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**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**

*Article 1*

The references of harmonised standards for pressure equipment 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*

The references of harmonised standards for pressure equipment drafted in support of Directive 2014/68/EU, listed in Annex II to this Decision, are hereby withdrawn from the *Official Journal of the European Union* as from the dates set out in that Annex.

*Article 3*

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

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No	Reference of the standard
1.	EN 1562:2019 Founding — Malleable cast irons
2.	EN 1563:2018 Founding — Spheroidal graphite cast irons
3.	EN ISO 4126-2:2019 Safety devices for protection against excessive pressure — Part 2: Bursting disc safety devices (ISO 4126-2:2018)
4.	EN 12516-1:2014+A1:2018 Industrial valves — Shell design strength — Part 1: Tabulation method for steel valve shells
5.	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
6.	EN 13136:2013+A1:2018 Refrigerating systems and heat pumps — Pressure relief devices and their associated piping — Methods for calculation
7.	EN 13445-2:2014 Unfired pressure vessels — Part 2: Materials EN 13445-2:2014/A1:2016 EN 13445-2:2014/A2:2018 EN 13445-2:2014/A3:2018
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8.	EN 13445-3:2014 Unfired pressure vessels — Part 3: Design EN 13445-3:2014/A1:2015 EN 13445-3:2014/A2:2016 EN 13445-3:2014/A3:2017 EN 13445-3:2014/A4:2018 EN 13445-3:2014/A5:2018 EN 13445-3:2014/A6:2019 EN 13445-3:2014/A7:2019 EN 13445-3:2014/A8:2019
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9.	EN 13445-5:2014 Unfired pressure vessels — Part 5: Inspection and testing EN 13445-5:2014/A1:2018
10.	EN 13445-6:2014 Unfired pressure vessels — Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron EN 13445-6:2014/A2:2018
11.	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

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No	Reference of the standard
12.	EN 13480-5:2017 Metallic industrial piping — Part 5: Inspection and testing EN 13480-5:2017/A1:2019
13.	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)
14.	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)

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15.	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
16.	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
17.	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
18.	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
19.	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
20.	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
21.	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
22.	EN 13480-1:2017 Metallic industrial piping – Part 1: General EN 13480-1:2017/A1:2019
23.	EN 13480-6:2017 Metallic industrial piping – Part 6: Additional requirements for buried piping EN 13480-6:2017/A1:2019



## ANNEX II

No	Reference of the standard	Date of withdrawal
1.	EN 13445-2:2014 Unfired pressure vessels — Part 2: Materials EN 13445-2:2014/A1:2016 EN 13445-2:2014/A2:2018	30 September 2019
2.	EN 13445-3:2014 Unfired pressure vessels — Part 3: Design EN 13445-3:2014/A1:2015 EN 13445-3:2014/A2:2016 EN 13445-3:2014/A3:2017 EN 13445-3:2014/A4:2018	30 September 2019
3.	EN 13445-5:2014 Unfired pressure vessels — Part 5: Inspection and testing	30 September 2019
4.	EN 13445-6:2014 Unfired pressure vessels — Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron	30 September 2019
5.	EN 13480-2:2017 Metallic industrial piping — Part 2: Materials	30 September 2019
6.	EN 13480-5:2017 Metallic industrial piping — Part 5: Inspection and testing	30 September 2019
7.	EN 1252-2:2001 Cryogenic vessels — Materials — Part 2: Toughness requirements for temperatures between – 80 °C and – 20 °C	30 March 2020
8.	EN 1562:2012 Founding — Malleable cast irons	30 March 2020
9.	EN 1563:2011 Founding — Spheroidal graphite cast irons	30 March 2020
10.	EN 12516-1:2014 Industrial valves — Shell design strength — Part 1: Tabulation method for steel valve shells	30 March 2020
11.	EN 12516-4:2014 Industrial valves — Shell design strength — Part 4: Calculation method for valve shells manufactured in metallic materials other than steel	30 March 2020
12.	EN 13136:2013 Refrigerating systems and heat pumps — Pressure relief devices and their associated piping — Methods for calculation	30 March 2020

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No	Reference of the standard	Date of withdrawal
13.	EN 10217-1:2002 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 1: Non-alloy steel tubes with specified room temperature properties EN 10217-1:2002/A1:2005	20 April 2021
14.	EN 10217-2:2002 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 2: Electric welded non-alloy and alloy steel tubes with specified elevated temperature properties EN 10217-2:2002/A1:2005	20 April 2021
15.	EN 10217-3:2002 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 3: Alloy fine grain steel tubes EN 10217-3:2002/A1:2005	20 April 2021
16.	EN 10217-4:2002 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 4: Electric welded non-alloy steel tubes with specified low temperature properties EN 10217-4:2002/A1:2005	20 April 2021
17.	EN 10217-5:2002 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 EN 10217-5:2002/A1:2005	20 April 2021
18.	EN 10217-6:2002 Welded steel tubes for pressure purposes – Technical delivery conditions – Part 6: Submerged arc welded non-alloy steel tubes with specified low temperature properties EN 10217-6:2002/A1:2005	20 April 2021
19.	EN 13480-1:2017 Metallic industrial piping – Part 1: General	20 April 2020
20.	EN 13480-6:2017 Metallic industrial piping – Part 6: Additional requirements for buried piping	20 April 2020
21.	EN ISO 4126-1:2013 Safety devices for protection against excessive pressure – Part 1: Safety valves (ISO 4126-1:2013)	20 April 2020