



Back pressure  
control

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The pressure drop (back pressure) over the exhaust system has enormous influence on how an engine works. An excessively high pressure drop will cause the power output of the engine to decrease, and wear & tear to increase.

Pressure drops are caused by the necessity to lead exhaust gas out of a vessel via piping, silencers, water-injectors and water lift-separators. All components in an exhaust system therefore undergo at least some backpressure. Custom-made exhaust systems require an accurate prediction of the degree of pressure drop.

One of the components for which it is most difficult to make accurate predictions is the underwater outlet. MarQuip includes scoop design in our scope, ensuring that the back-pressure values we give are met.

