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Product Name :
Pipe Work Energy Losses

Product Code :
LBNY-0005-1030005



Description :

This apparatus has a single circuit with bends, pressure tapplings and an expansion-contraction. A ball valve at the pipe exit controls water flow. The valve is downstream, so it does not cause any upstream turbulence. This compact bench-top apparatus uses smooth, industry standard plastic pipe, commonly used in domestic and other small-bore water systems. It works with Digital Hydraulic Bench. The bench supports the apparatus and circulates and measures the water flowing through it. A useful diagram on the apparatus shows the main dimensions of the pipework and fittings. It also shows the positions of the tapplings and the tubes that they connect to. Each pressure tapping point in the pipe connects to a piezo meter tube in the vertical panel of the apparatus. The product includes a hand-pump to adjust the datum of the piezometer tubes. During experiments, these tubes measure and compare pressure differences across the bends, expansion and contraction.

Technical Specification :

Bends and fittings: 90-degree mitre bend, elbow bend and large radius bend. All using 22 mm internal bore
Sudden contraction from 28.4 mm to 22 mm
Sudden expansion from 22 mm to 28.4 mm
Maximum water pressure: 2 bar.
Net Dimension And Weight:
980 mm wide x 800 mm high x 460 mm front to back and 12 kg.

Laboratory Instrument India

