
Vortex gas pressure regulator

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The article reveals the relevance and application of vortex regulators. Based on a review of literature and patent survey reviewed the status of the issue to date on the use and development of the vortex regulators schemes of vortex regulators, the estimated calculation of the parameters of the vortex control for a given speed and feed controls the flow of a given size and the vortex chamber. A mathematical model for calculating the vortex controller that describes the processes of flow of operating environments on the basis of which will be further developed a method for calculating the distribution of the parameters and the numerical calculation of the vortex chamber with the help of CFD-codes.

Keywords: vortex regulator, control jet, gas flow rate.

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