



Description

Cavitation In A Venturi

Description:-

The causes and effects of cavitation are one of the most important subjects in any course on fluid mechanics. In severe cases, cavitation will damage machines and hydraulic systems. Cavitation in a Venturi Unit is a purpose-designed teaching unit which enables efficient and effective investigations into the causes and effects of cavitation. Designers and engineers must be aware of cavitation when they create a new design or installation. It also allows students to understand the Venturi by studying upstream and throat pressures. The Cavitation in a Venturi Unit offers a clear and easy-to-understand display of cavitation. They gain practical experience of using the continuity equation and Bernoulli's equation. They use these to calculate flow and pressure, different methods of creating cavitation and causes of error. Students create clearly visible cavitation in a Venturi and take measurements of flow and pressure. Students use theory and practical experiments to learn how to predict the onset of cavitation. The apparatus is a self-contained, mobile unit. The frame includes a handy worktop for student paperwork. It consists of a robust frame which holds a water tank, an electric pump, a flow-control valve, a flow meter and a Venturi.

Martinfield, Welwyn Garden City ,
United Kingdom

Direct Contact Details 
sales@didacscientific.co.uk
 www.didacscientific.co.uk/