

## Description

The automatic testing equipment is designed for destructive tests under high pressure up to 400 MPa. It is built as a stable welded cabinet made from ground stainless steel wherein two high-strength test chambers are built. The chambers may be used alternately, the process takes place in one chamber and the sample for the next test is prepared in the other chamber. The control panel comprising a process monitor, a pressure gauge, controls and a record printer is in form of an independent elevated console. A high-pressure water distribution system with a pressure maximator and pneumatically controlled valves is installed inside the cabinet under a cover.

The sample under test is first filled with water for the test purposes and then screwed on the flange of the pressure distribution system of the machine by means of a reducing adapter. Having the sample been connected, the lid of the test chamber will be closed and secured and the automatic test cycle can be triggered. The sample can be tested by means of water pressure up to 400 MPa depending on the selected programme. The course and results of the test are recorded in the memory of a PLC and may be shared by connecting to a LAN or printed out in a graphic form by means of the built-in thermal printer.

## Features:

- The equipment is able to reach hydrostatic pressure up to 400 MPa.
- The test chambers for pressure tests are welded from stainless steel of thickness equal to 5 mm. The lids have locks which are electrically secured.
- The volume of the working water tank is 12 litres and the water level is controlled by a float.
- The test takes place always in one test chamber, another sample for the next test can be prepared simultaneously in the other chamber.
- The adjustment and control of the test, record of results and safety functions are ensured by the PLC with a touch screen of 7 inches and with application software.
- The equipment is fitted with travelling wheels for an easy handling after the media are disconnected.

## Supplies

The main electric power supply flexible 1NPE AC 230V 50Hz/TN-S.

Pressure air, filtered, not greased, 6 bar.

Industrial water 3/8" pipe, minimum pressure 0.2 MPa.

## Dimensions and weight

Length:	1500 mm
Width:	700 mm
Height:	1650 mm
Weight:	460 kg

