

Product Name :
Steam Nozzle Performance Apparatus with Compressor

Product Code :
ENGLABINGCAG340025



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



Engineering Lab Equipment India