

SAA NITROX DIVER

This one day course provides suitable candidate with the wherewithal to safely use Oxygen Enriched Air (Nitrox) for dives in the range down to 40metres with reduced decompression obligation.

Prerequisites:

To join the course candidates must:

- Hold a Current SAA membership
- Be qualified to a minimum of "Club Diver" or equivalent.
- Have logged a minimum of 15 post "Club Diver" qualifying dives.
- Be aged 18years or over.
- Have a SAA National Course Application Form endorsed by their Club DO.
- Meet the minimum medical status as recommended the UK Sport Diver Medical Council.
- Female divers must not be pregnant or trying to conceive.

Qualification Award: SAA Nitrox Diver

Course Syllabus

1. Registration.

2. Introduction:

Background:

Why use air?
What is Nitrox?
Why use Nitrox?
Scuba Equipment
Extra Limitations
Operational Limits of SAA Nitrox Divers

3. Decompression:

Changing the boundaries
Ascents
Decompression illness (DCI)
1st Aid for Nitrox DCI casualties

4. The Equivalent Air Depth (EAD) Technique

5. The SAA Bühlmann Nitrox System

6. Personal Decompression Computers (PDCs)

7. Oxygen Physiology

Central nervous system (CNS) oxygen toxicity
Pulmonary oxygen toxicity
Oxygen Toxicity Tracking.

8. Gas blending (An introduction)

9. Oxygen Clean, Oxygen Compatible and Oxygen Service

10. Personal Diving Equipment for use with Nitrox

11. Analysing your EANx mix prior to diving.

12. Theory examination Results and debrief

Timetable: 0930to1800hrs

GENERAL

For the course, each candidate will need bring with them the following: Notebook and pen, a basic calculator and a copy of the SAA Bühlmann System

Equipment provided:

- Nitrox filled cylinders
- Oxygen analyser
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Course materials provided to each candidate as part of the course (ie take home stuff):

- SAA Nitrox Diving – Student Notebook
- SAA Bühlmann Nitrox System, for use with the SAA Bühlmann System.

Safety requirements:

A suitable classroom environment

Qualification of Instructors:

SAA Nitrox Instructor – is a Regional Instructor with either an SAA Nitrox Instruction endorsement or TDI/IANTD Nitrox Instruction qualification.