

HM 240.05 PIPE FITTINGS



- **Friction losses on pipe fittings with a flow of air**

Technical description

With the HM 240.05, an accessory for the HM 240, it is possible to investigate the pipe friction losses in a flow of air for different fittings such as a straight pipe section, an elbow, a bend, and different pipe inlets. The models supplied are made of plastic and are equipped with connections for pressure measurement; these are connected to the Computer Linked Air Flow Bench.

Experiments

With HM 240.05, HM 240.01, and HM 240.05, the following experiments are possible:

- Pressure loss measurements on pipe sections
- Pressure loss measurements at an elbow
- Pressure loss measurements at a bend
- Investigation of the influence of different shaped pipe inlets

Specification

- [1] Model on pipe friction losses
- [2] l_xw_xh unassembled 1500x200x400mm,5kg
- [3] Bend and elbow, each 90°
- [4] Straight pipe section, extension possible
- [5] Two different pipe inlets

Technical data

Pipe section with flange:
1235mm long, inside diameter 53.6mm
Extension: 991mm long (with inlet)
Pipe inlet: undisturbed inlet 22mm radius
Discontinuous enlargement: 35...53.6mm

Dimensions and weight

l_xw_xh unassembled : 1500 x 200 x 400 mm
Weight : approx. 5 kg

Scope of delivery

1 set of models, 1 instruction manual

Order details

070.24005 HM 240.05 Pipe Fittings