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Product Name :
Vortex Cooling Device

Product Code :
LBNY-0005-11700047



Description :

The experimental unit generates cold and hot air with the aid of ordinary compressed air. A vortex cooling device does not have any moving parts, is maintenance-free and immediately ready for operation. The vortex cooling device is used for the convective cooling of high-speed tools, the air conditioning of protection suits and the cooling of switch cabinets. The central element of the experimental unit is a vortex cooling device also known as a vortex tube. In the vortex tube the tangentially incoming compressed air is moved in rapid rotation. It is particularly suited for use in explosive environments. One benefit here is that the vortex cooling device does not require an electric power supply. This creates a cold and hot air flow in the vortex tube which leaves the vortex tube at opposite ends.

Technical Specification :

Experimental unit with clear design of all components at the front
Simple design, no moving components, wear-free
Functional model for cold air generation using a vortex cooling device (vortex tube) with the aid of compressed air
Digital displays for inlet temperature and outlet temperature of cold and hot air
Measuring of the compressed air inlet pressure by manometer
Flow rate measurement of compressed air and exhaust hot air by rotameters.

Laboratory Instrument India

