

CCR User Course (level I) – MkVI DISCOVERY

The Poseidon MkVI DISCOVERY CCR is a fully-closed, electronically controlled rebreather aimed at satisfying the needs for the sport diving market. It uses very advanced electronics to perform multiple system tests to check the unit both before and during the dive. The user is freed up from many tasks that have to be performed manually with most CCR's allowing the diver to just enjoy the dive. Multiple warning systems draw the diver's attention back to the unit if necessary and internal diagnostics indicate the nature of the problem and instruct the user as to what action to take. Dual tissue tension storage, a "smart" battery, automatic setpoint control and linearity validation are just a few aspects of the electronics. A CC/OC mouthpiece with vibrator alarm and HUD system ensures an easy-to-use bail-out option.

The IART unit-specific user course, combined with the use of the course manual, will prepare you with the knowledge and skills needed to safely dive the MkVI CCR within the limits set by the Level I standards. It covers:

- ▶ The physiological principles behind rebreather diving
- ▶ The construction of the unit including assembly, disassembly, cleaning and maintenance
- ▶ The possible dangers and potential mistakes
- ▶ How to employ the best diving techniques with the unit
- ▶ How to rescue another rebreather diver

The training reflects the standards required by the manufacturer of the rebreather. IART is authorized by the manufacturer to conduct this training. The course manual is constantly revised and improved in consultation with the manufacturer to reflect new developments resulting from technical improvements or gained through dive experience. You will receive the current edition from your IART-Inspiration Instructor.

Theory Presentation

- Includes review of nitrox theory, physics and physiology
- Familiarisation with all rebreather components including maintenance
- Dive planning and execution and emergency procedures
- IART rescue module
- A written exam concludes the theoretical development.

Practical training

- Unit preparation, pre-dive checks
- Disassembly, cleaning and disinfection
- Dive planning
- Dive techniques in confined water followed by open water environments
- Protocol in emergency situations
- Proof of successful completion of all required training exercises.