

---

## AQUA LUNG G3000SS DIVING HELMET – USER BRIEFING NOTES

---



### INTRODUCTION

The G3000SS Diving Helmet is the latest version of the legendary “Gorski Hat”. It is manufactured by the Aqua Lung Group.

The forerunner of the G3000SS - the original Gorski G2000SS helmet - was designed by Les Gorski, a highly respected and experienced working diver, for use by fellow commercial divers. It was the first production stainless steel diving helmet and, when it entered service in 2004, it changed the commercial diving industry.

The G3000SS takes the durability and performance of the original Gorski helmet to a new level. Improvements include a modern Apeks high performance balanced regulator: Apeks diving regulators are the benchmark that other dive equipment manufacturers strive for in high performance and reliability.

With over 350 helmets in use world-wide, the “Gorski Hat” design is comprehensively field-proven and has an excellent quality and safety record.

### FREQUENTLY ASKED QUESTIONS AND ANSWERS

#### G3000SS IMPROVEMENTS

**Question:** What improvements are included in the G3000SS diving helmet?

**Answers:**

- Apeks GX300 2nd stage regulator with double exhaust (see below for more details).
- Double water dump.
- Ergonomic free flow knob.
- 4-wire communications (Marsh Marine or Hi-Use version).
- Re-designed head liner.
- Re-designed neoprene neck seal.



## **NAME**

**Question: Why is it called the Aqua Lung G3000SS?**

### **Answers:**

- The improvements in the G3000SS design are significant enough to warrant creating a new helmet version.
- We continue to rationalize our ComDive product range under the main Aqua Lung brand so the new helmet is named the Aqua Lung G3000SS Diving Helmet.
- The Aqua Lung name represents the highest standards in diving life support equipment.
- G3000SS is a logical continuation of the original G2000SS designation.
- Original G2000SS: G = Gorski / 2000 = Year of first prototype / SS = Stainless Steel.
- The Gorski pedigree is recognized by the “G” that is retained on each side of the helmet.
- The G3000SS is still known colloquially as the “Gorski Hat”.

## **STAINLESS STEEL CONSTRUCTION**

**Question: What are the benefits of a stainless steel helmet over older fiber glass helmets?**

### **Answers**

- Stainless steel is extremely durable, damage-resistant, and ideally suited for the working diver.
- No threaded inserts are required for securing the visor and faceplate to the helmet shell.
- Stainless steel requires little or no routine maintenance.
- No refinishing is required if the surface is scratched or gouged.
- The external handle is built in.
- The helmet base ring is an integral part of the helmet.
- No additional helmet weights are required.
- Indefinite service life.

**Question: Does the stainless steel in the G3000SS diving helmet provide any specific advantages?**

### **Answers:**

- The helmet is truly all stainless steel construction: marine grade stainless steel 316L is used for the cast helmet shell, neck ring, and neck retainer, giving immense strength to all major components.
- There are no dissimilar metals in contact with the water when diving. The all stainless steel construction resists corrosion and electrolysis - a huge advantage when cutting/burning and welding underwater.

## **APEKS GX300 REGULATOR**

**Question: What are the features of the new Apeks GX300 regulator?**

### **Answers**

- Modern, state-of-the-art 2nd stage regulator.
- Designed and built by Apeks specifically for the G3000SS diving helmet.
- Apeks are world leaders in diving regulator design & manufacture.
- Balanced design with double exhaust.
- High strength, impact-resistant, materials.
- Exceptional breathing performance at all depths & work rates.
- Main components fully protected inside shell.
- Straightforward set up and adjustment procedure.

## HELMET FEATURES

**Question: What are the key features of the G3000SS diving helmet?**

**Answers:**

- The G3000SS features the latest Apeks GX300 Balanced Regulator (see below).
- The helmet has ideal in-water balance when worn due to the lack of an external side block or side weights.
- Critical breathing loop components are protected inside the stainless steel helmet shell.
- The face plate retention system is reinforced (the retaining screws pass through the notched face plate).
- The dual-action locking system for the neck ring enhances safety, operability, and maintainability.
- The quad ring neck seal is highly effective and ensures a dry internal environment.
- The field of view is excellent.
- The breathing regulator is shielded from front impact.
- The breathing regulator side exhaust directs exhaled bubbles away from the face port.
- The new ergonomic free-flow valve knob is easy to grasp, even with gloved hands.
- The free-flow exhaust valve knob is spring-loaded to resist impact damage.
- The rear manifold is fitted with an internal filter screen to remove debris in the breathing supply.
- The helmet head liner (2 sizes available) may be machine-washed and tumble-dried.

## UNIQUE BREATHING SYSTEM CAPABILITY

**Question: What type of breathing system is fitted to the G3000SS diving helmet?**

**Answers**

- The G3000SS is fitted with a high performance demand regulator.
- The helmet may be converted in the field, and within minutes, to free flow mode.
- No other diving helmet offers this unique capability.

## BAILOUT CONFIGURATIONS

**Question: What are the recommended operating configurations of the G3000SS diving helmet?**

**Answers**

- There are 2 standard configurations for use with an Emergency Gas System (EGS) or bailout supply: cylinder “Valve Down” and cylinder “Valve Up”.
- Both configurations use a Bailout Switch Block (P/N AP0281/G) mounted on the diver’s harness.
- The Bailout Switch Block provides an easy to operate ON/OFF valve for the bailout supply.
- In both configurations the bailout supply is routed from the bailout cylinder/first stage regulator through the Switch Block then to the helmet manifold. The bailout cylinder is opened during pre-dive checks and remains open throughout the dive. The Switch Block is also opened during pre-dive checks and then remains closed until required for use. Both hoses remain pressurized to prevent water ingress.

**Question: Can the G3000SS diving helmet be configured without a Bailout Switch Block?**

**Answers**

- Yes. The cylinder “Valve Down” configuration may be used without a Switch Block (i.e. bailout supply hose connected directly to the rear manifold on the helmet). During pre-dive checks the bailout first stage regulator and hose are pressurized and the cylinder valve is then closed. The pressurized hose prevents water ingress. Opening the bailout cylinder valve provides bailout gas directly to the helmet.

## COMMUNICATIONS SYSTEM

**Question: What communications system does the G3000SS diving helmet use?**

**Answers:**

- The helmet is fitted with OTS 4-wire communications as standard.
- The G3000SS is the only helmet to use such high quality components from a respected supplier.
- The internal connection block is accessible and easy to switch over from 4 to 2-wire comms (and vice versa).

## CONTAMINATED WATER DIVING

**Question: Can the G3000SS diving helmet be used for Contaminated Water Diving (CWD)?**

**Answers**

- Yes, the GX300 Regulator has a double exhaust and the helmet water dump has a double exhaust also.
- All manufacturers of dry suits for diving in contaminated water offer yokes for the G3000SS helmet.
- The stainless steel neck ring interfaces with all CWD suits including the Aqua Lung HAZMAT suit.
- Existing dry suits can be modified - at modest cost - by any approved dry suit dealer/repair center.

## ACCESSORIES

**Question: What accessories are available for the G300SS diving helmet?**

**Answers**

- A full range is available:
- Bailout Switch Block
  - Welding Shield Kit
  - Light/Camera Brackets
  - Free Flow Insert Kit
  - Standard Helmet Bag and Helmet Flotation Bag

## TECHNICAL AND LOGISTIC SUPPORT

**Question: What are the technical support advantages of the G300SS diving helmet?**

**Answers**

- The Gorski helmet has approximately half the number of components of other equivalent helmets.
- The low number of components reduces inventory and simplifies service.
- The helmet is straightforward and inexpensive to overhaul.
- The helmet overhaul kit contains all soft goods for annual overhaul.
- Overhaul time is significantly reduced compared to other equivalent products.
- Comprehensive technical documentation and check lists are available on-line.
- Aqua Lung offers a technician training program (certificate valid for 5 years).
- All helmet upgrades and modifications may be retrofitted to existing helmets.

**Question: What technical and logistic support is in place for the G3000SS diving helmet?**

**Answers**

- The G3000SS is supported through the Aqua Lung global network of companies and agents.
- Full details of distributors and service centers are available on our website:

**[www.gorskihat.com](http://www.gorskihat.com)**