

Commission communication in the framework of the implementation of the Directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment

(Text with EEA relevance)

(Publication of titles and references of harmonised standards under the directive)

(2006/C 311/07)

The following list contains references to harmonised standards for pressure equipment and harmonised supporting standards for materials used in manufacturing pressure equipment. In the case of a harmonised supporting standard for materials, presumption of conformity to the essential safety requirements is limited to technical data of materials in the standard and does not presume adequacy of the material to a specific item of equipment. Consequently the technical data stated in the material standard shall be assessed against the design requirements of this specific item of equipment to verify that the essential safety requirements of the PED are satisfied.

ESO ⁽¹⁾	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of superseded standard Note 1
CEN	EN 19:2002 Industrial valves — Marking of metallic valves	—	
CEN	EN 287-1:2004 Qualification test of welders — Fusion welding — Part 1: Steels EN 287-1:2004/A2:2006 EN 287-1:2004/AC:2004	— Note 3	Date Expired (30.9.2006)
CEN	EN 334:2005 Gas pressure regulators for inlet pressures up to 100 bar	—	
CEN	EN 378-2:2000 Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and docu- mentation	—	
CEN	EN 473:2000 Non destructive testing — Qualification and certification of NDT personnel — General principles EN 473:2000/A1:2005	— Note 3	Date Expired (30.4.2006)
CEN	EN 593:2004 Industrial valves — Metallic butterfly valves	—	
CEN	EN 764-5:2002 Pressure Equipment — Part 5: Compliance and Inspection Documenta- tion of Materials	—	
CEN	EN 764-7:2002 Pressure equipment — Part 7: Safety systems for unfired pressure equip- ment EN 764-7:2002/AC:2006	—	

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 1057:2006 Copper and copper alloys — Seamless, round copper tubes for water and gas in sanitary and heating applications	—	
CEN	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:2004	—	
CEN	EN 1092-4:2002 Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 4: Aluminium alloy flanges	—	
CEN	EN 1252-1:1998 Cryogenic vessels — Materials — Part 1: Toughness requirements for temperatures below -80 C EN 1252-1:1998/AC:1998	—	
CEN	EN 1252-2:2001 Cryogenic vessels — Materials — Part 2: Toughness requirements for temperatures between -80 C and -20 C	—	
CEN	EN 1349:2000 Industrial process control valves EN 1349:2000/AC:2001	—	
CEN	EN 1591-1:2001 Flanges and their joints — Design rules for gasketed circular flange connections — Part 1: Calculation method	—	
CEN	EN 1626:1999 Cryogenic vessels — Valves for cryogenic service	—	
CEN	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	—	
CEN	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	—	
CEN	EN 1759-4:2003 Flanges and their joint — Circular flanges for pipes, valves, fittings and accessories, class designated — Part 4: Aluminium alloy flanges	—	
CEN	EN 1797:2001 Cryogenic vessels — Gas/material compatibility	EN 1797-1:1998	Date Expired (31.1.2002)
CEN	EN 1866:2005 Mobile fire extinguishers	—	

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 1983:2006 Industrial valves — Steel ball valves	—	
CEN	EN 1984:2000 Industrial valves — Steel gate valves	—	
CEN	EN ISO 4126-1:2004 Safety devices for protection against excessive pressure — Part 1: Safety valves (ISO 4126-1:2004) EN ISO 4126-1:2004/AC:2006	—	
CEN	EN ISO 4126-3:2006 Safety devices for protection against excessive pressure — Part 3: Safety valves and bursting disc safety devices in combination (ISO 4126- 3:2006)	—	
CEN	EN ISO 4126-4:2004 Safety devices for protection against excessive pressure — Part 4: Pilot operated safety valves (ISO 4126-4:2004)	—	
CEN	EN ISO 4126-5:2004 Safety devices for protection against excessive pressure — Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2004)	—	
CEN	EN ISO 9606-2:2004 Qualification test of welders — Fusion welding — Part 2: Aluminium and aluminium alloys (ISO 9606-2:2004)	—	
CEN	EN ISO 9606-3:1999 Approval testing of welders — Fusion welding — Part 3: Copper and copper alloys (ISO 9606-3:1999)	—	
CEN	EN ISO 9606-4:1999 Approval testing of welders — Fusion welding — Part 4: Nickel and nickel alloys (ISO 9606-4:1999)	—	
CEN	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)	—	
CEN	EN 10028-1:2000 Flat products made of steels for pressure purposes — Part 1: General requirements EN 10028-1:2000/A1:2002	EN 10028-1:1992 Note 3	Date Expired (31.10.2000) Date Expired (31.5.2003)
CEN	EN 10028-2:2003 Flat products made of steels for pressure purposes — Part 2: Non-alloy and alloy steels with specified elevated temperature properties EN 10028-2:2003/AC:2005	EN 10028-2:1992	Date Expired (31.12.2003)
CEN	EN 10028-3:2003 Flat products made of steels for pressure purposes — Part 3: Weldable fine grain steels, normalized	EN 10028-3:1992	Date Expired (31.12.2003)

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 10028-4:2003 Flat products made of steels for pressure purposes — Part 4: Nickel alloy steels with specified low temperature properties EN 10028-4:2003/AC:2005	EN 10028-4:1994	Date Expired (31.12.2003)
CEN	EN 10028-5:2003 Flat products made of steels for pressure purposes — Part 5: Weldable fine grain steels, thermomechanically rolled	EN 10028-5:1996	Date Expired (31.12.2003)
CEN	EN 10028-6:2003 Flat products made of steels for pressure purposes — Part 6: Weldable fine grain steels, quenched and tempered	EN 10028-6:1996	Date Expired (31.12.2003)
CEN	EN 10028-7:2000 Flat products made of steels for pressure purposes — Part 7: Stainless steels EN 10028-7:2000/AC:2004	—	
CEN	EN 10204:2004 Metallic products — Types of inspection documents	—	
CEN	EN 10213-1:1995 Technical delivery conditions for steel castings for pressure purposes — Part 1: General	—	
CEN	EN 10213-2:1995 Technical delivery conditions for steel castings for pressure purposes — Part 2: Steel grades for use at room temperature and elevated tempera- tures	—	
CEN	EN 10213-3:1995 Technical delivery conditions for steel castings for pressure purposes — Part 3: Steel grades for use at low temperatures	—	
CEN	EN 10213-4:1995 Technical delivery conditions for steel castings for pressure purposes — Part 4: Austenitic and austenitic-ferritic steel grades	—	
CEN	EN 10216-1:2002 Seamless steel tubes for pressure purposes — Technical delivery condi- tions — Part 1: Non-alloy steel tubes with specified room temperature properties EN 10216-1:2002/A1:2004	—	
CEN	EN 10216-2:2002 Seamless steel tubes for pressure purposes — Technical delivery condi- tions — Part 2: Non-alloy and alloy steel tubes with specified elevated temperature properties EN 10216-2:2002/A1:2004	—	
CEN	EN 10216-3:2002 Seamless steel tubes for pressure purposes — Technical delivery condi- tions — Part 3: Alloy fine grain steel tubes EN 10216-3:2002/A1:2004	—	

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CEN	EN 10216-4:2002 Seamless steel tubes for pressure purposes — Technical delivery condi- tions — Part 4: Non-alloy and alloy steel tubes with specified low temperature properties EN 10216-4:2002/A1:2004	—	
CEN	EN 10216-5:2004 Seamless steel tubes for pressure purposes — Technical delivery condi- tions — Part 5: Stainless steel tubes	—	
CEN	EN 10217-1:2002 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 1: Non-alloy steel tubes with specified room temperature proper- ties EN 10217-1:2002/A1:2005	—	
CEN	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	—	
CEN	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	—	
CEN	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	—	
CEN	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	—	
CEN	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	—	
CEN	EN 10217-7:2005 Welded steel tubes for pressure purposes — Technical delivery conditions — Part 7: Stainless steel tubes	—	
CEN	EN 10222-1:1998 Steel forgings for pressure purposes — Part 1: General requirements for open die forgings EN 10222-1:1998/A1:2002	— Note 3	Date Expired (31.10.2002)

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CEN	EN 10222-2:1999 Steel forgings for pressure purposes — Part 2: Ferritic and martensitic steels with specified elevated temperature properties EN 10222-2:1999/AC:2000	—	
CEN	EN 10222-3:1998 Steel forgings for pressure purposes — Part 3: Nickel steels with specified low temperature properties	—	
CEN	EN 10222-4:1998 Steel forgings for pressure purposes — Part 4: Weldable fine grain steels with high proof strength EN 10222-4:1998/A1:2001	— Note 3	Date Expired (31.1.2002)
CEN	EN 10222-5:1999 Steel forgings for pressure purposes — Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels EN 10222-5:1999/AC:2000	—	
CEN	EN 10269:1999 Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties EN 10269:1999/A1:2006 EN 10269:1999/A1:2006/AC:2006	— Note 3	31.10.2006
CEN	EN 10272:2000 Stainless steel bars for pressure purposes	—	
CEN	EN 10273:2000 Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties	—	
CEN	EN 10305-4:2003 Steel tubes for precision applications — Technical delivery conditions — Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems	—	
CEN	EN 10305-6:2005 Steel tubes for precision applications — Technical delivery conditions — Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems	—	
CEN	EN ISO 10931:2005 Plastics piping systems for industrial applications — Poly(vinylidene fluoride) (PVDF) — Specifications for components and the system (ISO 10931:2005)	—	
CEN	EN 12178:2003 Refrigerating systems and heat pumps — Liquid level indicating devices — Requirements, testing and marking	—	
CEN	EN 12263:1998 Refrigerating systems and heat pumps — Safety switching devices for limiting the pressure — Requirements and tests	—	
CEN	EN 12266-1:2003 Industrial valves — Testing of valves — Part 1: Pressure tests, test proce- dures and acceptance criteria — Mandatory requirements	—	

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 12284:2003 Refrigerating systems and heat pumps — Valves — Requirements, testing and marking	—	
CEN	EN 12288:2003 Industrial valves — Copper alloy gate valves	—	
CEN	EN 12334:2001 Industrial valves — Cast iron check valves EN 12334:2001/A1:2004	— Note 3	Date Expired (28.2.2005)
CEN	EN 12392:2000 Aluminium and aluminium alloys — Wrought products — Special requirements for products intended for the production of pressure equip- ment	—	
CEN	EN 12420:1999 Copper and copper alloys — Forgings	—	
CEN	EN 12434:2000 Cryogenic vessels — Cryogenic flexible hoses EN 12434:2000/AC:2001	—	
CEN	EN 12451:1999 Copper and copper alloys — Seamless, round tubes for heat exchangers	—	
CEN	EN 12452:1999 Copper and copper alloys — Rolled, finned, seamless tubes for heat exchangers	—	
CEN	EN 12516-1:2005 Industrial valves — Shell design strength — Part 1: Tabulation method for steel valve shells	—	
CEN	EN 12516-2:2004 Industrial valves — Shell design strength — Part 2: Calculation method for steel valve shells	—	
CEN	EN 12516-3:2002 Valves — Shell design strength — Part 3: Experimental method EN 12516-3:2002/AC:2003	—	
CEN	EN 12542:2002 Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13m ³ and for installation above ground — Design and manufacture EN 12542:2002/A1:2004	— Note 3	Date Expired (31.5.2005)
CEN	EN 12735-1:2001 Copper and copper alloys — Seamless, round copper tubes for air condi- tioning and refrigeration — Part 1: Tubes for piping systems EN 12735-1:2001/A1:2005	— Note 3	Date Expired (31.10.2005)

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CEN	EN 12735-2:2001 Copper and copper alloys — Seamless, round copper tubes for air condi- tioning and refrigeration — Part 2: Tubes for equipment EN 12735-2:2001/A1:2005	— Note 3	Date Expired (31.10.2005)
CEN	EN 12778:2002 Cookware — Pressure cookers for domestic use	—	
CEN	EN 12952-1:2001 Water-tube boilers and auxiliary installations — Part 1: General	—	
CEN	EN 12952-2:2001 Water-tube boilers and auxiliary installations — Part 2: Materials for pres- sure parts of boilers and accessories	—	
CEN	EN 12952-3:2001 Water-tube boilers and auxiliary installations — Part 3: Design and calcu- lation for pressure parts	—	
CEN	EN 12952-5:2001 Water-tube boilers and auxiliary installations — Part 5: Workmanship and construction of pressure parts of the boiler	—	
CEN	EN 12952-6:2002 Water-tube boilers and auxiliary installations — Part 6: Inspection during construction; documentation and marking of pressure parts of the boiler	—	
CEN	EN 12952-7:2002 Water-tube boilers and auxiliary installations — Part 7: Requirements for equipment for the boiler	—	
CEN	EN 12952-8:2002 Water-tube boilers and auxiliary installations — Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler	—	
CEN	EN 12952-9:2002 Water-tube boilers and auxiliary installations — Part 9: Requirements for firing systems for pulverized solid fuels for the boiler	—	
CEN	EN 12952-10:2002 Water-tube boilers and auxiliary installations — Part 10: Requirements for safeguards against excessive pressure	—	
CEN	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	—	
CEN	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	—	
CEN	EN 12953-1:2002 Shell boilers — Part 1: General	—	

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CEN	EN 12953-2:2002 Shell boilers — Part 2: Materials for pressure parts of boilers and acces- sories	—	
CEN	EN 12953-3:2002 Shell boilers — Part 3: Design and calculation for pressure parts	—	
CEN	EN 12953-4:2002 Shell boilers — Part 4: Workmanship and construction of pressure parts of the boiler	—	
CEN	EN 12953-5:2002 Shell boilers — Part 5: Inspection during construction, documentation and marking of pressure parts of the boiler	—	
CEN	EN 12953-6:2002 Shell boilers — Part 6: Requirements for equipment for the boiler	—	
CEN	EN 12953-7:2002 Shell boilers — Part 7: Requirements for firing systems for liquid and gaseous fuels for the boilers	—	
CEN	EN 12953-8:2001 Shell boilers — Part 8: Requirements for safeguards against excessive pressure	—	
CEN	EN 12953-12:2003 Shell boilers — Part 12: Requirements for grate firing systems for solid fuels for the boiler	—	
CEN	EN 13121-1:2003 GRP tanks and vessels for use above ground — Part 1: Raw materials — Specification conditions and acceptance conditions	—	
CEN	EN 13121-2:2003 GRP tanks and vessels for use above ground — Part 2: Composite mate- rials — Chemical resistance	—	
CEN	EN 13133:2000 Brazing — Brazer approval	—	
CEN	EN 13134:2000 Brazing — Procedure approval	—	
CEN	EN 13136:2001 Refrigerating systems and heat pumps — Pressure relief devices and their associated piping — Methods for calculation	—	
CEN	EN 13175:2003 Specification and testing for Liquefied Petroleum Gas (LPG) tank valves and fittings EN 13175:2003/A1:2005 EN 13175:2003/AC:2004	— Note 3	Date Expired (31.10.2005)
CEN	EN 13348:2001 Copper and copper alloys — Seamless, round copper tubes for medical gases or vacuum EN 13348:2001/A1:2005	— Note 3	Date Expired (31.10.2005)

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 13371:2001 Cryogenic vessels — Couplings for cryogenic service	—	
CEN	EN 13397:2001 Industrial valves — Diaphragm valves made of metallic materials	—	
CEN	EN 13445-1:2002 Unfired pressure vessels — Part 1: General	—	
CEN	EN 13445-2:2002 Unfired pressure vessels — Part 2: Materials	—	
CEN	EN 13445-3:2002 Unfired pressure vessels — Part 3: Design	—	
	EN 13445-3:2002/A4:2005	Note 3	Date Expired (31.1.2006)
	EN 13445-3:2002/A5:2005	Note 3	Date Expired (15.8.2006)
	EN 13445-3:2002/A6:2005	Note 3	Date Expired (31.8.2006)
	EN 13445-3:2002/A8:2006	Note 3	31.10.2006
CEN	EN 13445-4:2002 Unfired pressure vessels — Part 4: Fabrication	—	
CEN	EN 13445-5:2002 Unfired pressure vessels — Part 5: Inspection and testing	—	
	EN 13445-5:2002/A2:2005	Note 3	Date Expired (31.12.2005)
	EN 13445-5:2002/A3:2006	Note 3	30.11.2006
	EN 13445-5:2002/A5:2006	Note 3	28.2.2007
CEN	EN 13445-6:2002 Unfired pressure vessels — Part 6: Requirements for the design and fabri- cation of pressure vessels and pressure parts constructed from spheroidal graphite cast iron	—	
	EN 13445-6:2002/A1:2004	Note 3	Date Expired (31.10.2004)
CEN	EN 13458-1:2002 Cryogenic vessels — Static vacuum insulated vessels — Part 1: Funda- mental requirements	—	
CEN	EN 13458-2:2002 Cryogenic vessels — Static vacuum insulated vessels — Part 2: Design, fabrication, inspection and testing	—	
	EN 13458-2:2002/AC:2006		
CEN	EN 13458-3:2003 Cryogenic vessels — Static vacuum insulated vessels — Part 3: Opera- tional requirements	—	
	EN 13458-3:2003/A1:2005	Note 3	Date Expired (31.12.2005)

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 13480-1:2002 Metallic industrial piping — Part 1: General EN 13480-1:2002/A1:2005	— Note 3	Date Expired (31.12.2005)
CEN	EN 13480-2:2002 Metallic industrial piping — Part 2: Materials	—	
CEN	EN 13480-3:2002 Metallic industrial piping — Part 3: Design and calculation EN 13480-3:2002/A1:2005	— Note 3	Date Expired (28.2.2006)
CEN	EN 13480-4:2002 Metallic industrial piping — Part 4: Fabrication and installation	—	
CEN	EN 13480-5:2002 Metallic industrial piping — Part 5: Inspection and testing	—	
CEN	EN 13480-6:2004 Metallic industrial piping — Part 6: Additional requirements for buried piping EN 13480-6:2004/A1:2005	— Note 3	Date Expired (30.6.2006)
CEN	EN 13648-1:2002 Cryogenic vessels — Safety devices for protection against excessive pres- sure — Part 1: Safety valves for cryogenic service	—	
CEN	EN 13648-2:2002 Cryogenic vessels — Safety devices for protection against excessive pres- sure — Part 2: Bursting disc safety devices for cryogenic service	—	
CEN	EN 13648-3:2002 Cryogenic vessels — Safety devices for protection against excessive pres- sure — Part 3: Determination of required discharge — Capacity and sizing	—	
CEN	EN 13709:2002 Industrial valves — Steel globe and globe stop and check valves	—	
CEN	EN 13789:2002 Industrial valves — Cast iron globe valves	—	
CEN	EN 13923:2005 Filament-wound FRP pressure vessels — Materials, design, manufacturing and testing	—	
CEN	EN 14071:2004 Pressure relief valves for LPG tanks — Ancillary equipment	—	
CEN	EN 14075:2002 Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m ³ and for installation underground — Design and manufacture EN 14075:2002/A1:2004	— Note 3	Date Expired (30.6.2005)

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN 14129:2004 Pressure relief valves for LPG tanks	—	
CEN	EN 14197-1:2003 Cryogenic vessels — Static non-vacuum insulated vessels — Part 1: Fundamental requirements	—	
CEN	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	— Note 3	28.2.2007
CEN	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	— Note 3	Date Expired (31.12.2005)
CEN	EN 14222:2003 Stainless steel shell boilers	—	
CEN	EN 14276-1:2006 Pressure equipment for refrigerating systems and heat pumps — Part 1: Vessels — General requirements	—	
CEN	EN 14341:2006 Industrial valves — Steel check valves	—	
CEN	EN 14382:2005 Safety devices for gas pressure regulating stations and installations — Gas safety shut-off devices for inlet pressures up to 100 bar	—	
CEN	EN 14570:2005 Equipping of LPG tanks, overground and underground EN 14570:2005/A1:2006	— Note 3	Date Expired (31.8.2006)
CEN	EN 14585-1:2006 Corrugated metal hose assemblies for pressure applications — Part 1: Requirements	—	
CEN	EN ISO 15493:2003 Plastics piping systems for industrial applications — Acrylonitrile-buta- diene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlori- nated poly(vinyl chloride) (PVC-C) — Specifications for components and the system — Metric series (ISO 15493:2003)	—	

ESO (*)	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presump- tion of conformity of superseded standard Note 1
CEN	EN ISO 15494:2003 Plastics piping systems for industrial applications — Polybutene (PB), polyethylene (PE) and polypropylene (PP) — Specifications for components and the system — Metric series (ISO 15494:2003)	—	
CEN	EN ISO 15613:2004 Specification and qualification of welding procedures for metallic materials — Qualification based on pre-production welding test (ISO 15613:2004)	—	
CEN	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)	—	
CEN	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)	—	
CEN	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)	—	
CEN	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)	—	
CEN	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)	—	
CEN	EN ISO 15614-8:2002 Specification and qualification of welding procedures for metallic materials — Welding procedure test — Part 8: Welding of tubes to tube-plate joints (ISO 15614-8:2002)	—	
CEN	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)	—	
CEN	EN ISO 15620:2000 Welding — Friction welding of metallic materials (ISO 15620:2000)	—	
CEN	EN ISO 16135:2006 Industrial valves — Ball valves of thermoplastics materials (ISO 16135:2006)	—	

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CEN	EN ISO 16136:2006 Industrial valves — Butterfly valves of thermoplastics materials (ISO 16136:2006)	—	
CEN	EN ISO 16137:2006 Industrial valves — Check valves of thermoplastics materials (ISO 16137:2006)	—	
CEN	EN ISO 16138:2006 Industrial valves — Diaphragm valves of thermoplastics materials (ISO 16138:2006)	—	
CEN	EN ISO 16139:2006 Industrial valves — Gate valves of thermoplastics materials (ISO 16139:2006)	—	
CEN	EN ISO 21787:2006 Industrial valves — Globe valves of thermoplastics materials (ISO 21787:2006)	—	

⁽¹⁾ ESO: European Standardisation Organisation:

— CEN: rue de Stassart 36, B-1050 Brussels, Tel. (32-2) 550 08 11; fax (32-2) 550 08 19 (<http://www.cenorm.be>)

— CENELEC: rue de Stassart 35, B-1050 Brussels, Tel. (32-2) 519 68 71; fax (32-2) 519 69 19 (<http://www.cenelec.org>)

— ETSI: 650, route des Lucioles, F-06921 Sophia Antipolis, Tel. (33) 492 94 42 00; fax (33) 493 65 47 16 (<http://www.etsi.org>)

Note 1 Generally the date of cessation of presumption of conformity will be the date of withdrawal ('dow'), set by the European Standardisation Organisation, but attention of users of these standards is drawn to the fact that in certain exceptional cases this can be otherwise.

Note 3 In case of amendments, the referenced standard is EN CCCC:YYYY, its previous amendments, if any, and the new, quoted amendment. The superseded standard (column 3) therefore consists of EN CCCC:YYYY and its previous amendments, if any, but without the new quoted amendment. On the date stated, the superseded standard ceases to give presumption of conformity with the essential requirements of the directive.

NOTE:

— Any information concerning the availability of the standards can be obtained either from the European Standardisation Organisations or from the national standardisation bodies of which the list is annexed to the Directive 98/34/EC ⁽¹⁾ of the European Parliament and Council amended by the Directive 98/48/EC ⁽²⁾.

— Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the Community languages.

— This list replaces all the previous lists published in the *Official Journal of the European Union*. The Commission ensures the updating of this list.

More information about harmonised standards on the Internet at

<http://europa.eu.int/comm/enterprise/newapproach/standardization/harmstds/>

⁽¹⁾ OJL 204, 21.7.1998, p. 37.

⁽²⁾ OJL 217, 5.8.1998, p. 18.