

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"/>
CALIBRATION STEPS	Calibrate with CAP	
mV DILUENT	#1 _____ mV #2 _____ mV #3 _____ mV	<input type="checkbox"/>
mV OXYGEN	#1 _____ mV #2 _____ mV #3 _____ mV	<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	Switch on handset, switch from surface SP (0.19) Open oxygen and diluent valves, circulate gas in loop, turn off, and watch to ensure NO pressure drop in either system.	<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, pre-breathe for three to five minutes	<input type="checkbox"/>
Dive Unit	Have fun with your SF2	<input type="checkbox"/>

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