

Mechanics of liquids and gases

Pressure in liquids

Propagation of pressure

Object of the experiment

1. Demonstrating the uniform transmission of pressure in all directions in a liquid

Setup**Apparatus**

1 Transmission of pressure apparatus.....	361 25
1 Measuring beaker, PP, 1000 ml.....	604 211

Carrying out the experiment

- Pull the piston out completely, and wet the rubber packing with water.
- Immerse the sphere in the measuring beaker, and allow water to enter through the openings.
- Carefully push the piston into the cylinder by approximately 1 cm.
- Then keep the pressure transmission apparatus horizontally in front of your body, and push the piston in quickly.
- Observe the escaping jets of water.
- If necessary, repeat the experiment.

Evaluation

The water escapes uniformly from all openings of the sphere.
In closed liquids, pressure is transmitted uniformly in all directions.