



Email : sales@laboratoryinstrumentindia.com

Product Name :
Educational Cavitation Tunnel

Product Code :
LBNY-0005-1790001



Description :

The main data of the Cavitation Tunnel is as follows:

Pressure regulation from relatively high vacuum to above atmospheric pressure measured at the pressure regulation container 1 bar Approx

Cavitation number adjustable in wide range down to belows = 0.2

Total length including stiffening girder not including the length required for the impeller drive 20.4 m Approx.

Measuring section 850 mm x 850 mm

Length of measuring section 4000 mm

Contraction ratio of the nozzle 4.99:1 Approx.

Maximum velocity of the water in the measuring section 12 m/s

Total height from the floor at which the tunnel foundations are supported to the highest part of the cavitation tunnel, inclusive stiffening girders, not including additional height for the separate pressure regulation container and not including the height for setting in propeller dynamometers or other test equipment 12.9 m.

Technical Specification :

The measuring section is provided on all four sides with large removable Plexiglas windows. There are 12 windows altogether. The measuring section is provided with rectangular corners in order to facilitate mounting of dummy bodies. A casing for setting in wake simulation screens is arranged between nozzle and measuring section. The upper wall of the measuring section is made in form of a cover which can be taken off for mounting dummy bodies and test equipment. An empty frame which is arranged at the place where the wake simulation screens are set in is also supplied.



Laboratory Instrument India