



## SDI Visual Inspection Procedures

### Course Objectives:

This course is designed to promote safety in the care and maintenance of high-pressure scuba cylinders. The VIP program is intended to demonstrate to the scuba industry, a need to meet and exceed the minimum standards established by the *Code of Federal Regulations* of handling high-pressure cylinders. In addition, it is intended to train inspectors in the proper handling, filling, and inspection techniques, including the identification of the various defective conditions that can lead to cylinder rejection or condemnation. The course will also cover valve repairs, cleaning, maintenance, and the operation of high pressure compressor systems and is expanded well beyond minimum requirements to give students plenty of hands-on experience and confidence. This is why our course is conducted over 2 days instead of 6 contact hours required by the agency.

### Who this course is for:

- Professionals who utilize high-pressure cylinders on a regular basis
- Dive professionals who inspect, fill, and utilize high pressure cylinders
- Fill station operators (FSO) who would like to learn the safe methods of handling, transporting and filling of high-pressure

### What you can expect to learn:

- Types of high pressure cylinders; steel, aluminum, and composite
- Definition of compressed gas and when it becomes a safety risk
- Different uses for high pressure cylinders
- Rules and regulations for various types of high pressure cylinders
- Importance of hydrostatic testing of high pressure cylinders, how cylinders are marked for testing
- Safe handling and tools necessary for thorough visual inspections
- Conditions that reject or condemn cylinders

### What's in it for you?

- ISO approved course covering specific hazmat training
- Tools and knowledge to safely handle high-pressure cylinders
- Thorough supervised walk through of high-pressure cylinders

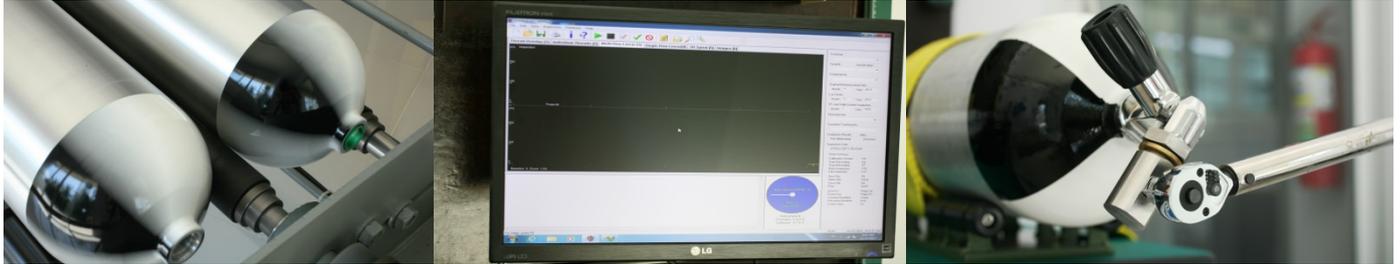
Upon successful completion of this course graduates may:

1. Visually inspect high-pressure cylinders for defective conditions that could cause a cylinder failure.
2. Train fill station operators (FSO) in the safe methods of handling, transporting and filling of high-pressure scuba cylinders.

**Prerequisites:** 18 years old

**Duration:** 2 days

**Course fee:** See pricelist



## Course Outline:

### Purpose

- Legal requirements, standards of the community

### Safe Handling of Cylinders

- Fill station operator rules and recommendations
- Identification of the various cylinder markings
- Legal / illegal filling requirements
- Filling procedures
- Use of and interpretation of EOI stickers

### Tools and their uses

### Visual inspection indications

- Proper identification of the various defect conditions

### Criteria for rejection and condemnation of a cylinder

- Define the criteria for cylinder rejection
- Define the criteria for condemning a cylinder

### Other services

- Valve inspection and cleaning
- Compressor operations
- Oxygen cleaning

### The basis for cylinder cleaning

### Visual Inspection Procedure

- Step by step walk-through of the inspection process

### Skill Performance

- Inspect a cylinder during the program
- Satisfactorily complete the SDI Visual Inspection written examination with a score of at least 80%
- Demonstrate the ability to identify those conditions in a cylinder that would reject or condemn it

The course is mainly focused upon the US – CGA norms. During the course we will expand our knowledge toward European and local legislation as well.





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