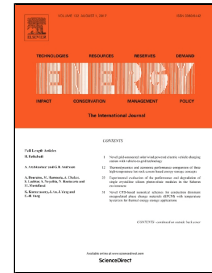


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Flow rate analysis of compressible superheated steam through pressure reducing valves

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1 **Title**

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17 **Abstract**18 Steam flow is the main form for energy transfer in power plants, process industries, etc. The
19 flow rate of the steam relates to the energy transfer amount directly. Pressure reducing valves are
20 used for flow rate control of the compressible superheated steam in these piping systems. In this
21 paper, a pressure reducing valve with a novel valve core is proposed. In order to analyze the

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