



## CGA LEARNING MODULES

- ☐ **DEVALVING COMPRESSED GAS CYLINDERS**  
This course explores the hazards of devalving compressed gas cylinders, requirements and recommendations for devalving compressed gas cylinders, and devalving guidelines.
- ☐ **FILLING OF HIGH-PRESSURE MEDICAL OXYGEN CYLINDERS**  
This course discusses oxygen properties and hazards, cylinder filler qualification and trainer, cylinder filler personal protective equipment or PPE, cylinder and valve types, cylinder markings, pre-cylinder inspections, filling cylinders and labeling.
- ☐ **FILLING OF UNINSULATED CARBON DIOXIDE CYLINDERS**  
This course explains carbon dioxide properties and hazards, cylinder filler personal protective equipment or PPE, types of cylinders and valves commonly used, cylinder markings, pre-fill cylinder inspection, preparation of cylinders for filling, filling cylinders, handling and storage of full cylinders.
- ☐ **INTRODUCTION TO COMPRESSED GAS CYLINDER VALVES**  
This course provides an overview of basic valve terminology; valve types, how they operate, where they are used and materials of construction; cylinder valve outlets and pressure relief devices.
- ☐ **INTRODUCTION TO PERIODIC REQUALIFICATION**  
This course includes information on what periodic requalification is and why it is essential, considerations for periodic requalification, overview of steps during periodic requalification, different methods of periodic requalification, what happens after periodic requalification, and periodic requalification resources.
- ☐ **OXYGEN SAFE HANDLING AND STORAGE**  
This course provides basic safety information to inform the user so that hazards are understood and risks are mitigated and covers the following areas: oxygen properties, working around oxygen, fire hazards, oxygen leaks, spills, cleaning and materials of construction.
- ☐ **SAFE HANDLING AND STORAGE OF COMPRESSED GASES**  
This course covers cylinder and container examples/markings; equipment examples; understanding labels, symbols or pictograms and product classification; moving, storing connecting and using cylinders and containers; emergency response and site security; regulations.
- ☐ **SAFE HANDLING OF CRYOGENIC LIQUIDS IN PORTABLE CONTAINERS**  
This course is intended to provide an overview of the following areas related to cryogenic liquids: properties and characteristics, container and equipment, safe storage/handling and use.
- ☐ **SPECIALTY GASES AND SPECIALTY GAS MIXTURES**  
This course touches on what differentiates specialty gases and specialty gas mixtures from an industrial gas or mixture, types of specialty gases and gas mixtures, how specialty gas mixtures are prepared, specific cautions when preparing specialty gas mixtures, and how CGA publications can assist in their classification and handling.
- ☐ **THE SAFE PREPARATION OF COMPRESSED OXIDANT-FUEL GAS MIXTURES**  
This course introduces the minimum recommendation for the safe preparation of compressed oxidant-fuel gas mixtures and cylinders, avoiding risks by applying key principles for compressed oxidant-fuel gas manufacturer, manufacturing of oxidant-fuel gas mixtures, gas mixing; equipment, preparation, filling, analysis, disposal and emergency planning.