

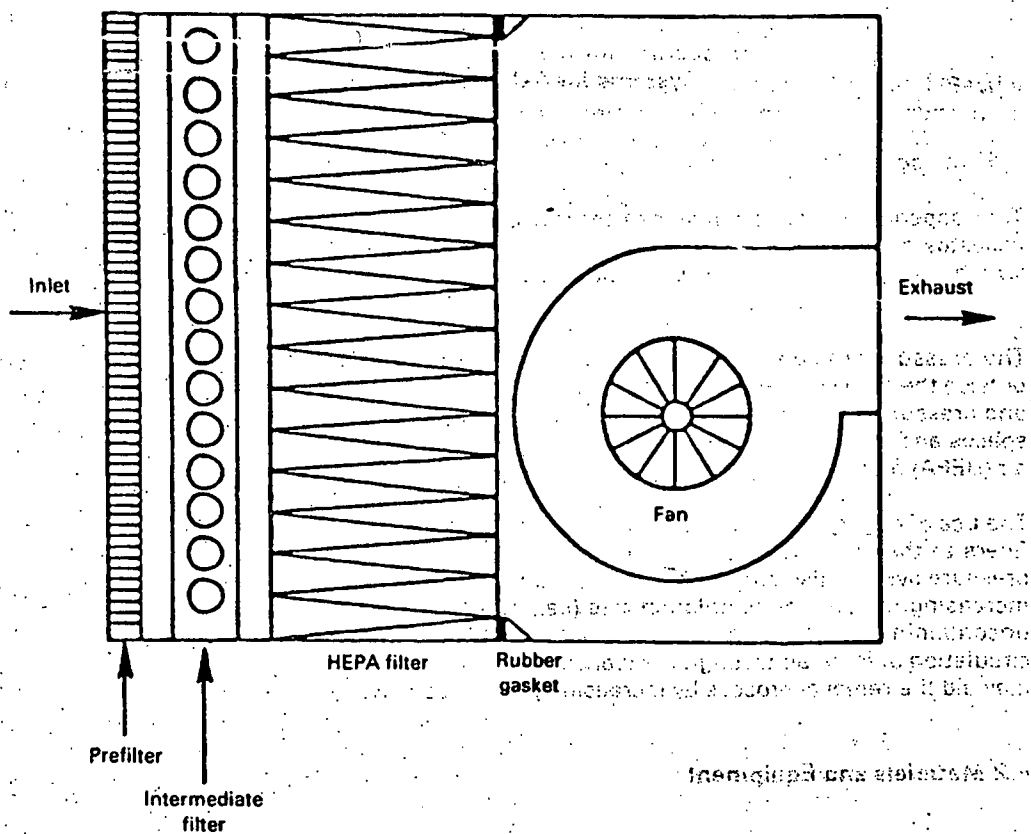


Figure F-1. Sketch of HEPA-filtered exhaust unit.

to replace. The unit should be mounted on casters or wheels so it can be easily moved. It also should be accessible for easy cleaning.

#### F.2.1.2 Mechanical Specifications

##### F.2.1.2.1 Fans

The fan for each unit should be sized to draw a desired air flow through the filters in the unit at a specified static pressure drop. The unit should have an air-handling capacity of 1,000 to 2,000 ft<sup>3</sup>/min (under "clean" filter conditions). The fan should be of the centrifugal type.

For large-scale abatement projects, where the use of a larger capacity, specially designed exhaust system may be more practical than several smaller units, the fan should be appropriately sized according to the proper load capacity established for the application, i.e.,

$$\text{Total ft}^3/\text{min (load)} = \frac{\text{Volume of air in ft}^3 \times \text{air changes/hour}}{60 \text{ min/hour}}$$