



Personal protective equipment for underwater use

CE marking from GL – your seal of approval

A challenge to your business

If you manufacture or supply personal protective equipment (PPE) for underwater use and your PPE products are intended for sale in Europe, you need to have them certified and quality-controlled in line with EC Directive 89/686/EEC to prove that your products comply with the respective Basic Health and Safety requirements. Put simply, the products require CE marking. As an accredited Notified Body with decades of expertise and experience in underwater technology, Germanischer Lloyd (GL) can smooth you the way to CE marking – wherever in the world your company is located.

The solution you need

Our experience in certification of diving equipment goes back to the early 1980s and we have been involved in developing the standards of testing and certifying of PPE for underwater use from the earliest days of the EC Directive 89/686/EEC.

We certify diving equipment of any design and for any recreational, professional or military application, for example autonomous or surface-supplied equipment, open- or closed-circuit re-breathing devices, as well as other personal protective products such as life jackets, diving suits and buoyancy compensator jackets.

Moreover, we are also accredited to carry out the periodical quality audits of products, as demanded by Article 11A and 11B of the EC Directive.

GL – your best partner

Why choose GL? We are not only one of the world's leading IACS classification societies for underwater and diving technology but can also point to many years of experience and expertise in this field. Moreover, we ensure our know-how remains the state of the art through cooperation with universities, research and development



First stage diving regulator with high and medium pressure connections

institutes, engineering offices, manufacturing companies and operators all over the world. As recognised experts for diving equipment according to German and other legislations, we examine diving devices and underwater equipment in collaboration with diving companies. Thanks to our comprehensive specialist know-how we are also known as experts for complex diving equipment, e.g. electronically controlled re-breathing diving apparatus. Our numerous clients include such well-known manufacturers of diving gear as Apeks, Aqualung, Divex, Dräger Safety, Interspiro, Kirby Morgan Dive Systems, Mares, Poseidon, Scubapro, Sherwood SCUBA, etc.

Benefits that make all the difference

- Higher safety levels through compliance with the strictest testing standards
- Consistently high production standards thanks to annual quality audits performed by GL
- Involvement in standardisation work at a national and international level to help harmonise product standards and ensure you benefit from state-of-the-art know-how
- Provision of detailed background information and interpretations of applicable standards
- Assured worldwide service and local support



GL's services also include certification of diving helmets for heavy duty underwater work

Standardisation work

GL is highly involved in the process of exchanging know-how and developing national and international standards. In this, we also profit from the experience and expertise of other accredited Notified Bodies with whom we work in a number of major working groups (see list below).

Our involvement in this standardisation work is motivated by a desire to provide you and all other PPE customers with the best possible service and support in your daily business.

Germany:

Networking Meeting Group for PPE

- Respiratory protection (EK8.1)
- PPE against drowning (EK8.8)

International:

- Horizontal and Vertical Committees of Notified Bodies for PPE
- Article 11 ad hoc group
- CEN/TC 79 SC 7 Technical committee Diving Apparatus
- CEN/TC 359 Task Force Technical Committee – Hyperbaric Chambers

European Standards applicable for PPE for underwater use

Diving apparatus

- EN 250
Open circuit self-contained compressed air diving apparatus
- EN 13949
Open circuit self-contained diving apparatus for use with nitrox and oxygen
- EN 14143
Self contained re-breathing diving apparatus
- EN 15333
Open-circuit umbilical supplied compressed gas diving apparatus

Buoyancy devices

- EN 1809
Buoyancy compensators
- EN 12628
Combined buoyancy and rescue devices

Life jacket, buoyancy aids

- EN 12402
Personal flotation devices (parts 1-10)

Dry and wet diving suits

- EN 14225
Diving suits

One-stop shopping at GL

Since GL has a broad portfolio of underwater technology services, you can benefit from our experience and expertise in the examination and **certification** of other kinds of underwater and subsea equipment such as **diving systems** (incl. decompression chambers, wet bells, etc.), **ROVs** and **AUVs** as well as **hyperbaric medical treatment chambers**. All these services are available from a single source anywhere in the world – because our network of some 6,700 skilled staff operates from around 208 offices all over the globe.

Please take an information tour on our homepage www.gl-group.com/supplyindustry for more combinable services.

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