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Back pressure control

The MarQuip logo is displayed in white on a dark blue background. It features the brand name in a serif font, with three stylized, wavy lines above the 'Q' in 'Quip'.

EXCLUSIVE EXHAUSTS, EXPERTLY ENGINEERED

BACK PRESSURE CONTROL

The pressure drop over the exhaust system (or backpressure as it is frequently called) has enormous influence on the workings of an engine. An excessively high pressure drop will cause the power output of the engine to decrease, and wear & tear to increase.

The pressure drop is caused by the necessity to lead exhaust gas out of the vessel through piping, silencers, water-injectors, water lift-separators etc. As a result, all components in an exhaust system undergo at least some pressure drop. 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.

