

Pre-dive checklist SF2

to be used before every dive



Date.....

Analysis Oxygen Cylinder	_____ % Pressure _____ Bar	<input type="checkbox"/>
Analysis Diluent Cylinder	_____ % Pressure _____ Bar	<input type="checkbox"/>
HEAD	Dry, O-Ring clean lightly lubed Sensors (cells) dry and connected Plate with O-Ring in place and screwed down.	<input type="checkbox"/>
SCRUBBER BUCKET	Scrubber dry, active time _____ h 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"/>
Dive Unit	Have fun with your SF2	<input type="checkbox"/>

©2015 Breidenstein, Jaspers, Lewis. All rights reserved.