

Product Name :
Energy Losses in Piping Elements**Product Code :**
FUDE0051**Description :**

Energy Losses in Piping Elements

Technical Specification :

- pressure losses in various pipe fittings and in the ball valve
- precise pressure measurement via annular chambers
- visualisation of differential pressures on manometer panel

When water flows through a pipe system, the flow resistances causes pressure losses to occur at pipe fittings and valves and fittings.

The unit can be used to investigate and visualise the pressure

losses in pipe elements. The experimental unit can be used to assess how different pipe geometries affect the flow.

The experimental unit comprises a pipe section containing several pipe elements with different flow resistances, as well as a contraction and enlargement piece. There is also a ball valve integrated in the pipe. There are pressure measuring points with annular chambers upstream and downstream of the pipe elements, which ensure accurate pressure measurement.

The pressure measuring points can be connected in pairs to a 6 tube manometers in order to determine the pressure loss of a pipe element.



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