CHECKLIST 1
G2000SS DIVING HELMET
DAILY CHECKLIST

BEFORE DIVING THE G2000SS DIVING HELMET, THE PROCEDURES IN THIS CHECKLIST MUST BE COMPLETED, NORMALLY ON A DAILY BASIS (I.E. PRIOR TO THE FIRST DIVE OF THE DAY).

NOTE: *The procedures in this checklist are to be performed only by personnel who have received appropriate training.*

WARNING: Aqua Lung America strongly recommends completion of this checklist and meeting the minimum requirements provided before using the G2000SS diving helmet. However, these requirements are not conclusive, as further steps may be required depending on the type of activity performed. FAILURE TO COMPLY WITH THIS CHECKLIST MAY RESULT IN SERIOUS INJURY OR EVEN DEATH.

CAUTION: When using the G2000SS diving helmet, a correctly maintained and serviceable emergency gas system (EGS) must also be used. The EGS must be confirmed as fully functional prior to diving .

NOTE: *When using the EGS, during completion of the daily checklist, the first stage regulator must have an intermediate pressure (IP) output set between 135 and 150 psig. In addition, the first stage regulator bleed/pressure relief valve should be set between 180 and 200 psig.*

COMPLETE THE FOLLOWING BOXES PRIOR TO THE CHECKLIST

COMPLETE THE SIGNATURE, DATE AND COMMENTS AT THE END OF THE CHECKLIST

Helmet Serial No:	**Date:**
Technician: (Print Name)	

DAILY CHECKLIST (continued)

ACTION	PROCEDURE	INITIALS
NECK RETAINER AND LOCKING SYSTEM (must be completed by diver/tender)	• Visually inspect the neck retainer assembly for signs of damage, such as bends. Confirm that the retainer fits properly. • Make sure the locking system (both L and R) is properly working and not deformed in any way.	
NECK DAM ASSEMBLY (must be completed by diver/tender)	• Visually inspect the neck dam ring for signs of damage, such as bends, scratches on the o-ring surface area or any other deformities. • Visually inspect the neck seal for signs of damage such as tears, rips or cuts. • If the quad ring is dry, lightly lubricate the quad ring. • Replace the neck dam assembly onto the helmet and ensure a proper fit.	
HELMET INSPECTION (must be completed by diver/tender)	• Visually inspect the helmet (interior and exterior) for damage and/or contamination. ***NOTE:*** *If a contaminated area of the shell is cleaned using a wire brush, the brush must be stainless steel or the area will be contaminated.* • Inspect the oral-nasal inhalation valve to ensure that it is installed correctly and that the oral-nasal mask is installed on the regulator. • Check that the nose clearing device operates without problems. If necessary lubricate o-rings and stem (Refer to the technical manual for guidance). • Ensure the speakers and microphones are properly installed. (Refer to the technical manual for guidance). • Ensure that the head liner fits properly and is secured to the inside of the helmet shell. Check for worn-off Velcro, tears and/or rips. (Refer to the technical manual for guidance).	

DAILY CHECKLIST (continued)

ACTION	PROCEDURE	INITIALS
EGS INSPECTION (must be completed by diver/tender) ☞ ***NOTE:*** *Ensure that the EGS is maintained properly.*	• Visually inspect all EGS hoses for any signs of damage or defect. • Ensure that the bailout cylinder is within the VIP and the hydrostatic date. • Check the first stage regulator intermediate pressure (IP) setting before each dive. • Make sure there is no damage to the diver harness and cylinder retainer. Repair or replace if damaged.	
CONNECT THE EGS TO THE HELMET (must be completed by diver/tender)	• Confirm the check valve is properly functioning by orally checking it (suck on valve to confirm seal). • Connect the first stage regulator to the EGS cylinder and the hose to the helmet emergency supply check valve. With the cylinder turned off, open and close the free flow valve to verify efficient operation of the valve. • Open the EGS supply valve on the cylinder and log the pressure. **EGS CYLINDER PRESSURE _____ psig.** • Immediately after logging the EGS pressure, open the helmet free flow valve ¾ to 1 full turn and confirm a powerful flow of gas coming out of the defogger train. After confirmation, close the free flow valve.	
ATTACH THE UMBILICAL (to be completed by tender)	• Confirm the check valve is properly functioning by orally checking it (suck on valve to confirm seal). • Blow air through the umbilical to remove any debris, and attach the umbilical into the umbilical adapter located on the check valve.	

DAILY CHECKLIST (continued)

ACTION	PROCEDURE	INITIALS
CHECK THE SECOND STAGE REGULATOR (must be completed by diver/tender)	• Slowly depress the purge button to check for excessive travel. The purge button should travel no less than 1/16" and no more than 1/8" (1.5 - 3.0 mm) before the regulator begins to flow gas. • Depress the purge button fully and confirm a strong flow of gas. ☞ ***NOTE:*** *If the regulator free flows itself, or after fully depressing the purge button there is a weak flow of gas, regulator needs to be adjusted or the low pressure valve should be replaced or serviced by a trained technician.*	
CONFIRM FUNCTION OF COMMUNICATIONS (to be completed by diver)	• Check all communications to confirm correct functioning.	
CHECK DRY-SUIT INFLATION HOSE (must be completed by tender).	• If fitted, confirm the dry suit inflation valve and exhaust valve are functioning properly.	
CHECK HELMET FOR LEAKS	• Apply soap and water to ALL gas fittings and connections (including the EGS) to check for leaks on the helmet.	
FINAL CHECK (to be completed by tender)	• Check to ensure the neck retainer is in the correct position and properly locked. • Ensure the diver's safety harness is in good condition. • Ensure the umbilical strain is released. • Ensure the EGS hose quick disconnect is in good condition and is functioning properly. • Ensure diver has boots, gloves, knife and other accessories.	

Signature: _____ **Date:** _____

To Technician: Note comment on the space provided below. Be sure to log maintenance in the applicable maintenance log.

Comments: _____

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