

## Forklift Carburetors

Combining the air and fuel together in an internal combustion engine is the carburetor. The equipment consists of a barrel or an open pipe called a "Penguin" in which air passes into the inlet manifold of the engine. The pipe narrows in part and afterward widens over again. This particular system is called a "Venturi," it causes the airflow to increase speed in the narrowest section. Underneath the Venturi is a butterfly valve, which is otherwise referred to as the throttle valve. It operates so as to control the flow of air through the carburetor throat and controls the quantity of air/fuel combination the system will deliver, which in turn controls both engine speed and power. The throttle valve is a revolving disc that can be turned end-on to the flow of air in order to hardly restrict the flow or rotated so that it could absolutely stop the air flow.

This throttle is usually attached by way of a mechanical linkage of joints and rods and every so often even by pneumatic link to the accelerator pedal on an automobile or equivalent control on other kinds of equipment. Small holes are situated at the narrowest part of the Venturi and at other areas where the pressure will be lessened when not running on full throttle. It is through these openings where fuel is introduced into the air stream. Correctly calibrated orifices, known as jets, in the fuel channel are accountable for adjusting the flow of fuel.