FLUID MECHANICS

PASCAL'S LAW DEMONSTRATION

DL DKL281

This didactic trainer is designed for the study and demonstration of the law of Pascal.
This law was enunciated by the physicist and mathematician Blaise Pascal (1623-1662), and states that the pressure exerted anywhere in a confined incompressible fluid is transmitted equally in all directions throughout the fluid such that the pressure variations (initial differences) remain the same.
Furthermore, with this system it can be studied the hydrostatic paradox, which is a consequence of the Pascal' law: the pressure within the liquid at rest depends only on the depth of water, regardless of the amount."
There are many applications based on the law of Pascal, one of the best known it is the hydraulic press.

TRAINING OBJECTIVES

- Study and demonstration of Pascal's Law.

TECHNICAL DATA

Set of containers:

- Maximum depth of the glasses: 228mm
- Parallel glass: Ø26mm
- Conic glass A
  - Superior Ø: 101mm
  - Inferior Ø: 26mm
- Conic glass B
  - Superior Ø: 9mm
  - Inferior Ø: 26mm

Membrane
- Membrane Ø: 56mm