

FLOW THROUGH ORIFICES

Mod. HB7/EV

DESCRIPTION

The equipment is composed of a graduated tank with constant level on whose base two discharge orifices with different diameter can be installed. The level inside the tank can be changed by adjusting the height of the overflow. A device allows to trace the path of the jet using some rods placed on the free surface of the jet.



TRAINING PROGRAM:

- Determining the velocity coefficient for a small orifice
- Experimental determination of the discharge coefficient for a small orifice with flow under constant head and flow under varying head
- Comparing the measured trajectory of a jet with that predicted by theory of fluid mechanics

TECHNICAL CHARACTERISTICS:

- AISI 304 Stainless steel structure
- Orifice diameters: 4 mm and 8 mm
- Jet trajectory probes: 8
- Height of overflow: 410 mm

Dimensions: 800 × 400 × 800 (h) mm

Weight: 20 kg

REQUIRED

HYDRAULIC BENCH
MOD. HB/EV OR HB-E/EV
- NOT INCLUDED -



SUPPLIED WITH

THEORETICAL-EXPERIMENTAL
HANDBOOK



OPTIONAL

SPREADSHEET SOFTWARE
For fluid mechanics equipment
Mod. SW-HB7/EV

