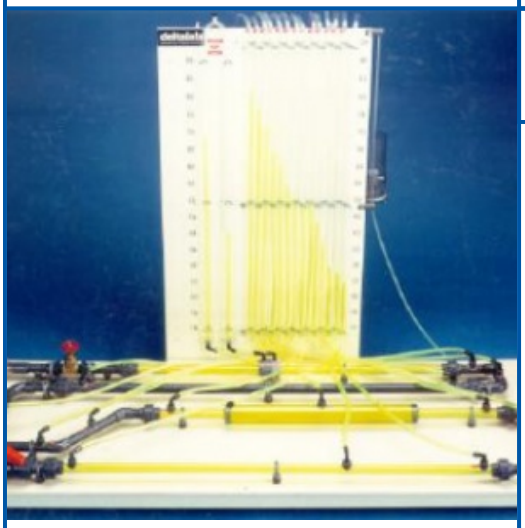
FLUID DYNAMICS BENCHES



Non contractual photo

SERVICE : POWER SUPPLY (220 / 240V, 50HZ) ARRIVAL AND EVACUATION OF WATER
DIMENSIONS : EX400 : 1500 X 600 X 1200 MM / EX402B + EX408B : 700 X 450 X 800 MM
WEIGHT : EX400 : 25KG / EX402B + EX408B : 20KG

REFERENCE : EX400

The EX400 fluid dynamics study bench allows the fundamental laws of hydraulics to be verified in closed conduits. It generates different types of permanent flows for the quantitative study of changes in pressure losses as a function of flow.

Possible experiences :

- Flow measurement using a calibrated diaphragm
- Study of pressure losses distributed along a pipe, 1 m long, equipped with 3 pressure taps
- Studies of singular pressure losses: diaphragm; bends at 90 ° small radius and large radius; elbows at 45 °; T-fitting; sudden narrowing; sudden enlargement
- Visualization of the laminar-turbulent transition by dye injection

Technical specifications :

The EX400 bench consists of basic elements on which the components to be studied are fixed.
Each component is fixed by pressure taps connected to a vertical multimanometer with a millimeter scale.
The bench has a panel comprising a set of piezometric tubes and a U-tube. Visualization of the laminar - turbulent transition by dye injection.

OPTIONS :

EX402B Power Supply Volumetric flow measurement: EX408B

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