



AIGA Technical Publications List (as on end of Aug 2019)

AIGA aims to produce technical literatures for the industry in Asia. These shall include standards, safety bulletins, position papers and best practice documents and recommendations for safety and environmental care in the production, storage and distribution of industrial gases in line with practices in Japan, Europe and the United States.

AIGA publications are made available to the general public on its website. The publications are listed below.

Members with login password would be able to access information available to AIGA members only.

AIGA Publication Catalogue **AIGA Technical Publications List**

:Safety Bulletins:

SB 14/19	Liquid Nitrogen in Molecular Cooking
SB 13/18	CO2 Physiological hazards, not just an asphyxiate
SB 12/18	Transportation Safety - Challenges and Strategies
SB 11/18	Human Behaviour within Transport Safety Operations
SB 10/17	Prevention of accidents due to overheated or burning tyres
SB 08/17	In Cab Camera Installation and How it improves Transport Safety
SB 07/11	Safety at customer sites
SB 06/10	Safe handling of compressed gases in the laboratory and plant
SB 05/10	Recent cases of asphyxiation in confined spaces in Asia
SB 04/16	Potential hazards of quick opening cylinder valves used with firefighting gases
SB 03/06	Safe operation of forklift trucks
SB 02/09	Influenza pandemic preparedness
SB 01/05	Safe use of acetylene

:Safety Poster:

SP 01/15	Safety poster in driver fatigue
SP 02/15	Safety poster in driver fatigue signs and prevention
SP 03/17	Safety Poster on driving distraction due to use of mobile phone
SP 04/17	Driver distraction due to mobile phone use, series 2.0
SP 05/17	Safety Poster on Asphyxiation Hazard from Inert Gases
SP 06/19	Safe Handling of Cylinders
SP 07/19	Process Safety

:Position Paper:

Position paper 05	Long term durability of steel gas cylinders
Position Paper 04	Trans filling of medical gas cylinders
Position Paper 03	Tapered and parallel (straight) threads in aluminium alloy cylinders
Position Paper 02	MOU -Gas cylinder ownership and responsibilities in Asian countries
Position Paper 01	GMP Guide for medicinal gases

:Publications:

AIGA 104/19	Safety Principles For Pressure Regulators For Medical Oxygen Cylinder
AIGA 103/19	Guidelines For Safe And Hygienic Handling Of Dry Ice
AIGA 102/19	Safety Guidelines : Prevention Of Wheel Detachment
AIGA 101/19	A Reference Guide On Cryogenic Tanker Product Conversion
AIGA 100/18	Hydrogen PSA Mechanical Integrity
AIGA 099/17	Process safety management framework guidance
AIGA 098/17	Ref guide on industrial gas cylinder valve outlet connections
AIGA 097/17	Ref guide on medical gases cylinder valves
AIGA 096/16	Hydrogen selenide (harmonised publication)
AIGA 095/16	Mechanical integrity of syn gas outlet systems (harmonised publication)
AIGA 094/16	Design, mfg, Opn & Maint of valves in Lox & Cold Gox systems(harmonised publication)
AIGA 093/16	Guideline on Location of Occupied Buildings in IG Plants(harmonised publication)
AIGA 092/15	Prevention of Tow-away incidents(harmonised publication)
AIGA 091/14	Guidelines for qualifying customers purchasing gases
AIGA 090/14	Reference guide for requalification of gas cylinders
AIGA 089/14	Reciprocating cryogenic pumps and pump installations(harmonised publication)
AIGA 088/14	Labelling of medical gas containers
AIGA 087/14	Hydrogen piping systems at user location(harmonised publication)
AIGA 086/14	Safe start up and shutdown practices for steam reformers (harmonised publication)
AIGA 085/13	LOX, LIN and LAR cryogenic tanker loading system guide (harmonised publication)
AIGA 084/13	Methodology to establish Product Carbon Footprint
AIGA 083/13	Disposal of gases (harmonised publication)
AIGA 082/13	Combustion safety for steam reformer operation (harmonised publication)
AIGA 081/16	Safe practices for storage and handling of nitrous oxide (harmonised publication)
AIGA 080/16	Safe practices for the production of nitrous oxide from ammonium nitrate (harmonised publication)
AIGA 079/12	Safe design & operation of cryogenic enclosures(harmonised publication)

AIGA 078/12	Member's area only (IHC Work Process)
AIGA 077/11	Guidelines for handling externally contaminated medical cylinders in a pandemic situation
AIGA 076/13	Safe use of aluminum structured packing for oxygen distillation (harmonised publication)
AIGA 075/11	Calculation method for the analysis and prevention of overpressure during refilling of cryogenic tanks with rupture disk(s) [harmonised publication]
AIGA 074/11	Safe handling of carbon dioxide containers that have lost pressure (harmonised publication)
AIGA 073/13	Tap water corrosion of composites with AA 6061 liners(harmonised publication)
AIGA 072/11	Guidelines for transport by sea of MEGCS and portable tanks for transport of gases (harmonised publication)
AIGA 071/13	Centrifugal compressors for oxygen service (harmonised publication)
AIGA 070/14	Leak detection fluids cylinder packages(harmonised publication)
AIGA 069/10	Recommendations for safe filling of CO2 cylinders and bundles
AIGA 068/10	Carbon Dioxide (harmonised publication)
AIGA 067/17	Safe location of oxygen and inert gas vents (harmonised publication)
AIGA 066/18	Selection of personal protective equipment (harmonised publication)
AIGA 065/13	Avoidance of failure of CO and CO-CO2 mixtures in cylinders (harmonised publication)
AIGA 063/16	Use of residual pressure valves(harmonised publication)
AIGA 062/15	Methods to avoid and detect internal gas cylinder corrosion (harmonised publication)
AIGA 061/13	Safe use of gas cylinders in marine service
AIGA 060/11	Safe installation and operation of PSA and membrane oxygen and nitrogen generators(harmonised publication)
AIGA 059/17	Design considerations to mitigate potential risks of toxicity of non-metallics in high pressure oxygen breathing systems(harmonised publication)
AIGA 058/16	Safe preparation of compressed oxidant fuel gas mixtures in cylinders (harmonised publication)
AIGA 057/16	Safe use of brazed aluminum heat exchangers for producing pressurized oxygen (harmonised publication)
AIGA 056/14	Safe practices guide for cryogenic air separation plants (harmonised publication)
AIGA 055/14	Installation guide for stationary, electric motor driven centrifugal liquid oxygen pumps (harmonised publication)
AIGA 054/08	Prevention of excessive pressure during filling of cryogenic vessels (harmonised publication)
AIGA 053/13	Code of practice for fluorine & mixtures with inert gases (harmonised publication)
AIGA 052/16	Storage & handling of silane & silane mixtures(harmonised publication)
AIGA 051/08	Code of practice Phosphine (harmonised publication)
AIGA 050/08	Code of practice Arsine (harmonised publication)
AIGA 049/17	Guidelines to bulk medical oxygen supply system for healthcare facilities
AIGA 048/18	Reciprocating compressors for oxygen service (harmonised publication)

AIGA 047/08	Safe preparation of gas mixtures (harmonised publication)
AIGA 046/08	Periodic inspection of static cryogenic vessels
AIGA 045/07	Gaseous hydrogen stations
AIGA 044/07	Flexible connections in high pressure gas systems
AIGA 043/15	Member's area only (Transport security guidance for members)
AIGA 042/16	Work Injury & Product Vehicle Accident statistics
AIGA 041/06	Defensive driving
AIGA 040/06	Good practices guide for loading & unloading of cryogenic liquid tankers
AIGA 039/16	Road transport emergency preparedness
AIGA 038/06	Vertical cylinder handling & transportation
AIGA 037/16	Permissible charge/filling conditions for acetylene cylinders
AIGA 036/16	Guidelines for management of waste acetylene cylinders
AIGA 035/13	Safe operation of reboilers/condensers in air separation units (harmonised publication)
AIGA 034/15	Carbon monoxide & syngas pipeline systems (harmonised publication)
AIGA 033/14	Hydrogen pipeline systems (harmonised publication)
AIGA 032/12	Perlite Management (Harmonised publication)
AIGA 031/13	Bulk oxygen, nitrogen & argon storage systems at production sites
AIGA 030/06	Storage of cryogenic air gases at users premises
AIGA 029/10	Code of practice Nitrogen Trifluoride (harmonised publication)
AIGA 028/06	Unmanned Air Gas plant - Design & Operation(harmonised publication)
AIGA 027/15	Cryogenic vaporisation systems - Prevention of brittle fracture of equipment and piping (harmonised publication)
AIGA 026/13	Principles for safe handling & distribution of highly toxic gases & mixtures
AIGA 025/13	Pressure receptacles with blocked or inoperable valves
AIGA 024/10	Connections for transportable & static bulk storage tanks
AIGA 023/17	GMP Guide for medicinal gases
AIGA 022/13	Code of practice Acetylene
AIGA 021/12	Oxygen pipeline and piping systems
AIGA 019/17	Connections for portable liquid cylinders
AIGA 018/10	Safe handling of electronic specialty gases (harmonised publication)
AIGA 017/05	Labelling of gas containers (including associated equipment)
AIGA 016/05	Safety features of portable cryogenic liquid containers for industrial & medical gases
AIGA 015/15	Safety rules for contractors
AIGA 014/05	Safety Audit Guidelines
AIGA 013/05	Incident/Accident Investigation and Analysis



AIGA 012/04	Cleaning of equipment for oxygen service
AIGA 011/04	Work Permit System
AIGA 010/04	Management of Change
AIGA 009/10	Safety training of employees
AIGA 008/18	Hazards of inert gases and oxygen depletion
AIGA 007/04	Job Motivation & safe operations in cylinder filling stations
AIGA 006/15	Good environmental management practices for the industrial gas industry
AIGA 005/18	Fire hazards of oxygen and oxygen enriched atmospheres
AIGA 004/13	Handling gas container emergencies
AIGA 003/14	Member's area only (Site security guidance for members)

**:: Training
Packages ::**

AIGA TP 24/19	Recent (2018) Accidents / Incidents in the Gases Industry in Asia
AIGA TP 23/18	Recent(2017) Incidents I gases industry in Asia(Members only)
AIGA TP 22/17	Recent(2016)incidents in gases industry in Asia(Members only)
AIGA TP 21/16	Safe filling of open top Dewar's & flasks from cryogenic liquid cylinders
AIGA TP 20/16	Safe visits to customer site for occasional visitors
AIGA TP 19/16	Recent(2015)incidents in gases industry in Asia
AIGA TP 18/15	Rollover prevention
AIGA TP 17/15	Eliminate or avoid hazards with two wheelers
AIGA TP 16/15	Driver fatigue management
AIGA TP 15/15	Cylinder pre-fill inspection
AIGA TP 14/15	Recent(2014) Incidents in gases industry in Asia(Members only)
AIGA TP 13/13	Recent(2013) Incidents in gases industry in Asia(Members only)
AIGA TP 12/12	Recent(2012) Incidents in gases industry in Asia(Members only)
AIGA TP 11/12	Safe use and handling of portable liquid cylinders
AIGA TP 10/12	Safe driving in bad weather conditions
AIGA TP 09/12	Recent Incidents in gases industry in Asia(Members only)
AIGA TP 08/11	Recent Incidents in gases industry in Asia (Members only)
AIGA TP 07/11	Near Misses in Electronic Specialty Gases
AIGA TP 06/06	Work Permit System
AIGA TP 05/05	Prevention of Over Pressurization



AIGA TP 04/05	Slips, trips & falls
AIGA TP 03/05	Safe storage, handling & use of compressed gases
AIGA TP 02/05	Fire hazards of oxygen & oxygen enriched atmospheres
AIGA TP 01/04	Oxygen Deficiency