

## Carburetors for Forklifts

Carburetor for Forklift - A carburetor mixes fuel and air together for an internal combustion engine. The machine has an open pipe called a "Penguin" or barrel, wherein the air passes into the inlet manifold of the engine. The pipe narrows in part and after that widens again. This particular system is known as a "Venturi," it causes the airflow to increase speed in the narrowest part. Below the Venturi is a butterfly valve, which is also referred to as the throttle valve. It functions in order to control the flow of air through the carburetor throat and controls the amount of air/fuel combination the system would deliver, which in turn regulates both engine power and speed. The throttle valve is a revolving disc that can be turned end-on to the flow of air to be able to hardly restrict the flow or rotated so that it could completely block the air flow.

Normally attached to the throttle by way of a mechanical linkage of joints and rods (sometimes a pneumatic link) to the accelerator pedal on an automobile or piece of material handling equipment. There are small holes situated on the narrow part of the Venturi and at various parts where the pressure will be lowered when running full throttle. It is through these openings where fuel is introduced into the air stream. Exactly calibrated orifices, known as jets, in the fuel path are responsible for adjusting fuel flow.