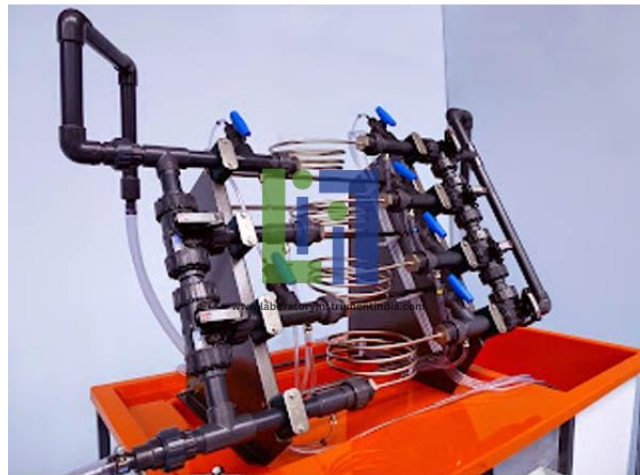




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**Product Name :**  
Network of Pipes Apparatus

**Product Code :**  
LBNY-0005-16000028



#### **Description :**

The manifolds incorporate pressure tapings which allow the pressure drop across each pipe element to be measured using the four 500-0-500 mm water differential manometer bank. The manifolds also incorporate valved discharge points which allow the network to be configured to represent various distribution systems including a ring main and a long distribution system. The apparatus consists of a network of four coiled pipe elements and a differential manometer bank. The four pipe elements are located between a pair of large bore four branch valved manifolds which allow a number of series, parallel and series/parallel network configurations to be achieved. The Network of Pipes Apparatus has been designed as an additional experiment for use with Hydraulics Bench, which provides the basic service module for the pumping and volumetric measurement of the water supply.

#### **Experimental Networks:**

- Single pipe
- Series parallel network with 3 or 4 elements
- Four pipes in series
- Four pipes in parallel
- Two pipes in series
- Two pipes in parallel
- A long distribution system with 1, 2, 3 or 4 discharge points
- A 3 pipe series network with a parallel bypass
- A distribution system with 2, 3, or 4 branches from a common manifold
- A ring main distribution system with 1, 2, 3 or 4 discharge points

#### **Technical Specification :**

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The network should be compact to allow it to be mounted on a water hydraulic service bench. Supplied complete with four 500-0-500 mm differential water manometers for pressure measurement.

The network should allow up to four pipe elements of various diameters between 6.4 mm and 13 mm nominal bore to be used.

An experimental pipe network providing the basis for experiments in the flow of water through series, parallel and series/parallel pipe configurations and to allow the investigation of the characteristics of various flow distribution models with up to four discharge points.

Dimensions And Weights:

Length: 172cm

Width: 95cm

Height: 102cm

Nett weight: 100kg.



**Laboratory Instrument India**