

CCR User Course (level I) – EVOLUTION

For many, the introduction of the *INSPIRATION* closed circuit rebreather changed the face of diving forever. No bubbles, vastly extended no-decompression times, minimal gas consumption and silence underwater. The release of the *EVOLUTION* which, as its name suggests, takes the technology still further. It is equipped with the much more sophisticated and less bulky *VISION* electronics that better protect the diver from dangerous “user errors”, the handsets have been combined in a single housing, a head-up display is available and full decompression software has also been integrated. In addition there is the option of tracking the performance of the CO₂ absorber. It is smaller and lighter than its predecessor, making transport (particularly in aircraft) much easier. It is less cumbersome to carry and movement underwater is more streamlined.

The technology behind the *EVOLUTION* is complex and for this reason, despite the technological improvements, the need for comprehensive dedicated training remains as essential as before. 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 *EVOLUTION* within the limits set by the Level I standards

This course will prepare you to become a competent, disciplined and knowledgeable *EVOLUTION* CCR diver who understands:

- ▶ 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.