## Mapping Safe Hydrogen Standards

Hydrogen safety standards are guidelines and regulations that are designed to ensure the safe storage, handling, and transportation of hydrogen. This map will help you identify the operational safety standards published by the Compressed Gas Association (CGA) that best suit your needs.



SafeHydrogenProject.org





- CGA H-10, Combustion Safety for Steam Reformer Operation
- CGA H-11, Safe Startup and Shutdown Practices for Steam Reformers
- CGA H-12, Mechanical Integrity of Syngas Outlet Systems
- CGA H-13, Hydrogen Pressure Swing Adsorber (PSA) Mechanical Integrity Requirements
- CGA H-14, HYCO Plant Gas Leak Detection and Response Practices
- CGA H-15, Safe Catalyst Handling in HYCO Plants
- CGA P-89, Prevention of Plant Instrument and Utility Gas System Cross Contamination



- CGA G-5, Hydrogen
- CGA G-5.3, Commodity Specification for Hydrogen
- CGA H-4, Terminology Associated with Hydrogen Fuel Technologies
- CGA G-5.4, Standard for Hydrogen Piping Systems at User Locations
- CGA G-5.5, Hydrogen Vent Systems
- CGA G-5.6, Hydrogen Pipeline Systems
- CGA G-5.7, Carbon Monoxide and Syngas Pipeline Systems
- CGA PS-31, Position Statement on Cleanliness for Proton Exchange Membranes Hydrogen Piping/Components
- CGA PS-46, Position Statement on Roofs Over Hydrogen Storage Systems
- CGA PS-48, Position Statement on Clarification of Existing Hydrogen Setback Distances and Development of New Hydrogen Setback Distances in NFPA 55
- CGA PS-69, Position Statement on Liquefied Hydrogen Supply System Separation Distances



- CGA G-5.4 Standard for Hydrogen Piping Systems at User Locations
- CGA G-5.5 Hydrogen Vent Systems
- CGA H-3 Standard for Cryogenic Hydrogen Storage
- CGA H-5 Standard for Bulk Hydrogen Supply Systems (an American National Standard)
- CGA P-28 OSHA Process Safety
   Management and EPA Risk Management
   Plan Guidance Document for Bulk Liquid
   Hydrogen Supply Systems
- CGA P-74 Standard for Tube Trailer Supply Systems at Customer Sites
- CGA PS-46 Position Statement on Roofs Over Hydrogen Storage Systems
- CGA PS-48 Position Statement on Clarification of Existing Hydrogen Setback Distances and Development of New Hydrogen Setback Distances in NFPA 55
- CGA PS-69 Position Statement on Liquefied Hydrogen Supply System Separation Distances



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