

ANALYSIS AND DESIGN OF HOT END PIPE RECTIFIER OF THE VORTEX TUBE

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ABSTRACT

The original solution for hot end pipe rectifier takes into account the experimental results of V.I.Metenin, S.A.Piralishvili, A.V.Moraskinim, V.A.Visocinim. The rectifier control valve equipped with articulated ball execute an oscillation movement. This causes a pulsating radial motion maintenance and even an increase in its kinetic energy for hot mass fraction. Extensive studies have been carried out on hot end pipe rectifier of vortex tubes for developing the vortex tube technology.

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