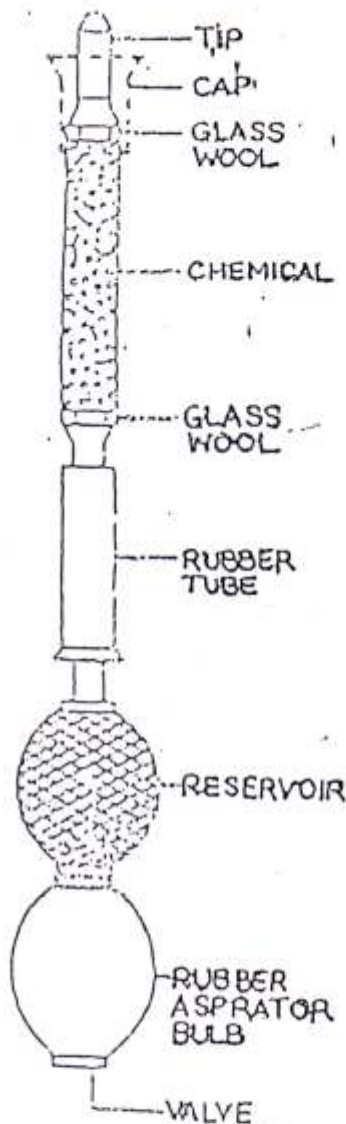




## SMOKE GENERATOR FOR LOW VELOCITY



Smoke Generator consists of Glass tube containing granulated pumic stone saturated with anhydrous tin or titanium tetrachloride. Glass tube is fitted with a rubber aspirator bulb thro' rubber tube at one end & the other end is in the form of a tip covered by a rubber cap.

When the smoke generator is to be used, the tip of glass tube is broken off. Now bulb is squeezed, Air charged with tetrachloride vapour issues from the tip immediately forming a white vapour. The cloud consists of fine particles which are suspended in the atmosphere longer than ordinary dust & are readily carried along by the air current. When the apparatus is not in use the tip is covered by the rubber cap.

Precaution : It is advisable that before using the smoke generator, upper opening and lower opening of the glass tube is cleaned by any pin or hard wire. This is essential because, when the apparatus is not in use, the chemical vapours chokes the tube stem.

### Applications :

- For determining low velocity below the range of an ordinary Anemometer (below 1 meter per second).
- For locating small leakage currents.
- For testing air tightness of seal or stopping.



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