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**Product Name :**  
Steam Nozzle Performance Apparatus with Compressor

**Product Code :**  
SCHOOL-THM830025



**Description :**

Steam Nozzle Performance Apparatus with Compressor

**Technical Specification :**

**FEATURES:**

Visual demonstration of nozzle choking.

Determination of the effect of inlet and back pressure on mass flow rate through nozzles.

Calculation of nozzle efficiencies.

Determination of jet reaction and specific thrust at a range of inlet and backpressures.

Comparison of mass flow rate with theoretical values.

Measurement of the velocity of a jet issuing from a nozzle operating at a variety of inlet and pressure.

**SPECIFICATION:**

A series of convergent and convergent-divergent nozzles may be installed in one of two locations in a high pressure-measuring chamber.

Standard unit includes convergent – divergent ducts designed to produce at the throat and supersonic

velocities downstream.

A pressure regulator, throttle valve and backpressure valve allow the airflow rate, inlet and discharge (or back) pressure to be varied.

Inlet and outlet air pressures, temperatures and airflow rate are recorded by a combination of instrumentation on the Compressible Flow

230V, 50Hz, 1 phase

230V, 60Hz, 1 phase

120V, 60Hz, 1 phase

**NAUGRA<sup>®</sup>**

**School Educational Instruments**

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