

## **NITROX DIVER 1**

(Basic Nitrox Diver, Nitrox User)

### **Intention of this course**

The Intention of this course is to arrange diving with standard Nitrox mixtures (32%, 36%) through professional equipment and course so that the diver is able to use the advantages of Nitrox with regard to normal compressed air. This course is similar to most Nitrox "User" courses and ranks as one of the so-called special courses "Specialities".

Instruction by ProTec Nitrox 1 instructor.

### **Training environment**

Any open water, safe for scuba diving.

### **Prerequisites**

- A good diving knowledge (theory and sufficient practice), which should be proved to the instructor.
- Scuba diver 1\* certification. The previous skills, such as the calculation of air consumption, detailed physics (partial pressure, gases), are to be refreshed by a previous course if necessary.
- Min. age 16 years.

### **Accomplishment**

- Nitrox course is above all a theoretical upgrade course for certificated scuba divers. All the diving skills (for compressed air diver), should already be existent in theory and practice (see prerequisites).
- The essence of this course is to use another gas instead air and know the related possibilities and dangers.
- The result is a different behavior UW based just on another dive time and dive depth handicaps and represents, after checking the theoretical knowledge, a pure discipline training.
- Exercise Nitrox gas analysis (important before each dive).
- Otherwise, there is no necessity, by nitrox 1 diver, for a practical training in form of nitrox dives.

- The certified nitrox diver 1 is allowed, after a positive termination of the course, to dive without escorted by an nitrox instructor.
- If there is no number (1 or 2) for Nitrox Diver provided for registration, certification will be issued for Nitrox Diver 1.

### **Theoretical lessons**

- Proceed course according to ProTec instructor diasheet set.
- The history of Nitrox, the usage possibilities.
- What is EANx, different air- EANx, limits.
- To plan and calculate min. 6 dives with the usual EANx mixtures (CNS, MOD,...).
- Oxygen compatible, -clean, - service.
- Course termination through Nitrox test questions. The ProTec Nitrox course question and answer set serves as minimum example. To alter or extend these questions is open to each ProTec instructor.

### **Practical training**

- Each student must analyze Nitrox (ready mix in the dive cylinder) using means of analysis equipment.

### **Courseware**

Visit ProTec members area for any material / price list.

- Checklist
- Examination questions
- Decompressiontable - Nitrox 32
- Decompressiontable - Nitrox 36