

KISS Rebreather LLC. – CCR Decompression 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. Mouthpiece familiarity skills: Average score: ____
 - ____ BOV: switch between open and closed circuit
 - ____ DSV: switch to bailout system

5. Adding diluent gas/ADV familiarity skills: Average score: ____
 - ____ ADV: Adding diluent gas and understand how it works
 - ____ BOV: Use BOV to add diluent gas to the loop – 2 ways

- Bail out second stage: Use to add diluent gas to the loop
- Dual button MAV: Adding diluent gas (if unit is shipped with this item)

6. 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: ____
 - Practical bailout skills: including 2 open circuit ascent's from approximately 18 meters/59 feet
 - Gas shut downs and loss of gas
 - Broken hoses
 - Flooded absorbent canister
 - Carbon dioxide (CO2) breakthrough
 - Low oxygen drills
 - High oxygen drills
 - Flooding loop
 - Electronics, sensor, and battery failure
7. Practice transferring to open circuit bailout: Score: ____
8. Rescue skill session as outlined by Training Agency: Score: ____
9. Use of buoyancy control system: Average score: ____
 - Buoyancy and trim control at safety stop
 - Buoyancy and trim control during dive
10. 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 (SETPPOINT) 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)
11. 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
12. Use of lift bag/DSMB and reel (where relevant and applicable): Score: ____
13. Mask removal and replacement: Score: ____
14. Proper execution of the dive within all pre-determined dive limits: Score: ____
15. Demonstration of safety stops at pre-determined depths (on all dives): Score: ____
16. Constant loop volume management: Score: ____
17. 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

18. Post dive cleaning of unit: Average score: ____
 ____ Mouthpiece and hoses
 ____ Clean and disinfect unit
 ____ Inspect components of unit
19. Diver maintenance of unit: Average score: ____
 ____ Cell removal and replacement
 ____ Mouthpiece care
 ____ Replacing or re-charging of batteries
20. Decompression related in-water skills: Average score: ____
 ____ Demonstrate the ability to drop and retrieve one (1) bailout cylinder while maintaining position in the water column
 ____ Demonstrate appropriate reaction to gas hemorrhage from bailout valve, first stage, second stage or SPG
 ____ Demonstrate appropriate reaction to simulated free-flowing deco regulator
 ____ Demonstrate the ability to Buddy Breathe from a decompression gas
 ____ Oxygen rebreather mode at less than six (6) meter/19 foot stop
 ____ Complete two (2) bailout scenario at depth to include decompression obligation on open circuit
21. 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: ____
22. Complete all academic sessions and unit specific assessments as specified in the training material of the training agency and the manufacturer: Completed: ____
23. Complete a minimum of seven (7) training dives, including confined water skill development of at least one (1) hour, and six (6) core open water training dives with a minimum run time of 30 minutes each: Completed: ____
24. Complete a minimum of 420 minutes of total in-water time (including confined water) on the applicable unit: Completed: ____
25. Be able to independently complete a dive plan: Completed: ____
26. 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!