



TDI Nitrox Gas Blender

Course Objectives:

This course provides the necessary knowledge for competent and safe blend of Nitrox gas for recreational use, including proper techniques, equipment requirements and hazards involved in blending nitrox gases which will allow graduate to engage in blending nitrox gases without direct supervision, upon completion of this course.

Prerequisites: 18 years old

Duration: 1 day

Course fee: See pricelist

Course Outline:

1. The Responsibility of the Gas Blender
2. Gases of Diving
 - a. Air
 - b. Oxygen
 - c. Nitrogen
3. Oxygen Handling
 - a. Oxygen hazards
 - b. Causes and prevention of oxygen fire
 - c. Oxygen system design
 - d. Local regulations for gas blending and handling
4. Gas Production Equipment
 - a. Compressors
 - b. Cylinders
 - c. Filtration systems
 - d. Analog gauges
5. Mixing Techniques
 - a. General considerations
 - b. Continuous blending systems
 - c. De-nitrogenated air systems
 - d. Pre-mix systems
 - e. Partial pressure blending mathematics
6. Oxygen Analysis
 - a. Procedures
 - b. Oxygen analyzers
7. Cylinder Handling and Sign Out

