

HYD-011 **PIPE IN PARALLEL APPARATUS**



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To Calculate the friction losses through the pipes connected in Parallel.
2. To Calculate the friction losses through each individual pipe connected in parallel.

TECHNICAL DESCRIPTION :

The experimental unit consist of three different diameter pipes connected in parallel. a water sump tank with self-priming monoblock centrifugal pump. The flow of water can be controlled by a valve.. A measuring tank is provided for measurement of discharge of water through the Section. The frictional loss along the length of pipe is measured by using U tube Manometer.

This system is complete closed circuit type and easy to move due to wheels.

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DIMENSIONS AND WEIGHT :

Size :1.5 m.(L)x 0.7 m(W) X 1.2m (H)

Weight :Approx. 60 Kg

SERVICE REQUIRED :

Power Supply : 230v, AC ,Single Phase , 50HZ

Water : 80 ltr

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual

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