



Date: _____/_____/_____

Name: _____



If the diver does not run through the checklist then there is a possibility of entering the water with equipment that is not suitable for diving, which can result in severe risks to health.

- Before you dive your SF2-CCR check yourself, are you fresh, healthy and do you feel ready for the dive?
- Always dive with fresh enough Sofno-Lime 797, respect the maximum scrubber life.
- Ensure the first stages have the correct intermediate pressure. Dil. I.P.: 9.0-10.0 bar, O2 I.P.: 7.0-7.5 bar.
- Ensure the oxygen cells have not gone past expiry date, or no more than 12 months in use.
- Always carry enough bailout for the dive according to the UTD Rock Bottom calculations.

SF2-CCR Pre Dive assembly and check

- Gas: pressures checked, analyzed and marked, O2, Diluent, and BO.
- Cylinders, and 1st stages mounted O2, Diluent, BO. and Suit gas
- BO cylinder checked and regulators checked
- Counterlung inspected, OPV closed, O-ring inspected and lubricated and placed in the bottom tube
- CO2 absorbent filled and canister inspected, also the o-rings
- Place co2 canister on the counterlung with the 3 feet
- Check the top tube, and lightly lube the outer rims, mount the top tube
- Head O-rings in place, inspected and lubricated
- Checked battery Volts for controller and Ext. sol. battery. (min. 85%)
- Turn off the handset
- Assemble the head and mount the head, lock in place with the latches
- Connected O2 solenoid hose, ADV hose and MAV hoses to the unit
- Switch on the handset to calibrate controller and HUD, note V. of cells in 21%. Set controller and HUD in calibrate mode, Open O2 valve slowly and calibrate both when stable mV , note mV in 100% O2.
- Check DSV/BOV, one way valves function and direction of flow
- Checked loop O-rings and connect loop hoses
- Switch off the controller and HUD, and close all valves
- Positive test
- Negative test



Divesite preparations shortly before the dive

If long time (+24hr) has passed, traveled, or ambient pressure has changed

- Calibrate again
- Positive test again
- Negative test again

- Open all valves, O₂-Diluent-Suitgas-Bailout and check pressures
- Turned on HUD and Controller checked high and low set points and CC and BO gas selections
- Checked controller is set to set point 0.19bar (surface mode)

Pre-breathe

- Start breathing the unit
- ADV — Verify ADV operation, check shut off function
- Manual Dil. — check shut off function
- Confirmed Sol. action, and check shut off function
- Manuel oxygen — and check shut off function ,Confirmed cell reading, both monitors (bring loop > 0.7)
- Symptoms — Stay calm during the rest of the Pre-Breath and monitor yourself and your team for CO₂ symptoms
- Finish by closing the loop at min. loop volume and P.P.O₂ > 0.7

General pre-dive routine

- **Equipment match** — As per normal
- **Mod, V-drill** — flow check
- **Mod. S-drill** — *Deploy longhose, and confirm placement and function of necklace/BOV (can be done on surface if conditions allow)*
- **Enter the water** — On open circuit
- **Bubble check** — *Check for bubbles, OC system and CC system*