



SALAMANDRE mCCR — Dive Checklists

Print and complete before and after each dive

These checklists are intended as a verification aid for the operations to be carried out before and after each dive. They do not replace complete training recognised by Air Research Sàrl with a qualified instructor.

ASSEMBLY CHECKLIST (PRE-DIVE)

- ☐ 1. During assembly, carefully inspect all parts and check that they contain no dust, are not damaged, and are properly lubricated.
- ☐ 2. Check that the oxygen cylinder is full and fill it if necessary.
- ☐ 3. Attach the oxygen valve and install the first stage regulator, if necessary.
- ☐ 4. Analyse the oxygen: _____ %.
- ☐ 5. Fill the recycler's filter if new soda lime is needed, assemble it and close it correctly. Check that the soda lime is well packed.
- ☐ 6. Attach the filter to the head.
- ☐ 7. Prepare the counterlung (absorbent cloth and nuts) and place it in the Cordura bag. Check the correct tightening of the ADV nut and counter-nut in the counterlung.
- ☐ 8. Prepare the ADV valve and attach it to the counterlung. Attach the counterlung to the head. Firmly tighten the counterlung strap, using the 8th or 9th hole of the strap. Check the correct position of the strap once under tension.
- ☐ 9. Check the mouthpiece, then perform the positive and negative pressure tests and the airflow test of the DSV mouthpiece and breathing hoses. Confirm one-way air circulation and the absence of leaks.
- ☐ 10. Install the breathing loop on the recycler head. Close the bag's drawstring and side zipper.
- ☐ 11. Connect the intermediate pressure hose to the ADV valve and the high pressure hose to the pressure gauge. Check that all hoses are correctly connected.
- ☐ 12. Perform a positive pressure test (60-second test).
- ☐ 13. Perform a negative pressure test (60-second test).
- ☐ 14. Slowly open the oxygen cylinder once connected.
- ☐ 15. Check the pressure gauge for any variation.
- ☐ 16. Record the oxygen pressure in the cylinder. O₂: _____.
- ☐ 17. Close the oxygen cylinder. Wait 2 minutes, then measure the oxygen pressure. O₂ pressure: _____. The pressure observed should be similar to that noted in step 16.
- ☐ 18. If any of the above steps is unsatisfactory or reveals a problem that could affect the recycler, do not dive with it.

DISASSEMBLY CHECKLIST (POST-DIVE)

- ☐ 1. Rinse the recycler with fresh water.
- ☐ 2. Close the oxygen cylinder.
- ☐ 3. Purge the gas from the circuit and disconnect all low and high pressure hoses.
- ☐ 4. Disconnect the DSV mouthpiece and breathing hoses from the counterlung. Disinfect and rinse them.
- ☐ 5. Remove the counterlung strap, take out the counterlung and disinfect it. Hang it upside down to dry.
- ☐ 6. Remove the filter and empty it.
- ☐ 7. Remove the oxygen cylinder and refill it. Analyse its contents again.