

Survival Checklist

- Confirm scrubber media, bore plug, and premix tubing O-ring are correctly installed
- Confirm diluent and oxygen cylinder contents and pressures
- Inspect DSV mushroom valves and conduct positive and negative checks
- Check internal and external voltages and mV readings in air
- Flush with O₂, check mV readings, and confirm calibration on HUD and controller
- Complete the Preflight Checklist before diving

Preflight Checklist

- Turn cylinders on, ensure inline shutoffs are on, verify pressures
- Confirm ADV function, check manual add valves
- Verify handsets/HUD
- Prebreathe, verify set point, confirm PO₂
- Confirm BCD/Dry suit function(s)
- Don/verify operational use of bailout – check pressures

ALWAYS PERFORM BUBBLE CHECK

***** ALWAYS KNOW YOUR PO₂ *****

Post Dive Checklist

Immediately Post Dive

- Close the DSV
- Change set point to 0.19 PO₂
- Check battery voltages
- Note pressure remaining in oxygen cylinder and total dive time to determine scrubber usage
- Close cylinder valves and bleed down system via manual add valves (*****Never turn off the cylinder valves before you are out of the water and have removed the rebreather!*****)
- Dry electrical contacts on HUD then turn off HUD and controller

End of the Day

- Rinse and/or soak entire CCR in fresh water
- Unplug and remove HUD and controller
- Discard scrubber media/remove EAC (record scrubber usage and seal airtight if planning to reuse)
- Disassemble loop—remove DSV, loop hoses, counterlungs, scrubber end cap, and scrubber canister
- Wipe inside of electronics head with clean towel and allow to air dry
- Flush the inside of all loop components (except electronics head) with warm running water
- Soak loop hoses, DSV, scrubber canister, and scrubber end cap/water trap assembly in Steramine solution
- Pour Steramine solution into counterlungs, shake, and drain
- Rinse all loop components—including the insides of counterlungs—thoroughly with fresh water and shake/blow out excess
- Hang hoses and counterlungs upside down to dry
- Allow all components to dry thoroughly before storage
- For long term storage, remove batteries and seal all components in plastic bag or bin after drying