

Product Name :
Cavitation Demonstration Apparatus

Product Code :
ENGLABINGCAG300004



Description :

Cavitation Demonstration Apparatus

Technical Specification :

FEATURES:

Circular Venturi-shaped test section manufactured from clear acrylic for full visualization of cavitation
Observation of the phenomenon of cavitation in a liquid (by reducing the liquid to its vapour pressure)
Observation of air-release due to dissolved gases in a liquid
Demonstration of reducing cavitation by increasing the static pressure in a liquid
Three Bourdon gauges indicate the static pressure upstream of the contraction, inside the throat and downstream of the expansion in the test section
Comparison of theoretical and actual pressure at cavitation conditions
Flow-control valves upstream and downstream of the test section enable flow conditions to be optimized for the demonstration of cavitation
Quick-release fitting for easy connection to Hydraulics Bench
Educational software available as an option
The pump includes electrical protection and the water tank includes a splash cover to prevent water spillage.

SPECIFICATION:

Upstream pressure gauge:
Diameter: 63mm
Range: 0 to 1 bar

Throat vacuum gauge:

Diameter: 100mm

Range: -1 to 0 bar

Downstream pressure gauge:

Diameter: 63mm

Range: 0 to -1 bar



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