

## **DRY SUIT DIVER**

(Speciality diving with dry suits)

### **Intention of this course**

The Intention of this course is to offer sufficient knowledge to the diver to fulfill all requirements for diving with dry suits.

Instruction by ProTec scuba instructor with speciality dry suit diving.

### **Training environment**

Any open water, safe for scuba diving.

### **Prerequisites**

- Good diving skills (theory and sufficient practice) that should be proved to the instructor.
- Scuba Diver 1\* certification.
- Minimum age 15 years.

### **Accomplishment**

All kinds of differences between a wet suit and a dry suit have to be worked out in detail.

Special care has to be taken to all kinds of problems, which could happen when using dry suits.

### **Theoretical lessons**

#### **What is a Dry-Suit?**

- Function – how to stay dry
- Buoyancy and pressure regulation – why it is necessary and how to do
- Material –Neopren, Rubber & Trilaminate – Pro's and Con's

- Style & Concepts: With integrated hood or not, rubber spring or suspenders, back- zip or front- zip – Pro's and Con's

### **The underwear**

- Purpose and use
- Material and types

### **Dress on and off**

- It's easier without integrated hood – show difference between concept's
- Right handling and maintenance of wrist/neckbands
- Right handling and maintenance of zip's
- Packing and storage, maintenance

### **Control**

- Understand valves – how they work and how to use

### **Buoyancy:**

- To feel well is important – let the BCD be the primary tool for buoyancy.
- Too much air in the suit is as bad as too less
- Air pressure in the suit: What counts is comfort in motion and temperature.
- What is left for buoyancy should be done by BCD.
- Weight's on feet, arrange the weights – avoid uncomfortable position.
- Feet to the surface causes thick legs – avoid free space for air travel in the legs.
- With inflated leg's, head down, up to the surface – cause, effect and immediate counter measure.
- Water inside –what to do now?
- Dry gloves, systems and use. Pressure adjustment inside the gloves – how to do.

### **Miscellaneous**

- Additional equipment
- Pee-vales
- Repairs & checks before diving

### **Practical training**

- Dress on and off
- Check pressure tightness, arrange inside pressure
- Gear on with whole equipment
- Balance on the surface
- Buoyancy control under water only with the dry suit
- Buoyancy control under water with dry suit and BCD
- Buoyancy control while descending and ascending
- Right use of the valves and valve adjustment
- Exercise situation: Neutral buoyancy – feet straight up to the surface – counter measure
- Exercise situation: Positive buoyancy – feet straight up to the surface – counter measure
- Diving without uncontrolled airflow inside the suit – how to keep the air on same place, adjust and prepare your suit.
- Transport and maintenance
- Storage

### **Courseware**

Visit ProTec members area for any material / price list.

- Checklist