



## **User guide for Seatex suit equipped with SI-dry suit valves.**

Diving with a varied volume suit (W-suit) requires basic physiology and diving knowledge to understand variations in volume and pressure. Thermal protection and insulation is also another subject of knowledge. During a course in dry suit these subjects will be thoroughly explored together with other practical and safety issues to achieve a safe and comfortable dive.

### **IMPORTANT**

Different materials are used in production of diving suits. Different materials can behave in different ways and it is necessary for the diver to have knowledge about the equipment in use. Under garments in different materials also play a role in the diving and the insulation. If the weight belt is too tight, the suit too small and poor under garments can delay the air to expand to the vent. Weight balance is an important issue, over weight gives poor comfort and can cause back problems. Excess weight can lead to too much air and result in a quick rise. Too little weight on the other hand can result in poor air insulation, suit squeeze and a risk of uncontrolled buoyancy to the surface.

### **BEFORE DIVING**

Before diving control all valves. Let air into the valve, turn the vent with the indication pointing to the stopp(+) sign and pressure the vent lid down to let air out. Bend at the same time the body forward to obtain max pressure. Then turn the lid so the indication pointing to the stopp(-). Press the suit together to make sure there is free passage of air through the valves.

**DIVING MUST NOT OCCUR BEFORE ALL CHECKS ARE SATISFACTORY.**

### **THE FIRST DIVE**

Start the dive by finding the correct weight of the belt. Correct weight is determined by entering shallow water with the automatic valve set at minimum opening pressure, turned against the pointer. Add weight until the top of the head is touching the surface, and then add 1 kg and you have the total weight for the belt. To achieve neutral weight in the water adjust the vent and fill air until neutral is achieved.

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## **DIVING**

Control that the air hose is attached. When the correct weight is obtained lift the arm with the vent to let air out Dive down with legs first. When you are under water, bend horizontally and swim normal. Compensate for air compression in the suit and control the speed of decent with air through the vent. The air capacity is controlled by the vent to avoid too much air. When depth is changed, remember the weight is altered, add or release air accordingly.

## **SURFACING**

When surfacing it is important to be in a position where the valve is at the highest point. When surfacing the volume and pressure within the suit increase. The pressure works as a piston in the valve and automatically releases excess air. If you are in a horizontal position at surfacing a light lift will occur. Roll over so the valve is at the highest point and the valve automatically releases air.

## **ADDITIONAL BOYANCY FLYTEMIDDEL TILLEGG**

Do not use west or other means for weight balance when diving with variable suit. The weight balance is most easily controlled with the least amount of air chambers. The less air chamber, the safer the dive is. Only use a west at the surface to increase floatation. Turn the valve watch hand to stopp (+) to retain air in the suit and increase flotation in the surface.

## **UNCONTROLLED RISE TO THE SURFACE**

Rising to the surface should be in the upright position to obtain free air flow. Air is dumped by pressing the valve, breathe out, disconnect the hose and/or detach the neck or sleeve.

## **MAINTENANCE**

**Zipper:** Use beeswax or similar on the metal parts. Apply silicon on the rubber under the glider. Cleaning of zipper is best in tempered water with soap and by the use of a tooth brush or similar. Lubricate after.

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**Suit:** Rinse in fresh water after use and let dry in the shadow. Make sure the suit dries properly inside. When dry the suit can be stored. This is best over a pipe of 100mm diameter or a upholstered hanger.

**Vent:** The vent is rinsed after every dive to avoid salt, rinse at the same time turning the lid.

### **IMPORTANT**

Do not use the suit without the necessary knowledge. Training can be obtained at approved dry suit courses. The Suit need correct use and maintenance.

**Innervalve**



**Outervalve**



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