ENGINEERING LAB EQUIPMENTS	Email : sales@engineeringlabequipments.com

Product Name :	**Product Code :**
Water Treatment Studies Bench	ENGLABINGCAG11100015

Description :

Water Treatment Studies Bench

Technical Specification :

Water Treatment Studies Bench consists of a sturdy framework and panels of all steel construction, fitted with a student work surface, interconnecting back panel and adjustable feet. The studies bench comprises five interchangeable, clear filter columns, each of which can be filled with a sand filter or ion exchange medias. These are fitted with top and bottom quick release couplings.
Two of the columns may be used at any one time in a system of inter-connecting pipework and selection valves, set to allow the columns to be circulated with dosed or untreated water either independently, in parallel, in series or in reverse, and with a backwash connection from the service water line.
A panel with tubular supports is provided for storing filter columns not in use.
Dosed or untreated water is transferred from the sample tank to the filter system by a centrifugal feedwater pump at reduced pressure and a metered rate; treated filtered water is either collected in a portable 25 litre storage tank or passed to the Steam Boiler Bench, depending on the use of the unit.
A variable chemical dosage system, comprising a dosage pump and a chemical additive mixing vessel, is supplied to inject diluted additive at a controlled rate to either a portable 25 litre sample tank or the boiler feedwater tank on the Steam Boiler Bench.
Pressures at the inlet and outlet of either filter column are indicated on separate 0-2.5 bar Bourdon tube pressure gauges. Sample cocks are included in the system to enable water samples to be collected for analysis by test kits supplied with the unit.
A control box, suitable for either 110V or 240V a.c. supplies, provides separate ON-OFF switches and associated indicator lamps for each pump and a switch to select the pumps for either Water Treatment Studies

or Feed Water Service to the Steam Boiler Bench.

Engineering Lab Equipment India