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Product Name :
Cavitation In Pumps Kit

Product Code :
LBNY-0005-10100032



Description :

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.

Technical Specification :

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.



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