

Abstract

Title: Use available resources to experimental measurements of the dynamics of bubbles and microbubbles.

Objective: Find out available devices for use in simple experiments observing the dynamics of bubbles or microbubbles.

Methods: Literature review of decompression theory and related. Mathematics and theoretical methods for determining the critical bubble size. Ensure the available devices. Using simple experiment to measure the bubbles size. Collect of value and analysis.

Results: Available devices used for simple experiment in laboratory conditions. During the experiment, it was possible to observe the dynamics of bubbles in macroscopic size. For the measurement of microbubbles in the critical areas of growth is need to use device with a higher magnification.

Keywords: Press, liquid, air bubble, scuba diving, decompression.