

Vertical fluid mechanics unit

DESCRIPTION

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

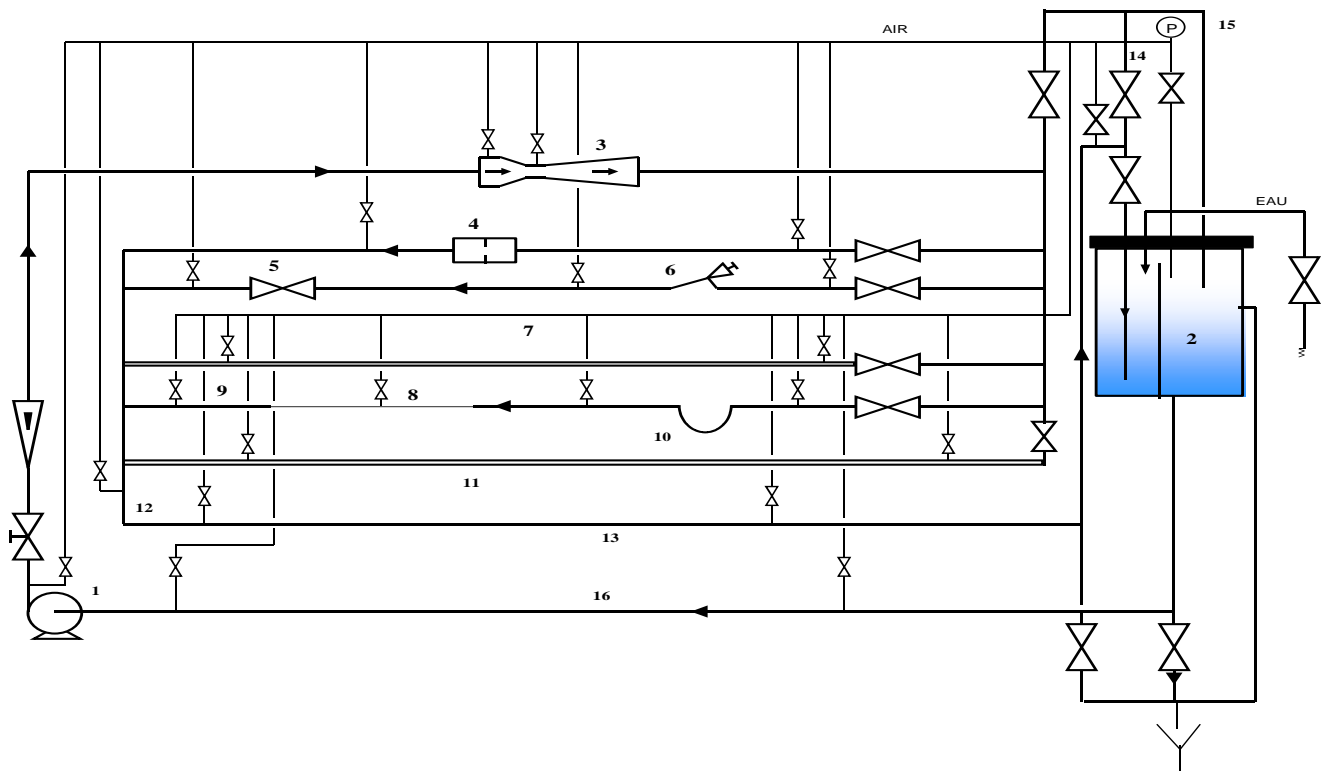


SUGGESTED APPLICATIONS

STUDY OF LOSS OF PRESSURE

- Descending, ascending or inclined pipe
- Different diameters pipes
- Short radius bend
- Long radius bend
- three types of valves
- Sudden diameter increase
- Sudden diameter decrease
- Smooth or rough pipe
- Laminar or turbulent discharge stream
- Plexiglas venturi
- Plexiglas Diaphragm

BCD 500



COMPONENTS TO BE STUDIED

- 3 Horizontal venturi - PVC DN 50
- 4 Horizontal diaphragm - PVC DN 25
- 5 Global step valve (spherical "dome") DN 25
- 6 Inclined horizontal seat valve DN 25
- 7 Horizontal and rough pipe DN 25 - steel
- 8 Horizontal decrease DN 25 - DN 15
- 9 Horizontal increase DN 15 -DN 25
- 10 Horizontal short radius bend
- 11 Transparent pipe - PVC with tracing fluid injector
- 12 90° bend - PVC
- 13 PVC pipe - DN 25
- 14 Air relief cock
- 16 PVC pipe - DN 40

ELECTRICAL BOX

Electrical components are housed in a box to ensure the operator's safety.

TECHNICAL CHARACTERISTICS

- 1 Centrifugal pump 0.75 KW 4m³/h 45mCE
- 2 Water tank 90L
Flow meter 0- 10 m³/h
Regulation valve for circuit
Supply valve
- 15 Differential pressure sensor with display
0-4bars With supply indicator
230 single-phase – 50/60Hz

DIMENSIONS AND WEIGHT

- Length : 4000 mm
- Width : 795 mm
- Height : 1850 mm
- Weight : 170 kg