HYDROSTATIC BENCH
Mod. HYDB/EV

DESCRIPTION
The bench was designed to study the properties of fluids in static conditions and it allows to understand and deepen a wide range of fundamental principles of hydrostatics.

TRAINING PROGRAM:

- Density, specific gravity and viscosity
- Capillarity
- The principle of communicating vessels
- Liquid level measurement
- The relationship between pressure and depth of the liquid
- Determination of the center of pressure (only with optional model mod. HB2/EV)
- Use of a barometer
- Measurement of the pressure with a U-type manometer
- Calibration of a Bourdon gauge (only with optional model mod. HB1/EV)
- Principle of Archimedes
- Metacentric height (only with optional model mod. HB4/EV)

TECHNICAL SPECIFICATIONS:

- Frame and worktop with tank made of stainless steel AISI 304
- Stainless steel AISI 304 water tank
- Hand pump
- Hydrometer 0.7 - 2.0 g / ml, 0.01 ml division
- Ball viscometer
- Containers for the study of communicating vessels
- Depth gauge
- Ecological barometer, 975-1050 hPa
- 2 U-type gauges
- Pascal's apparatus
- Apparatus for the observation of a capillary parallel glass phenomena
- Apparatus for the study of capillary tube phenomena
- Hydrostatic balance
- Graduated cylinder
- Thermometer
- Syringe
- Beaker
- Digital stopwatch

Dimensions: 1600 x 700 x 1920 (h) mm
Weight: 200 kg

Detail of some components

OPTIONAL

DEAD WEIGHT CALIBRATOR
MOD. HB1/EV

CENTRE OF PRESSURE
MOD. HB2/EV

STABILITY OF A FLOATING BODY
MOD. HB4/EV

SUPPLIED WITH

THEORETICAL-EXPERIMENTAL MANUAL

FLUID MECHANICS

www.elettronicaveneta.com

41A-E-HB-HYDB-0

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