

GAS TECHNOLOGY CONSULTANTS, INC.



Solutions to Problems Through Applied Technology



Codes and Standards

Gas Technology Consultants provides technical assistance and professional services to assist its clients in conformance and compliance to standards, regulatory codes, procedures and safe practices, as required by specific governing agencies and regulatory bodies, including:

- The American Welding Society (AWS)
- The Compressed Gas Association (CGA)
- The National Fire Protection Association (NFPA)
- The American Petroleum Institute (API)
- The American Bureau Of Shipping (ABS)
- The American Society Of Mechanical Engineers (ASME)
- The American Society For Testing & Materials (ASTM)
- The Rubber Manufacturers Association (RMA)
- The American National Standards Institute (ANSI)
- The Liquefied Petroleum Gas Commission (LPG-COMM)
- Military Specification (MIL-SPEC)
- The U. S. Food & Drug Administration (FDA)
- The U. S. Pharmacopeia (USP)
- The U. S. Department Of Transportation (DOT)
- The Environmental Protection Agency (EPA)
- The Department Of Environmental Quality (DEQ)
- The Occupational Safety & Health Administration (OSHA)



Safety Statement

From ASTM, CGA, NFPA, and others: "Design, layout and safe operation of oxygen & gas distribution piping systems are the **responsibilities of the oxygen system users**, who should obtain **qualified professional assistance**, to establish design specifications and operating practices for the safe use of oxygen".

From Gas Technology Consultants: There are many subjective judgments, external influences, and compromises involved with gas distribution piping systems. **Each system must be designed individually**, while assuring that all critical data and essential variables are selected and applied – for each specific system – without exception.

GAS TECHNOLOGY CONSULTANTS, INC.

Post Office Box 6317 ♦ Metairie, Louisiana 70009-6317 ♦ Office: (504) 885-9600 ♦ Wats: (800) 721-4240 ♦ Fax: (504) 466-7922
www.GasTechnologyConsultants.com

“AUTHORITY HAVING JURISDICTION” – “AHJ”

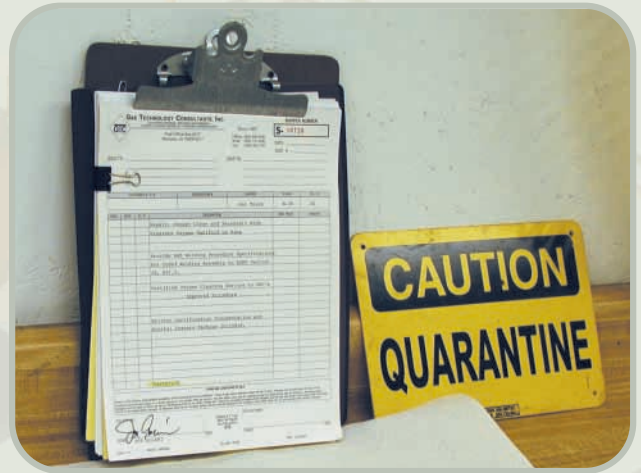
NFPA 51: “Design and Installation of Oxygen/Fuel Gas Systems for Welding, Cutting, and Allied Processes”

A.3.2.1: “APPROVED”

The National Fire Protection Association does not approve, inspect, or certify any installations, procedures, equipment, or materials; nor does it approve or evaluate testing laboratories. In determining the acceptability of installations, procedures, equipment, or materials, the “AUTHORITY HAVING JURISDICTION” may base acceptance on compliance with NFPA or other appropriate standards. In the absence of such standards, said authority may require evidence of proper installation, procedure, or use. The “AUTHORITY HAVING JURISDICTION” may also refer to the listings or labeling practices of an organization that is concerned with product evaluations and is thus in a position to determine compliance with appropriate standards for the current production of listed items.

A.3.2.2: “AUTHORITY HAVING JURISDICTION” (AHJ)

The phrase “AUTHORITY HAVING JURISDICTION”, or its acronym “AHJ”, is used in NFPA documents in a broad manner, since jurisdictions and approval agencies vary, as do their responsibilities. Where public safety is primary, the “AUTHORITY HAVING JURISDICTION” may be a federal, state, local, or other regional department or individual such as a fire chief; fire marshal; chief of a fire prevention bureau, labor department, or health department; building official; electrical inspector; or others having statutory authority. For insurance purposes, an insurance inspection department, rating bureau or other insurance company representative may be the “AUTHORITY HAVING JURISDICTION”. In many circumstances, the property owner or his or her “DESIGNATED AGENT” assumes the roll of the “AUTHORITY HAVING JURISDICTION”; at government installations, the commanding officer or departmental official may be the “AUTHORITY HAVING JURISDICTION”.



NOTE: The combustibility and potential for adiabatic compression in all installations, procedures, equipment, and material for oxygen and fuel gas piping systems mandate that a qualified “DESIGNATED AGENT” serves as “AUTHORITY HAVING JURISDICTION”, without exception.

Gas Technology Consultants, Inc. serves its customers as “DESIGNATED AGENT”, and assumes the role of the “AUTHORITY HAVING JURISDICTION” according to the National Fire Protection Association, Publication 51.

More about Gas Technology Consultants, Inc.

Gas Technology Consultants, located in metro New Orleans, Louisiana, provides technical assistance and professional services to assist its clients in conformance and compliance to standards, regulatory codes, procedures and safe practices, as required by specific governing agencies and/or regulatory bodies. With over 200 years combined expertise in the compressed gas industry, Gas Technology Consultants understands the importance of moving molecules from the source to the point of use – safely and profitably.

How may we serve you today?

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