



# Scuba Diving – Discover the Deep

Fascination and Inspiration submerged

Scuba was originally an acronym, but is now generally used as a common noun or adjective. By the early twentieth century, two basic templates for Scuba (self-contained underwater breathing apparatus) had emerged:

Open-Circuit Scuba where the Diver's exhaust is vented directly into the water, and Closed-Circuit Scuba where the Diver's unused oxygen is filtered from the carbon dioxide and will recirculated.

A Scuba Diver primarily moves underwater by using fins attached to the feet, but an external propulsion can be provided by a Diver propulsion vehicle, or a sled pulled from the surface.

Scuba Diver carry their own source of breathing gas, usually compressed air, allowing them greater freedom of movement than with an air line or Diver's umbilical and longer underwater endurance than breath-hold. Scuba Equipment may be Open Circuit, in which exhaled gas is expelled to the surroundings, or a Closed or Semi-Closed Circuit Rebreather, in which the breathing gas is scrubbed to remove carbon dioxide, and the oxygen used is replenished from a supply of feed gas before being re-breathed.

Scuba Diving may be performed for a number of reasons, both personal and professional. Recreational Diving is performed purely for enjoyment and has a number of distinct technical disciplines to increase interest underwater, such as Cave Diving, Wreck Diving, Ice Diving and Deep Diving.

Divers may be employed professionally to perform tasks underwater. Some of these tasks are suitable for Scuba. Professional Scuba Diver are trained to manage situations in which they may face vertigo or entanglement.

Lastly, there are Professional Diver involved with underwater environment, such as underwater photography or underwater videography Diver who document the underwater world, also Scientific Diving, including Marine Biology, Geology, Hydrology, Oceanography and Underwater Archaeology. Other specialist areas of Scuba Diving include Military Diving, with a long history of military frogmen in various roles.

The choice between Scuba and surface supplied Diving Equipment is based on both legal and logistical constraints. Where the Diver requires mobility and a large range of movement, Scuba is usually the choice if safety and legal constraints allow. Higher risk work, particularly in Commercial Diving, may be restricted to surface supplied equipment by legislation and codes of practice.

► This Platform should merge all enthusiastic Scuba Diver worldwide. Enjoy it. Become a part. ◀

