filament-wound FRP pressure vessels - Materials, design, manufacturing and testing
159.	EN 14129:2014 LPG Equipment and accessories - Pressure relief valves for LPG pressure vessels
160.	EN 14197-1:2003 Cryogenic vessels - Static non-vacuum insulated vessels - Part 1: Fundamental requirements
161.	EN 14197-2:2003 Cryogenic vessels - Static non-vacuum insulated vessels - Part 2: Design, fabrication, inspection and testing EN 14197-2:2003/AC:2006 EN 14197-2:2003/A1:2006
162.	EN 14197-3:2004 Cryogenic vessels - Static non-vacuum insulated vessels - Part 3: Operational requirements EN 14197-3:2004/AC:2004 EN 14197-3:2004/A1:2005
163.	
163a.	EN 14222:2021 Stainless steel steam boilers
164.	
164a.	EN 14276-1:2020 Pressure equipment for refrigerating systems and heat pumps - Part 1: Vessels - General requirements

165.	
165a.	EN 14276-2:2020 Pressure equipment for refrigerating systems and heat pumps - Part 2: Piping - General requirement
166.	EN 14359:2006+A1:2010 Gas-loaded accumulators for fluid power applications
167.	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
168.	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
169.	EN 14570:2014 LPG equipment and accessories - Equipping of overground and underground LPG vessels
170.	EN 14585-1:2006 Corrugated metal hose assemblies for pressure applications - Part 1: Requirements
171.	EN 14917:2009+A1:2012 Metal bellows expansion joints for pressure applications <i>Notice:</i> Subject to Annex II to this notice 0087/23
171a.	EN 14917:2021 Metal bellows expansion joints for pressure applications
172.	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
173.	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
174.	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)
175.	EN ISO 15613:2004 Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test (ISO 15613:2004)
176.	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

177.	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
178.	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
179.	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)
180.	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)
181.	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)
182.	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)
183.	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)
184.	
184a.	EN ISO 15620:2019 Welding - Friction welding of metallic materials (ISO 15620:2019)
185.	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 %
186.	
186a.	EN ISO 16135:2006 Industrial valves - Ball valves of thermoplastics materials (ISO 16135:2006) EN ISO 16135:2006/A1:2019
187.	
187a.	EN ISO 16136:2006 Industrial valves - Butterfly valves of thermoplastics materials (ISO 16136:2006) EN ISO 16136:2006/A1:2019
188.	
188a.	EN ISO 16137:2006 Industrial valves - Check valves of thermoplastics materials (ISO 16137:2006) EN ISO 16137:2006/A1:2019
189.	

189a.	EN ISO 16138:2006 Industrial valves - Diaphragm valves of thermoplastics materials (ISO 16138:2006) EN ISO 16138:2006/A1:2019
190.	
190a.	EN ISO 16139:2006 Industrial valves - Gate valves of thermoplastics materials (ISO 16139:2006) EN ISO 16139:2006/A1:2019
191.	EN 16668:2016+A1:2018 Industrial valves - Requirements and testing for metallic valves as pressure accessories
192.	
192a.	EN 16767:2020 Industrial valves - Metallic check valves
193.	EN ISO 21009-2:2015 Cryogenic vessels - Static vacuum insulated vessels - Part 2: Operational requirements (ISO 21009-2:2015)
194.	EN ISO 21013-3:2016 Cryogenic vessels - Pressure-relief accessories for cryogenic service - Part 3: Sizing and capacity determination (ISO 21013-3:2016)
195.	EN ISO 21028-1:2016 Cryogenic vessels - Toughness requirements for materials at cryogenic temperature - Part 1: Temperatures below -80 °C (ISO 21028-1:2016)
196.	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)
197.	
197a.	EN ISO 21787:2006 Industrial valves - Globe valves of thermoplastics materials (ISO 21787:2006) EN ISO 21787:2006/A1:2019
198.	EN 13445-10:2021 Unfired pressure vessels – Part 10: Additional requirements for pressure vessels of nickel and nickel alloys
199.	EN 17278:2021 Natural gas vehicles – Vehicle fuelling appliances
200.	EN ISO 21922:2021 Refrigerating systems and heat pumps - Valves - Requirements, testing and marking (ISO 21922:2021)

## ANNEX II

## Part 1

The list of standards for removal from publication, as set out in Part 2 of Annex II to notice 0073/22, is amended as follows:

- (1) rows 1 to 13 inclusive are removed.
- (2) rows 14 to 26 are renumbered 1 to 13 inclusive.
- (3) the following entry is added:

No	Reference of standard	Date of removal from publication
14.	EN 3-8:2006 Portable fire extinguishers - Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar EN 3-8:2006/AC:2007	3 April 2024

## Part 2

List of references to standards which, as at the date of this notice, are due to be removed from publication.

No.	Reference of standard	Date of removal from publication
1.	EN 10253-2:2007 Butt-welding pipe fittings - Part 2: Non alloy and ferritic alloy steels with specific inspection requirements	3 April 2024
2.	EN 12284:2003 Refrigerating systems and heat pumps - Valves - Requirements, testing and marking	3 April 2024
3.	EN 12516-2:2014 Industrial valves - Shell design strength - Part 2: Calculation method for steel valve shells	3 April 2024
4.	EN 12952-2:2011 Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories	3 April 2024
5.	EN 12952-5:2011 Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler	3 April 2024
6.	EN 12952-6:2011 Water-tube boilers and auxiliary installations - Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler	3 April 2024

7.	EN 12952-10:2002 Water-tube boilers and auxiliary installations - Part 10: Requirements for safeguards against excessive pressure	3 April 2024
8.	EN 13121-1:2003 GRP tanks and vessels for use above ground - Part 1: Raw materials - Specification conditions and acceptance conditions	3 April 2024
9.	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	3 April 2024
10.	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	3 April 2024
11.	EN 13480-5:2017 Metallic industrial piping - Part 5: Inspection and testing EN 13480-5:2017/A1:2019	3 April 2024
12.	EN 14917:2009+A1:2012 Metal bellows expansion joints for pressure applications	3 April 2024
13.	EN ISO 9712:2012 Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2012)	3 April 2024
14.	EN 3-8:2006 Portable fire extinguishers - Part 8: Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar EN 3-8:2006/AC:2007	3 April 2024