



This equipment has been designed to verify the validity of the theoretical expressions that determine the force applied by a jet stream on different types of deflectors.

The equipment, operating on the hydraulic bench, allows a perfect visualization of the impact of the jet stream on the studied deflector thanks to its transparent housing.

The bubble level allows the correct leveling of the equipment for improvement of the precision in the results.

### **REMARKABLE ASPECTS**

- System for simple and fast change of deflectors.
- Four different deflector types: 30°, 90°, 120° and 180°.

### LEARNING OBJECTIVES

- Study and determination of the jet forces.
- Influence of the different deflector angles:
  - 30°
  - 90°
  - 120°
  - 180°
- Influence of the jet stream linear speed.

### TECHNICAL DATA

#### Deflectors

- 30°
- 90°
- 120°
- 180°

#### Weights

- 10 x 100 g.

#### Nozzle

- Diameter: 8 mm.

### REQUIREMENTS

- Hydraulic bench FL 01.4 or FL 01.5 or FL 01.6