

# BPDS

**TEST BENCH DRAIN DEVICE  
FOR SANITARY EQUIPMENTS  
(ACCORDING TO THE EN274)**



**Applications:**

Flow test according to the EN274:

- Floor drains
- Floor drains with siphon
- Overflow device for wash-basins
- Floor drains for shower device



# BPDS

The bench consists of two test stations placed side by side in order to perform flow rate testing on draining devices and shower drains.

The control console includes the central control board, the flow rate indicator and control devices.

## MAIN COMPONENTS

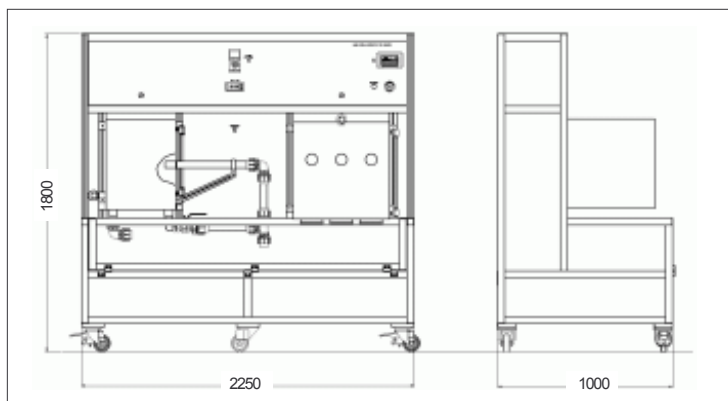
- n. 1 Multistage vertical pump fitted with speed control by inverter in order to supply water at adjustable flow rate up to 100 L/min.
- n. 1 Electromagnetic flowmeter situated on the cold line (range: up to 100 L/min.) indicating instantaneous flow rate.
- n. 1 Backwater tank fitted with blowdown valve, automatic filling device with level gauge and sliding covering platform.
- n. 1 Test tank manufactured according to the rule EN 274-2 chapter 5.1, used for testing drains, traps and overflow devices for sinks and basins. Stainless steel design fitted with internal partition. The tank is equipped with 3 female sleeves welded on the bottom and unions located on the front wall. Perforated plastic plugs are supplied for installing devices that must be tested. Measuring device fitted with external graduated level gauge.
- n. 1 Test tank manufactured according to the rule EN 274-2 chapter 5.3, used for testing drains for shower plates. Stainless steel design fitted with internal partition, lateral draining pipe. Measuring device fitted with external graduated level gauge.

## DESIGN FEATURES:

- Aluminium supporting structure (40 x 40 mm), fitted with laminated plastic buffering panels and front splash-proof door.
- Stainless steel test tanks (15/10 mm) which can be placed at adjustable height.
- Assembly on whirling wheels fitted with parking brakes.
- Internal cold and warm water supply system manufactured with insulated pipes and compression fittings.
- Servocontrolled valves for all internal uses.

## VERSION WITH THERMAL STRESS TESTS:

In order to perform testing according to the rule EN 274-2-3, by alternating cold water at 20 °C from the supply system with warm water at 95 °C, the bench is equipped with an accumulation tank for warm water with heating unit, temperature control and power supply circuit with valves servocontrolled by P.L.C.



## BPDS TECHNICAL DATA

Water flow	0÷100 lt/min
Accuracy	±0.5%
Pneumatic supply	6÷10 bar
Electrical supply	400V - 50 Hz (3P+N+T)
Power	1,5 KW
Dimension (mm)	1900 x 1000 x 1800h
Weight (Kg)	400 circa

## BPDS TECHNICAL DATA + THERMAL STRESS

Power	9,5KW
Dimension (mm)	2500x1000x1800
Weight (Kg)	500 circa



ISO 9001  
CERT. N° 9115 GIU1



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## CERTIFICAZIONE

All instruments are provided with stability and precision test certificates, in accordance with the primary S.I.T. (Italian calibration service) samples.

**A QUESTION OF CALIBRATION**