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**Product Name :**  
Flow In Pipes Apparatus

**Product Code :**  
LBNY-0005-16100012



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**Description :**

Two duct support stands are provided (only one is shown in the picture) and the experiments require the use of a necessary accessory, the Multitube Manometer. The equipment comprises additional sets of ductwork manufactured in aluminium containing both pressure tapplings and pitot static tube points together with a set of inlet adaptors which can be connected to the intake of the fan by means of deep spigoted sockets with O ring seals and over-centre toggle latches.

**Items of ductwork comprise:**

The graph shows typical results which can be obtained when measuring duct entry pressure.

65 mm dia. inlet duct with sudden transition to 95 mm dia. incorporating six static pressure tapplings.

65 mm dia. bellmouth intake adaptor.

95 mm dia. by 1400 mm long section with six static pressure tapplings, together with a pitot static mounting pad.

65 mm dia. bluff intake adaptor.

95 mm dia. by 1400 mm long section with a static pressure tapping and a pitot static mounting pad.

**Technical Specification :**

**Experimental Capability:**

Study of sudden enlargement losses from 65 to 95 mm diameter.

Velocity profile development in a 95 mm diameter pipe.

Friction losses in a 95 mm diameter pipe.

Duct entry pressure profile with 65 mm diameter sharp, bluff and bellmouth entries.



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