

KISS Rebreather LLC. – Trimix CCR Diver 60m – Diver Course Evaluation Form

As per the KISS minimum required training standards, the course must be completed with the minimum required dives and minutes, along with discussion on required academic topics, and all required skills. The student must achieve a minimum score of 8 out of 10 points in all the following skill areas.

KISS minimum training standards may differ from approved training agency standards. As KISS minimum training standards are the minimum required standard, the approved training agencies may add to them. Instructors should check with the appropriate training agency to ensure that all standards have been met.

Student: _____ Instructor: _____
Course start date: _____ Course completion date: _____
KISS rebreather name & serial number: _____

Skills:

1. Pre-dive checks: Average score: ____
 - ____ Specific unit checklist
 - ____ Verify diluent and oxygen (O₂) cylinder contents using gas analyzers
 - ____ Unit built up
 - ____ Scrubber canister filling
 - ____ Breathing loop check including mouthpiece one way valves and positive and negative check
 - ____ Sensor calibration in oxygen, with verification in air
 - ____ 5 minute pre-breathe
 - ____ Stage cylinder rigging
 - ____ KISS Sidekick: unit rigging, diluent/oxygen cylinder rigging for best work of breathing/how to resolve incorrect rigging

2. Demonstrate correct pre-dive planning procedures: Average score: ____
 - ____ Limits based on system performance
 - ____ Limits based on oxygen exposures at chosen PO₂ levels
 - ____ Limits based on nitrogen absorption at planned depth and PO₂ set point
 - ____ Appropriate selection of decompression conservatism/gradient factors for the planned dive
 - ____ Thermal constraints

3. Underwater verification: Average score: ____
 - ____ Stop at 3-6 meters/9-19 feet on descent for leak bubble check
 - ____ Counterlung and Over Pressure Valve adjustment, if necessary

4. Emergency procedures: demonstrate appropriate response to the following; each dive should have a minimum of 2, "diver emergencies" that the student must react to: Average score: ____
 - ____ Properly execute a recovery from a system failure and conclude the dive and decompression on open circuit gases carried
 - ____ Gas shutdowns and loss of gas, correct choice and switching to off board gases.
 - ____ Broken hoses, catastrophic failure scenarios
 - ____ Flooded absorbent canister

- ____ Cell errors
5. Demonstrate competence managing two (2) bailout cylinders, including drop and recovery while maintaining position in the water column: Score: ____
 6. Rescue skill session as outlined by Training Agency: Score: ____
 7. Use of buoyancy control system: Average score: ____
 - ____ Buoyancy and trim control at safety stop
 - ____ Buoyancy and trim control during dive
 - ____ Buoyancy and trim control hover at fixed position in water column without moving hands or feet
 8. Controlling and monitoring for PPO2 levels: Average score: ____
 - ____ Raising/lowering PPO2
 - ____ Starting PPO2
 - ____ PPO2 monitoring every minute
 - ____ Manual Add Valve verification: static at constant depth, monitor change over several minutes
 - ____ Electronics systems monitoring for PPO2 levels (SETPOINT) and setpoint switching using manual and pre-programmed methods when available (when the unit is equipped with an on board decompression computer that monitors sensors)
 9. Electronic systems use: Average score: ____
 - ____ Use and adjustment of Heads Up Display, position, brightness, colour
 - ____ Use and adjustment of PPO2/depth/time display, position, brightness, colour
 - ____ Use and adjustment of decompression computer, set up/gas switching, battery verification, etc
 10. Use of lift bag/DSMB and reel: Average score: ____
 - ____ Use of lift bag/DSMB and reel at depth, and mid water
 - ____ Simulate failed lift bag/DSMB deployment
 - ____ On two (2) of the dives, demonstrate an ascent with ascent reel and lift bag and perform staged decompression
 11. Mask removal and replacement: Score: ____
 12. Proper execution of the dive within all pre-determined dive limits: Score: ____
 13. Demonstration of decompression stops at pre-determined depths (on all dives): Score: ____
 14. Cell validation checks with appropriate use of diluent and oxygen: Average score: ____
 - ____ Oxygen sensor verification at depth
 - ____ Linearity check of sensors at approximately 5 meter/16 feet on pure oxygen
 15. Decompression related in-water skills: Average score: ____
 - ____ Demonstrate proper understanding and implementation of team diving procedures to conduct bailout from a depth greater than 30 meters/98 feet
 - ____ Demonstrate ability to plug in and share off-board gas, including sharing/swapping of off-board bailouts
 - ____ Oxygen rebreather mode at less than six (6) meter/19 foot stop
 16. Show awareness of buddy and other team members through communications, proximity and team oriented dive practices: Score: ____

17. Demonstrate an adequate level of fitness by completing a minimum of a 50 meter/164 feet surface diver tow with both rescuer and the victim wearing a complete CCR diving system and bailout cylinder(s) applicable to their specific program: Score: ____
18. Complete all academic sessions and unit specific assessments as specified in the training material of the training agency and the manufacturer: Completed: ____
19. Complete a minimum of six (6) training dives, including confined water skill development of at least one (1) hour, and five (5) core open water training dives with a minimum run time of 30 minutes each: Completed: ____
20. Complete a minimum of 360 minutes of total in-water time (including confined water) on the applicable unit: Completed: ____
21. Be able to independently complete a dive plan: Completed: ____
22. Complete the final course exam as set out by the training agency with a required minimum pass rate of 80% with 100% remediation: Completed: ____

Student Signature: _____ Date: _____
 Instructor signature: _____ Date: _____

In order to complete the students KISS certification, this document must be completed in full, and emailed to: info@kissrebreathers.com.

PLEASE PRINT CLEARLY - IF WE CAN'T READ YOUR WRITING, WE CAN NOT PROCESS THIS FORM.
 THANK YOU!