AQ2tb is a new advanced software for use on GIUSSANI test benches. It allows to perform, in accordance with international Standards, hydraulic tests on sanitary taps, accessories, pipes, fittings and hydraulic components in general. The software is available in multilanguage version and with the possibility of working with different units of measure. It allows to acquire in real time all the main physical quantities (temperatures, pressures, flow-rate, degrees, torque, etc ...) and provide a detailed graphic documentation of tests being carried out.
**Base software:**

**AQ2TB BASEMODE**
Basic software for test benches, with a multi-channel data acquisition system, applications for password, language and messages management. Automatic or semi-automatic bench calibration and testing system.

**SYNOPTIC GRID AND COMMANDS**
Entry page with access to the password, service functions, calibrated, change language access to software installed. Each application includes:
- Video screen representing the hydraulic system with an interactive synoptic: change of colour on intercepted lines, display of opening and closure of valves, indication of each important size in real time, display of alarms.
- Regulation of pressure pump with three command modes:
  - Adjusting the slider in continuous mode between zero and 100% of the scale bottom.
  - Setting the value required with resolution of 0,01 bar.
  - Using a sequence of 10 preset values.
- All commands of the internal valves and pumps occur through mouse clicking on the corresponding graphic symbol.
- All the video screens present can be printed with annotations and customer logo.
- Help on-line with all the main operating instructions.

**TEST DISPLAY**
- Video screen with multi-trace graph with different colours to identify the size representing the cold, hot and mixed water.
- Possibility to set the time of acquisition, the time base of the reading window, which can be made scroll to end acquisition, possibility to enlarge the work area.
- Summarising chart at end of test of the minimum average and maximum values of each size measured during the test.
- Automatically self-scalable graphs.

**ZOOM FUNCTIONS AND MEASUREMENTS**
At the end of acquisition through the mouse it is possible to analyze the test graphs in detail, enlarging and analyzing an important area. With the measuring function it is possible to analyze the result of the test in detail: the software allows to trace up to ten lines of horizontal and vertical reference and to perform up to ten measurements between the intersection of the lines of reference and measurement. Measures and lines can be deleted or made invisible for a better graphic representation of measure done.

**COMPONENT DETAILS**
Enter of test details with information relating to the customer, category, model, etc.
Save, load and delete test functions.

**TEST REPORT**
All screen images can be instantly saved or printed. Each test generates a report with details of the test, data acquisition graphs, final data and a representative screen shot. Each test can be recalled and the graph settings changed.

**MAIN FUNCTIONS OF SERVICE MENU**
Calibration panel for automatic or semi-automatic check of the bench transducers.
Application for enabling the external conditioner and managing the water recovery device.*
Storage of the most important events occurring during use of the bench.
Management of password for controlling access to applications.
Option of changing the units of measure for the physics quantities monitored.
Choice of interface language for messages, commands and instructions.**

* Function available only in benches with air-conditioned chamber and/or water recovery device.
** Languages available upon request from customer.