

# Pre-dive checklist SF2

to be used before every dive



Date.....

|                           |  |                          |
|---------------------------|--|--------------------------|
| Analysis Oxygen Cylinder  | _____ %<br>Pressure _____ Bar  | <input type="checkbox"/> |
| Analysis Diluent Cylinder | _____ %<br>Pressure _____ Bar  | <input type="checkbox"/> |
| HEAD                      | Dry, O-Ring clean lightly lubed<br>Sensors (cells) dry and connected<br>Plate with O-Ring in place and screwed down.         | <input type="checkbox"/> |
| SCRUBBER BUCKET           | Scrubber dry, active time _____ h<br>O-Ring in place and lightly lubed   | <input type="checkbox"/> |
| MID-SECTION               | Clean and dust-free, O-Ring inspected, Diluent and Off-board Connected. ADV function checked                                 | <input type="checkbox"/> |
| COUNTERLUNG               | Clean and free of scrubber/debris, OPV functioning, Inspected for damage   | <input type="checkbox"/> |
| Breathing Loop            | Mushroom valves inspected and checked, Bailout function smooth, connections OK, MOUTHPIECE OK                                | <input type="checkbox"/> |
| Assembly                  | Scrubber bucket and Mid-section stable, Head aligned, Clips closed, OPV set to dive (do not turn after assembly). Batteries? | <input type="checkbox"/> |
| Oxygen Supply             | Analyzed, Connected, turned on, pressure check. Calculate oxygen time at 2L minute metabolic rate or known personal rate     | <input type="checkbox"/> |
| Diluent Supply            | Analyzed, Connected, turned on pressure check.   | <input type="checkbox"/> |
| MANUAL ADD/LP INFLATOR    | Check function, inspect hoses/position   | <input type="checkbox"/> |
| CONNECT LOOP              | Remember flow is from right to left, align for jaw fatigue, check bailout  | <input type="checkbox"/> |
| POSITIVE PRESSURE TEST    | Close OPV, turn off diluent and oxygen supply, breathe into loop, close, wait at least 120 seconds                           | <input type="checkbox"/> |
| NEGATIVE PRESSURE TEST    | Breathe gas from loop, until counterlung is at absolute minimum, close, wait at least 120 seconds                            | <input type="checkbox"/> |
| Shut-Offs                 | Check quick SO sliders are disengaged at O2 and Diluent, and manual add units  | <input type="checkbox"/> |
| PRESSURE-DROP TEST        | Open oxygen and diluent valves, turn off, and watch to ensure NO pressure drop in either system.                             | <input type="checkbox"/> |

|                               |  |                          |
|-------------------------------|--|--------------------------|
| SENSORS                       | Calibrate  | <input type="checkbox"/> |
| mV AIR                        | #1 _____ mV #2 _____ mV #3 _____ mV  | <input type="checkbox"/> |
| mV OXYGEN                     | #1 _____ mV #2 _____ mV #3 _____ mV  | <input type="checkbox"/> |
| HANDSET                       | Re-check correct diluent, gradient factors, bailout options, Set-Points, etc.          | <input type="checkbox"/> |
| Pre-Breathe and Function Test | Open oxygen and diluent supply, turn on handset, pre-breathe for three to five minutes | <input type="checkbox"/> |
| <b>Dive Unit</b>              | <b>Have fun with your SF2</b>  | <input type="checkbox"/> |

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