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**Product Name :**  
Flow Of Compressible Fluids

**Product Code :**  
LBNY-0005-103000209



#### **Description :**

Investigate flow of compressible fluids  
Transparent measuring objects with connectors for pressure measurement provide insight into the Internal structure  
Pressure losses in subsonic flow in pipe elbows and various pipe sections  
Measuring nozzle for determining the mass flow  
Subsonic and transonic air flow  
Variable speed on the radial fan for adjusting the mass flow  
Record fan characteristic curve using a throttle valve  
Digital displays for pressures, velocity and speed  
Minimised turbulence by drawing in air and optimum arrangement of the measuring objects  
Orifice for determining volumetric flow rate by differential pressure measurement  
Pressure curve at subsonic and transonic nozzle flow.

#### **Technical Specification :**

##### **Technical Data:**

Radial fan  
Max. power consumption: 1,6kW  
Max. volumetric flow rate: 206m<sup>3</sup>/h  
Max. speed: 34000min<sup>-1</sup>  
Max. head: 271mbar  
Measuring objects  
Pipe section: 1m, diameter: 16, 24, 34mm

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90 pipe elbow  
2 nozzles, inner diameter: 12...34mm  
With gradual enlargement (de Laval nozzle)  
With sudden enlargement  
Throttle valve, diameter: 34mm  
Orifice with orifice disks, diameter: 12, 19, 25, 32mm.



**Laboratory Instrument India**