

Pre-dive Checklist

NAME: _____

DATE: _____

DIVE LOCATION: _____

PLANNED DEPTH: _____

PLANNED SET POINT: _____

TODAY'S DIVE NUMBER: _____

INITIALS ↓

_____ I have checked my bailout system and it is in perfect working order.

_____ My bailout system is appropriate for the dive depth I am planning of, _____ feet/meter.

_____ My sensors are _____ months old.

_____ The millivolt readings on my sensors is: _____; _____; _____.

_____ My PPO2 display uses _____ batteries and they have _____ hours left on them.

_____ I have analyzed my O2 cylinder and it has _____% O2

_____ I am diving with _____ diluent in my on-board diluent cylinder. I have analyzed it and have confirmed what percentage of O2/Helium/Nitrogen it contains.

_____ I am diving with _____ mix in my first off-board cylinder. I have analyzed it and have confirmed what percentage of O2/Helium/Nitrogen it contains.

_____ I am diving with _____ mix in my second off-board cylinder. I have analyzed it and have confirmed what percentage of O2/Helium/Nitrogen it contains.

_____ If I am using more off-board cylinders I will also write down the mixture and ensure that I have analyzed them and have confirmed what percentage of O2/Helium/Nitrogen they contain.

_____ My absorbent has been used for _____ hours, which means that I have _____ hours left on it.

_____ My dive computer is in perfect working order.

_____ The battery voltage on my computer is _____.

_____ My buddy and I have practiced bailout procedures and understand what to do in an emergency.

_____ My surface interval before this dive is _____.

_____ My CNS before this dive is _____.

_____ I am using _____ lb/kg of weight.

This pre-dive check should be done after your unit has been assembled, your scrubber canister filled, lungs attached, all fittings/hoses checked & secure, etc. It should be done prior to entering the water.

INITIALS ↓

- I have ensured that the Valve Disks (mushroom valves) on the Valve Plates are flat and smooth. I have done a DSV positive and negative diaphragm test to ensure that they are sealing properly. I have also ensured that they have been installed correctly and the gas flow is going in the correct direction, left to right.
- I have done a breathing hose positive and negative pressure test to ensure that my loop hoses are not damaged.
- I have done a negative pressure test on the fully assembled KISS rebreather and it maintains full vacuum pressure.
- I have done a positive pressure test on the fully assembled KISS rebreather and it maintains full pressure. I have ensured that the counterlungs are hanging freely and that the adjustment plate is in the correct position.
- I have turned my displays on.
- I've opened my diluent valve and checked that the cylinder is full. It has _____ PSI/BAR in it. I've checked the pressure gauge for any sign of leakage of diluent in the system. I've ensured that the ADV and the bailout regulator are working correctly. (The diluent gas I am using is appropriate for the dive that I am planning)
- I've opened the oxygen valve and checked that the cylinder is full. It has _____ PSI/BAR in it. I've ensured that the manual add valve is working by pushing the button and watching the displays, while breathing on the unit. Also, I've ensured that the constant flow is working by listening for the flow.
- I've calibrated the sensors in oxygen. (If I am using the Jetsam displays, I will ensure that they are in the "ON" position, NOT the calibrate position before I jump in the water.) I have verified the sensor readings in air.
- I've ensured that the size of my bail-out gas cylinder is adequate for the dive that I am planning, that it is full and that the regulator is working correctly. I have also ensured that my wing and drysuit inflation are working correctly.
- I have pre-breathed my KISS rebreather for at least 5 minutes before entering the water.
- I will double check that my oxygen and diluent cylinders are open, that my displays are on, and my computer is properly programmed before I enter the water.
- Once in the water, I will do a bubble check with my buddy to double check that there are no leaks in my system.

The diluent tank is NOT an adequate gas supply for emergency situations.