

## Carburetor for Forklift

Carburetor for Forklift - Mixing the air and fuel together in an internal combustion engine is the carburetor. The machine has a barrel or an open pipe referred to as a "Penguin" through which air passes into the inlet manifold of the engine. The pipe narrows in part and afterward widens all over again. This particular system is known as a "Venturi," it causes the airflow to increase speed in the narrowest section. Below the Venturi is a butterfly valve, that is likewise known as the throttle valve. It functions to be able to control the air flow through the carburetor throat and controls the amount of air/fuel combination the system will deliver, which in turn regulates both engine speed and power. The throttle valve is a rotating disc which could be turned end-on to the flow of air so as to barely restrict the flow or rotated so that it could totally stop the air flow.

Normally attached to the throttle by way of a mechanical linkage of joints and rods (occasionally a pneumatic link) to the accelerator pedal on a vehicle or piece of material handling machine. There are small holes situated on the narrow section of the Venturi and at several areas where the pressure will be lessened when running full throttle. It is through these holes where fuel is introduced into the air stream. Specifically calibrated orifices, called jets, in the fuel channel are responsible for adjusting fuel flow.