

Development of a Mechanism for Mixing Two Different Gases at Constant Proportion for Variable flow Rates

Hossain A., Uttam K.C, Shahriar N., Ehsan Md
Bangladesh University of Engineering and Technology

Abstract: In this study we developed a mathematical model using MathCAD 8.0 to optimise dimensions of a mechanism (carburetor). Depending upon the dimensions that we got from mathematical model a carburetor has been made. This carburetor has been made to supply mixing gases for IC engines at a constant flow rate which can not be maintained from biogas plant. In the experiment results have been validated with the data used in the mathematical model by using two different gases. The results show a great opportunity of making biogas synthetically to use for IC engines at laboratory at constant flow.

For full text contact: ahossain@swin.edu.au