COMPUTERISED SURFACE TEST FACILITY

Description

The Computerised Surface Test Facility has been specifically designed to allow dive shops / service centres to conduct performance testing of serviced regulators.

The CSTF is a cost effective, computerised facility that comprises a flow / control box, a laptop or PC and a printer.

The software is intuitive to use providing a comprehensive customer and regulator database, digital readings for set-up purposes and a fully automated cracking pressure / high flow test for determination of performance.

To set-up the regulator after servicing, the CSTF digitally displays; (1) the interstage pressure for setting the 1st stage and (2) the cracking pressure for setting the 2nd stage. The fully automated, computer controlled flow test may then be initiated. This will measure / display the cracking pressure and during the high flow test measure / display the inhale breathing resistance, interstage pressure drop and high pressure drop. Upon completion of the test, the test data can be stored and also printed in the form of a Test Certificate, providing a record of the test for the customer. A regulator / customer history can be built up over a period of time for statistical records.

The high flow demanded by the CSTF approaches the peak flow requirements at a depth of 50 metres and 62.5 litres / min ventilation. Thus, if the regulator can supply sufficient air during the high flow test without exceeding 25 mbar of inhale breathing resistance, it is likely to meet the above depth / ventilation demand.

Notes

1. A high pressure air supply will be required (see picture), this is **not included.**
2. Customised high pressure systems with regulated / adjustable supply pressure may be integrated into the CSTF. Please enquire for details / cost.