Test & demonstration bench

Ref: HD

MAIN FUNCTIONS
The test and demonstration bench is compatible with all types of faucets. Its function is to perform simple tests in manual mode to control and measure:
- Leaks by generating hot and cold water pressures, up to 10 bar in closed flow;
- Flow rates;
- Pressures;
- Hot, cold, and mixed water temperatures.

The equipment has been designed for specialized stores that wish to equip themselves with a system that allows them to perform rapid tests or to demonstrate the proper functioning of a faucet.

APPLICATIONS

MECHANICAL MIXING VALVES
The hard spot water flow or the mixing valve temperature limitation can be tested on this bench.

THERMOSTATIC MIXING VALVES
The bench makes it possible to ensure the correct positioning of the temperature, in the safety position for example, of a thermostatic mixing valve.

SELF CLOSING MIXING VALVES
Ability to measure flow and flow duration on a self-closing mixing valve.

ADVANTAGES

SIMPLE CONFIGURATION
The bench is equipped with two pressure setpoint controls (HW/CW) for simple bench adjustment.

COMPACT SOLUTION
Ergonomic unit, very compact and easily transportable.

INDEPENDENT ADJUSTMENT
The HW pressure is adjusted independently of the CW pressure.

EXPANDABLE SINK
The bench has two sinks that adapt to the type of faucet tested.

OPERATING PROCEDURE
- After installing the faucet to be tested, the user sets the two independent inlet pressures (hot water/cold water). The bench manages the servo-control of the pressure.
- A flying probe measures the temperature of the mixed water.
- The display shows pressure, temperature, and flow measurements of the hot and cold water.

TECHNICAL CHARACTERISTICS

- Max flow: 2-25 l/min
- Inlet pressures: 0 to 4 bar
- Outlet pressure: 6 to 10 bar
- Delta P: ± 1 bar
- Pressure measurement: ± 0.01 bar
- Temperature measurement: ± 0.2°C
- Flow measurement: ± 0.1 l/min

OPTIONS
- Anti-salvage test
- Initial draw test thanks to a hot/cold bypass

TESTS ACCORDING TO STANDARDS
EN 817
EN 1111
Doc Tech 3
Doc Tech 4

1 - Control screen  2 - Cold/Hot pressure control  3 - Test valve  4 - Expandable sink