

Product Name :
Energy Losses in Bend and Fitting**Product Code :**
ALABS-A43-055ALTEC™**Description :****Energy Losses in Bend and Fitting**

- Circuit with four bends of different radii
- Enlargement, contraction and gate valve, plus control valve
- Manometer board with 12 tubes plus differential pressure gauge
- Hand pump for pressurization of manometers
- Quick release fitting for easy connection to hydraulics bench
- Educational Software available as an option

Description:

- The equipment is mounted on a free-standing framework which supports the test pipework and instrumentation.
- The following typical pipe fittings are incorporated for study: mitre bend, 90° elbow, sweep bends (large and

small radius), sudden contraction and sudden enlargement.

- All are instrumented with upstream and downstream pressure tapplings.
- These tapplings are connected to a bank of twelve water manometer tubes, mounted on the framework. Pressurisation of the manometers is facilitated by a hand pump.
- A gate valve is used to control the flow rate. A separate gate valve is instrumented with upstream and downstream pressure tapplings which are connected to a differential gauge on the edge of the framework.

Technical Details:

Name

Pipe diameter:

Differential pressure gauge:

Enlargement diameter:

Contraction diameter:

75 mm

-elbow

-short bend

-large bend

-enlargement

-contraction

Manometer range:

Number of manometer tubes:

Differential manometers:



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