

# Drager Dolphin Pre Dive Check Sheet

**Prior to use, the diver MUST perform ALL of the pre dive checks. Failure to do so may result in unit malfunction which could compromise the diver's personal safety and may result in serious injury or death.**

<b>Analysis/Verification of Cylinder Contents</b>	Analyze the Nitrox mixture and ensure it is within $\pm 1\%$ of intended mixture. Ensure tank is labelled correctly.
<b>Orifice Check</b>	Check flow rate of dosage device. Dosage 32%/Tank 32% = 14.2 L/Min - 16.3 L/Min. Dosage 40%/Tank 40% = 9.4 L/Min. - 11.3 L/Min. Dosage 50%/Tank 50% = 6.55 L/Min. - 7.95 L/Min. Dosage 60%/Tank 60% = 5.1 L/Min. - 6.4 L/Min.
<b>Canister Check</b>	After properly filling and sealing, exhale into hole while covering other hole to ensure a complete seal.
<b>Negative Pressure Check of Counterlungs</b>	Ensure unit holds negative pressure(1 minute duration) without leaks after voiding all gas through mouthpiece assembly.
<b>Positive Pressure Check Counterlungs</b>	Fully inflate counterlung, switch mouthpiece to standby and place a 3 lb. weight on counterlung for one minute. Watch and listen for any leaks.
<b>Check Valve Check</b>	Complete procedure for ensuring that gas will not pass through mouthpiece check valves in wrong direction.
<b>Cylinder Pressure Check</b>	Check pressure in both supply and bail out cylinders.
<b>Bypass Valve Check</b>	Turn on gas supply to rebreather. Using mouthpiece, purge counterlungs of gas and check to ensure bypass valve activates.
<b>Bail Out System Check</b>	Ensure bail out system is operational and cylinder is full.
<b>Pre Breathe</b>	Pre breathe unit for at least 2 minutes (longer in cold conditions) to start chemical scrubbing reaction.

**If the unit fails any of these pre dive checks. Do not dive the rebreather until it has been properly serviced by a Drager technician.**

**If you are unclear as to how to complete any of these necessary checks, refer to your Drager Instruction manual or ask a qualified Drager Dolphin Rebreather instructor.**

<b>Cylinder Durations</b>	32%	46 - 57 minutes*
	40%	68 - 86 minutes*
	50%	97 - 122 minutes*
	60%	125 - 155 minutes*

\* Regardless of planned duration, divers must monitor their own SPG and abort dive at 500 psi (40 bar).