

Description

Bernoulli's Theorem

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A bench top Venturi tube that allows students to study Bernoulli's theorem by measuring the complete static head distribution along the horizontal tube. The benches measure flow rate, so students can find the Venturi meter coefficients over a range of flow conditions. The apparatus includes a horizontal Venturi tube, a downstream flow-control valve and manometer tubes. The manometer panel has a scale behind the manometer tubes for direct reading of the water levels in the tubes. A manometer panel holds the manometer tubes vertically. A common manifold above the tubes has an air pressure-control valve. The base has adjustable feet. Plastic materials and corrosion-resistant finishes throughout the equipment protect against corrosion. Water enters the Venturi meter and its flow-control valve sets the flow rate. This valve is downstream, so it does not cause any upstream turbulence.

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