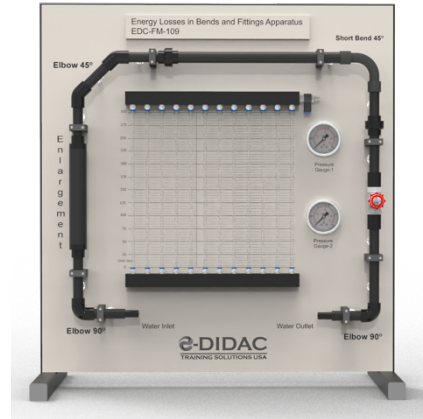


## Energy losses in Bends and Fittings Apparatus (EDC-FM-109)

### EXPERIMENTAL DATA:

- Investigation of head loss in pipe fittings
- Investigation of pressure loss in pipe fittings for laminar and turbulent flow
- Investigation of load losses for a valve
- Investigation of pressure differential at sudden enlargement and contraction



### DESCRIPTION:

This experimental unit consists of a pipe section containing different segment fittings along the loop as well as sudden enlargement and contraction elements. All of the elements and fittings are connected to the manometer manifold while clear piping to visualize pressure differential.

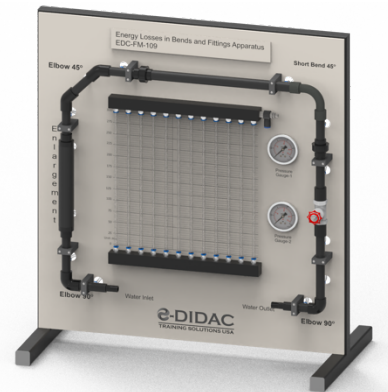
This unit can be used with EDC-FM-100 or can also be used with laboratory water supply. The on-board flow control valve allows students to observe the pressure losses at different flow rates.

### TECHNICAL DATA:

- PVC Pipes
- Inner Diameter: 12.5mm
- Sudden enlargement: 12.5mm to 25.4mm
- Sudden contraction: 25.4mm to 12.5mm
- 45 Degree Elbow
- 90 Degree Elbow
- Wide Pipe bend
- Flow control valve
- Bourdon gauge: 0 to 2.5Bar
- Manometer tubes: 12

### SCOPE OF DELIVERY:

- 1 x EDC-FM-109
- 1 x Instructional Manual



### DIMENSIONS AND WEIGHT:

L x W x H (mm): 750 x 400 x 800

Weight: 15 kg

