



TDI Oxygen Service Technician

Course Objectives:

In this course, the participants will be able to expand upon the skills received in PADI Regulator Service Technician Distinctive Specialty. This course covers the techniques and procedures to properly prepare equipment for use with breathing gases other than air, covering oxygen compatible system components, cleaning chemicals, oxygen cleaning of cylinders valves and regulators.

Prerequisites: 18 years old and provide proof of the following:

- Certification as TDI Nitrox Gas Blender or equivalent
- VIP certification through a recognized agency*
- Certification through a recognized manufacturing company regulator clinic**
- Employment through a recognized scuba related facility, manufacturer/distributor or proof of intent to acquire such employment

**VIP certification may be offered in combination with this course.*

***Not required if training as TDI Cylinder Oxygen Service Technician only.*

Duration: 1 day

Course fee: See pricelist

Course Outline:

1. Responsibility of the Service Technician
2. Oxygen Handling
 - a. Oxygen compatible systems components
3. Equipment Servicing
 - a. Materials for use in oxygen cleaned systems
 - b. Procedures of oxygen cleaning
4. Gas Production Equipment
 - a. Compressors
 - b. Cylinders
 - c. Filtration systems
 - d. Gauges
5. Mixing Techniques
 - a. General considerations
 - b. Continuous blending systems
 - c. Membrane separation systems
 - d. Pre-mix systems
 - e. Partial pressure blending
6. Oxygen Analysis
 - a. Procedures
 - b. Oxygen analyzers
7. Cylinder Handling and Sign Out

