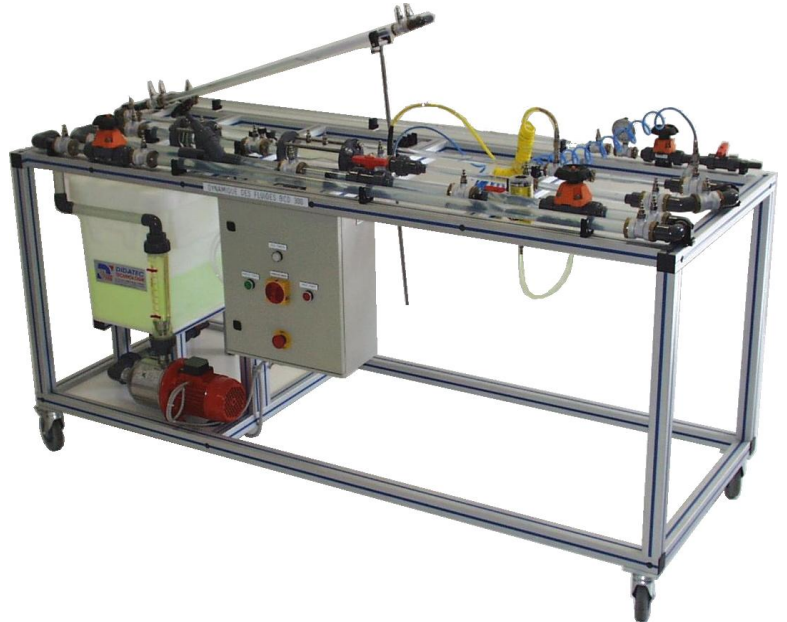


Fluid mechanics unit

DESCRIPTION

- ▼ This unit consists of the main components found in an hydraulic installation.
- ▼ A differential pressure sensor with a display and connectors that readily permit measurements in various parts of the circuit is provided.
- ▼ Transparent tubes are used to observe the flow.
- ▼ By adjusting flows and pressures, laminar or turbulent streams may be observed.
- ▼ Closed circuit operation.
- ▼ Equipment is designed and manufactured to industrial standards.



SUGGESTED APPLICATIONS

- Loss of pressure study
- Descending, ascending or inclined pipe
 - Different diameter pipes
 - Short radius bend
 - Long radius bend
 - Three different types of valves
 - Sudden diameter increase
 - Sudden diameter decrease
 - Smooth or rough pipe
 - Laminar or turbulent discharge stream
 - Plexiglas venturi
 - Plexiglas diaphragm

BCD 300

COMPONENTS TO BE STUDIED

DN 25 horizontal pipe - length : 1500 mm
Short horizontal radius bend
Horizontal membrane valve
Global step valve (spherical «dome»)
Inclined horizontal seat valve
Long horizontal radius bend
Horizontal diaphragm
Horizontal venturi
DN 25 reduction - DN 15 horizontal
DN 15 increase - DN 25 horizontal
45° horizontal bend
135° horizontal bend
Horizontal DN 15 tube - length : 1500 mm
Horizontal, inclined or vertical DN 15 lyre tube - length : 2000 mm
Rough horizontal DN 15 tube - length : 1500 mm

TECHNICAL CHARACTERISTICS

Water tank-75L
Centrifugal pump - 4.8KW - 4 m³/h – 45 m CE
Flow meter
Manometer
Adjusting valve of circuit
Evaluation valve
Differential pressure sensors 0-4 bars with fast connections

UTILITIES

230 V single-phase - 50/60 Hz

DIMENSIONS

Length : 2090 mm
Width : 795 mm
Height : 1200 mm
Weight : 110 kg

