



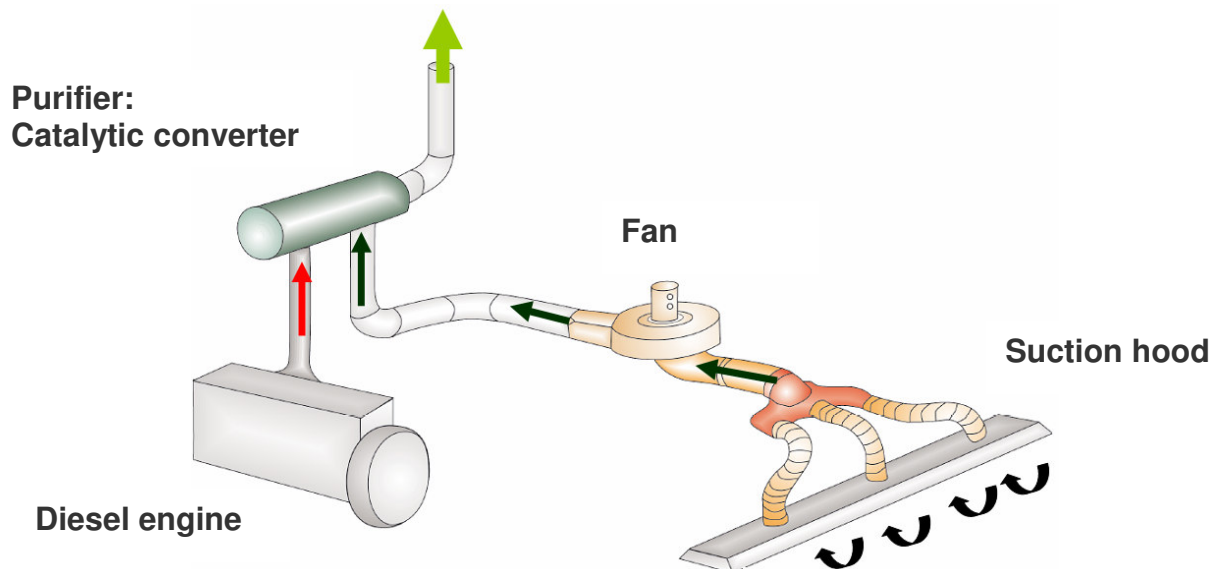
**Asphalt Fume Control System
AFC 2000**

AFC 2000 Asphalt Fume Control System

During the laying process of hot asphalt mix, the operators working behind the screed and on the machine are exposed to asphalt fumes. The AFC 2000 system improves the working conditions with regards to asphalt fumes as well as purifies both the asphalt fumes and the diesel engine exhaust gases to protect the environment. The system is built on components that can be ordered as a complete installation kit.

Function:

A suction device conveys the fumes above the auger to the purifier, a catalytic converter. The diesel engine exhaust gases are also led to the purifier. The purified asphalt fumes and the purified engine exhaust gases are released into the air above the operators.



Measurements have been made with regards to asphalt fumes on an asphalt paving machine. The results showed that the bitumen content, measures as oil mist, at the operators position on the paving machine was well below the Swedish hygienic limit of 1,0 mg/m³.

The purifier/catalytic converter, reduces the hydrocarbon levels (HC) in the asphalt fumes. In addition, the purifier reduces hydrocarbon (HC), carbon monoxide, (CO) and particle matter in the engine exhaust gases.

AFC 2000 benefits:

- improving the working conditions.
- protecting the environment.
- enables work in sensitive areas like in tunnels, indoors or in residential areas.
- is easy to mount.
- is easy to service.
- added value through:
 - advantage in bidding processes.