

BCGA Publications – Codes of Practice

CP4

Industrial Gas Cylinder Manifolds & Distribution Pipework/Pipelines (excluding acetylene). Revision 3:2005

Gives minimum safety standards for design, installation, operation and maintenance of industrial gas supply manifolds, and associated distribution pipework up to 54 mm nominal bore. The manifold pressure is up to 300 bar, while the distribution pressure is limited to 40 bar.

£60

CP5

The Design & Construction of Manifolds using Acetylene Gas from 1.5 bar to a Maximum Working Pressure of 25 bar (362 lbf/in²). Revision 1: 1998

Covers the design and construction of acetylene gas manifolds, working at pressures from 1.5 bar up to 25 bar. The statutory requirements in such systems are detailed.

£45

CP6

The Safe Distribution of Acetylene in the Pressure Range 0-1.5 bar (0-22 lbf/in²). Revision 1: 1998

Gives guidance on the safe distribution of acetylene at pressures between 0 -1.5 bar. Both fixed and mobile systems are included, as are the statutory requirements.

£50

CP7

The Safe Use of Oxy-Fuel Gas Equipment (Individual Portable or Mobile Cylinder Supply). Revision 5: 2008

Minimum safety standards for the use, inspection and maintenance of oxy-fuel gas welding, cutting and heating equipment incorporating individual portable or mobile cylinder gas supplies.

£40

CP15 Part 1

The Safe Re-rating of Existing BS 5045: Part 1: 1982 Containers to Amendment AMD 5145: 1986. Containers for Permanent Gases. Revision 2: 2004

Establishes a procedure for the re-rating of gas cylinders manufactured to BS 5045 Part 1 1982 to a charging pressure consistent with the test pressure as specified in AMD 5145 of August 1986 to BS 5045 Part 1 1982.

£35

CP15 Part 2

The Safe Re-rating of Existing BS 5045: Part 1: 1982 Containers to Amendment AMD 5145: 1986. Containers for Hydrogen Trailer Service. Revision 2: 2004

Establishes a procedure for the re-rating of gas cylinders manufactured to BS 5045 Part 1 1982 to a charging pressure consistent with the test pressure as specified in AMD 5145 of August 1986 to BS 5045 Part 1 1982.

£35



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CP16

Movement of Static Storage Tanks for Non-Flammable, Non-Toxic Gases by Road. Revision 3: 2006

The movement on public roads of tanks designed for the static storage of liquefied gases. Tanks containing toxic or flammable gases are not included. Statutory requirements are detailed.

£30

CP17

The Repair of Hand-held Blowpipes & Gas Regulators used with Compressed Gases for Welding, Cutting & Related Processes. Revision 2: 2004

This Code of Practice defines minimum standards for the safe repair of gas welding and cutting equipment which are required to ensure that repaired equipment meets current safety and operational standards. Originally prepared in co-operation with equipment repairers, it has been revised to cover changes in the relevant standards and new legislation. It lays down the basic requirements against which gas equipment repairers can be assessed for certification by accredited certification bodies.

£45

CP18

The Safe Storage, Handling & Use of Special Gases in the Micro-Electronics Industry. Revision 2: 2005

This Code of Practice gives technical and safety guidelines and principles for the safe storage and handling of special gases and liquids in transportable containers up to the point where product is provided at the required pressure and flow at the junction with the user process. Guidelines on disposal are also given. The Code will assist companies to formulate their own design and operation policies and practices for the storage, handling and use of special gases and liquids. The safe operation of processes is not included, although many of the principles given in this Code will apply.

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CP20

Bulk Liquid Oxygen Storage at Production Sites. Revision 2: 2002

Covers liquid oxygen storage installations on production sites where the storage is connected to the production process plant. No upper limit on tank size applies.

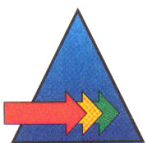
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CP22

Bulk Liquid Argon or Nitrogen Storage at Production Sites. Revision 1: 2002

Covers liquid argon or nitrogen storage installations on production sites where the storage is connected to the production process plant. No upper limit on tank size applies.

£50



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CP23

Application of the Pressure Systems Safety Regulations 2000 to Industrial and Medical Pressure Systems Installed at User Premises. Revision 1: 2002

Gives detailed requirements imposed by the Pressure Systems Safety Regulations 2002 on gas systems, containers and mobile systems installed at users premises.

£50

CP24

Application of the Pressure Systems and Transportable Gas Containers Regulations 1989 to Operational Process Plant: Revision 1: 2004

The Pressure Systems Safety Regulations 2000 (S.I.128) include requirements for the in-service inspection and maintenance of pressure systems. This code of practice addresses these requirements for such systems installed at process plant within the industrial gases industry. Model written schemes of examination are provided for typical installations.

£50

CP25

Revalidation of Bulk Liquid Oxygen, Nitrogen, Argon and Hydrogen Cryogenic Storage Tanks. Revision 2: 2004

Covers the revalidation for continued service of static tanks designed for the storage of cryogenic gases. Tanks above 1,000 litres capacity are covered.

£50

CP26

Bulk Liquid Carbon Dioxide Storage at Users Premises. Revision 2: 2004

The design, installation, operation and maintenance of bulk liquid carbon dioxide storage systems at users premises. Tanks between 1,000 and 250,000 litres capacity are included.

£50

CP27

Transportable Vacuum Insulated Containers of not more than 1000 litres volume: Revision 1: 2004

This code of practice applies to transportable, vacuum insulated, tanks of not more than 1,000 litres water capacity, for the following gases: Nitrogen, argon, oxygen, carbon dioxide, helium or nitrous oxide. This code provides guidance for the minimum requirements for: General safety precautions, design and construction, operation, tank management and filling, transportation, in-service examination, modifications/repairs and records.

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CP28

Vacuum Insulated Tanks of not more than 1,000 litres volume which are Static Installations at User Premises: Revision 1: 2004

This code of practice applies to vacuum insulated tanks of not more than 1,000 litres water capacity, used as fixed installations for the following gases: Nitrogen, argon, oxygen, carbon dioxide, helium or nitrous oxide. This code provides guidance for the minimum requirements for: General safety precautions, design and construction, operation, tank management and filling, transportation, in-service examination, modifications/repairs and records.

£50

CP29

The Design and Operation of Cylinder and Tube Trailers for the Safe Transport of Compressed Gases by Road. Revision 1 : 2006

Provides practical guidance on the design, construction, examination, testing and certification, and the filling/discharging of cylinder vehicle/trailers used for the domestic conveyance of compressed, but not liquefiable gases.

£50

CP30

The Safe Use of Liquid Nitrogen Dewars up to 50 litres: Revision 1 - 2008

Specifically addresses the use of liquid nitrogen in open dewars and dewars fitted with liquid withdrawal attachments operating at less than 0.5 bar. Covers the storage, filling, use and maintenance of dewars of not more than 50 litres capacity.

£40

CP31

Safe Storage and Use of Cylinders in Mobile Workshops and Service Vehicles

Covers the design and construction of mobile workshops and other specialist vehicles with regard to the safe storage of cylinders and the installation of gas equipment on such vehicles. Also includes procedures for safe operation and training.

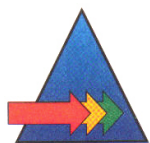
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CP32

The Safe Use of N₂, CO₂ and CO₂/N₂ Cylinders in the Beverage Dispense Industry: Revision 1 - 2008

This Code of Practice is based on the previously issued Guidance Note GN4 (now withdrawn). It addresses safety and operational issues for mixed gas and carbon dioxide cylinders used in the beverage industry. The document covers cylinder identification, handling, use, corrosion prevention, and product quality.

£35



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CP33

The Bulk Storage of Gaseous Hydrogen at Users' Premises. 2005.

Code of Practice CP33 covers the location, design, installation, commissioning, operation and maintenance of equipment for the bulk storage and supply of compressed hydrogen gas at users premises.

Reference is made to relevant legislation, Codes of Practice and Standards and summarises the hazards and properties of compressed hydrogen.

Compliance with the Management of Health & Safety at Work Regulations will require risk assessments to be carried out, which may include a formal HAZOP, during the process of installation of bulk hydrogen systems.

£40

CP34

The Application of the Pressure Equipment Regulations to Customer Sites: 2003.

Provides interpretation of the Pressure Equipment Regulations 1999 (S.I.2001) in terms of their application to pressure systems installed at users premises. Issues arising from the re-use of existing equipment in otherwise new installations are covered in detail.

£50

CP35

Filling gas cylinders with liquefiable gases for transport within the United Kingdom.

This Code of Practice gives data about the filling ratios applicable when filling gas cylinders with liquefiable gases for transport within the United Kingdom. It does not apply to any international transport – in this case the requirements of ADR will apply. It can therefore only be used with non p-marked cylinders.

Information is also given on the developed pressures in cylinders of compressed gas exposed to UK and other area climatic conditions. In some cylinder design codes the developed pressure is an important element in the establishment of the correct design criteria. Cylinders being exported from the UK may also need to be checked for safety according to the climatic conditions they may be exposed to.

£60

CP36

Bulk Cryogenic Liquid Storage at Users Premises

New publication replacing CP19 and CP21. It provides a single document which covers installations of cryogenic liquid storage and associated equipment at customer sites, for liquid oxygen, nitrogen and argon. Tank sizes range from 1000 litres to 125000 litres water capacity.

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