

Hydraulic Ram Test Rig



Product Categories: [Engineering Equipment](#), [Hydraulic Lab](#)

Product Page: <https://www.labappara.com/product/hydraulic-ram-test-rig/>

Product Description

Hydraulic Ram Test Rig

Hydraulic Ram is used for pumping small quantity of water at high head, when large quantity of water at small head is available. It operates on the principle that if flowing water is suddenly brought to rest in a long pipe, a phenomena known as water hammer occurs, wherein a pressure wave travels along the pipe. This principle is used in the Hydraulic Ram to pump water. The set-up consists of a box incorporating pulse and non-return valves and a supply reservoir on a stand which is fed by the overhead tank. An air vessel above the valve chamber smoothes cyclic fluctuations from the Ram delivery. Different pressure may be applied to the pulse valve to change the closing pressure and hence the operating characteristic.

Technical Specifications:

Ram (Max.)	:	Supply Head 1.0 m, Delivery Head 4 m
Water Circulation	:	1 HP Pump,
Sump Tank Steel)	:	Capacity 120 Ltrs. (approx.), (Stainless

Overhead Tank : Capacity 50 Ltrs. (approx.), (Stainless Steel)
Air Vessel : Suitable Capacity
Flow Measurement : Using Measuring Tank (30 ltrs. Approx.)
waste water and measuring
cylinder for useful water.