

Product Name :
Nozzles, Fans and Compressors

Product Code :
Aerodynamics-0007



Description :

Nozzles, Fans and Compressors

Technical Specification :

An air compressor and receiver for use with the Nozzle Flow Apparatus. The unit allows the students to study the performance on a nozzle as either a kinetic energy or thrust producer and also enables to study the effect of inlet and outlet pressure ratio on the mass flow and pressure distribution in nozzle. Compressed air is supplied to the unit from laboratory source. Convergent and convergent divergent nozzles are available that can be changed rapidly. These nozzles are designed to operate at different theoretical expansion ratios. Each nozzle is equipped with axial pressure tapings that can be connected to the 8 panel mounted pressure gauges. The unit Nozzle Performance is fully instrumented to measure pressure, mass flow, temperature, thrust and impact force. The operating conditions can be quickly varied to produce results over a wide range of pressure ratios.

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