

Parts and components



Photographer Chris Crumley for Scubapro



Royal IHC

IHC Hytech is part of Royal IHC. IHC enables its customers to execute complex projects from sea level to ocean floor in the most challenging of maritime environments. We are a reliable supplier of innovative and efficient equipment, vessels and services for the offshore, dredging and wet mining markets.

With a history steeped in Dutch shipbuilding since the mid-17th Century, we have in-depth knowledge and expertise of engineering and manufacturing high-performance integrated vessels and equipment, and providing sustainable services. With our commitment to technological innovation we strive to continuously meet the specific needs of each customer in a rapidly evolving world.

Royal IHC. The technology innovator.



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IHC Hytech Diving equipment



We keep you breathing

The technology innovator.

Products



Decompression chambers

Decompression chambers built by IHC Hytech are considered to be market leading and are suitable for any application. They are the result of divers working together with the design teams, mixing seasoned experience with fresh perspectives. IHC Hytech believes that decompression chambers should be easy to operate, to avoid possible errors or losing precious time.

IHC Hytech manufactures decompression chambers in all types of materials and configurations: aluminium, steel, duplex, stationary, mobile or transportable. There are standard tanks, but customers are by no means limited to one model. All decompression chambers can be custom-made to fit their applications precisely.

Compact and lightweight, the DART is ideal for transferring divers under pressure to a hyperbaric medical facility. It is fitted with a rotating STANAG male flange, which allows it to be connected to a large number of hyperbaric facilities.

High-quality components

IHC Hytech manufactures and delivers a wide range of high-quality components, which are designed to meet the toughest standards in the industry. Examples include (portable) diving panels, gas control panels, LED helmet lights, flow fuses, reducers and scrubbers.



EAN systems

The IHC Hytech Enriched Air Nitrox (EAN) production system is a sophisticated user friendly system to produce EAN mixtures up to 40% oxygen in order to perform mixed gas diving operations / excursions.

Advantages

- The IHC Hytech EAN production system eliminates the need to have high pressure pure oxygen cylinders on board with all additional hazards for handling, transporting and placement of these oxygen cylinders on board
- The IHC Hytech EAN production system eliminates the difficulties one can have to find or recharge high pressure oxygen cylinders in remote areas
- The IHC Hytech EAN production system is specially designed to operate under harsh conditions or combinations thereof such as ships movements, salty environments, cold (not below zero) and hot climate
- The IHC Hytech EAN production system is user friendly and gives many different options for the operator to create their own mixtures suitable for the diving activities that are required / planned
- IHC Hytech EAN production system includes all necessary compressors, control panels, filling panels and analysis instruments
- The entire system can be controlled from one control panel which is designed in such a way that it gives full control to the operator
- All used components are selected from the highest industrial standards and from brands which are worldwide available



Containerised systems

IHC Hytech has established a name for itself in containerised systems. These complete self-supporting units are independent and easy to handle. They can be built as standard or custom-made to any specification, such as personal preferences, size of the decompression chamber, selection of compressors and weather conditions (they are operable under extreme weather conditions such as tropical or arctic). Supported by its in-house engineering department, IHC Hytech can manufacture the right container for the job according to various standards, such as IMCA, DNV, ABS, BV and Lloyds Register.

Versatility

The versatility of these containerised systems is unrivalled. IHC Hytech can offer a total package, whether it is a portable or integrated system (in a ship or building). All necessary equipment, such as personal gear can be delivered.

Over the years, IHC Hytech has manufactured a large number of containerised systems, such as:

- Containerised decompression chambers
- Mixed gas production units (EAN/Oxygen)
- Machinery containers
- Dive control containers

