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Product Name :
Cavitation In Pumps Kit

Product Code :
ENGLABINGCAG6000031



Description :

Cavitation In Pumps Kit

Technical Specification :

"Cavitation can play a major role in the vibration of pumps during operation.

The pump and tank are interconnected by hoses.

Valves and manometers in the delivery and intake lines allow various operating conditions to be set.

The transparent plastic pump housing provides a view into the interior of the pump during operation.

With the accessory set, cavitation can be experimentally induced and its influence on the vibration spectrum investigated.

The principal elements of the accessory set are a single-stage centrifugal pump and a storage tank. This enables the formation of cavitation bubbles to be observed.

Specifications:

Flow control valves permit the inception of cavitation

Manometers on intake and delivery side

Transparent housing

Stackable box for storing all components

Investigation of the conditions for cavitation in pumps

Single-stage centrifugal pump

Pump driven via coupling or with belt drive

Accessory set for machinery diagnostic training system.

Technical Data:

Centrifugal pump:

Max. Flow rate at 3300min⁻¹: 17L/min

Max. Head at 3300min⁻¹: 12m

Impeller with 3 blades

Min. speed for cavitation: approx. 2240min⁻¹ (with Restriction on intake side)

Manometer

Delivery side: 0...4bar

Intake side: -1...1,5bar

Tank

Material: HDPE

Capacity: 20L

Dimensions and Weight of Cavitation in Pumps Kit

LxWxH: 600x400x310mm (box)

Weight: approx. 16kg."



Engineering Lab Equipment India