

AQUA SILENCER

Ashish Kale

Student, BE Mechanical Engg, ICEM, Pune

ashishchandukale@gmail.com

Shubham Jadhav

Student, BE Mechanical Engg, ICEM, Pune

shubhujadhav29@gmail.com

Swapnil Kalbhor

Student, BE Mechanical Engg, ICEM, Pune

skswapnilkalbhor@gmail.com

Taksha Sarmukadam

Student, BE Mechanical Engg, ICEM, Pune

takshasarmukadam@gmail.com

Ashwin Dharme

Asst. Prof., Mechanical Engg, ICEM, Pune.

ashwin.dharme@gmail.com

ABSTRACT

The idea is to create an alternate solution for a traditional catalytic converter to improve the filtration rates of exhaust gases coming out of the vehicle. Basically the design of aqua silencer is to control the pollution as well as the noise of a two or four stroke engine respectively. The aqua silencer is connected to the exhaust pipe of the engine. The major pollutants in the exhaust gases are unburnt hydrocarbons, nitrogen oxides etc. which are converted into nitrogen dioxide, carbon dioxide and sulphur dioxide.

INDEX: aqua silencer, emission control, muffler, aerodynamic.