

**(c) Fabric Filters.** Here, the gas with the dust is allowed to pass through a fabric (cloth) to which the dust gets attached. If the gas is flowing at low velocity and contains a considerable amount of larger particulates, these settle down by sedimentation. Finer particles are also attached to the fabric due to electrostatic charges.

Fig 3.4 shows a bag filter. These bags are fitted with hopper at bottom. The gas enters from the bottom through the hopper. The heavy particles settle down in the hopper due to gravity. Finer particles are deposited on the fabric of the bag. For clearing the bags, compressed air is blown in the reverse direction.

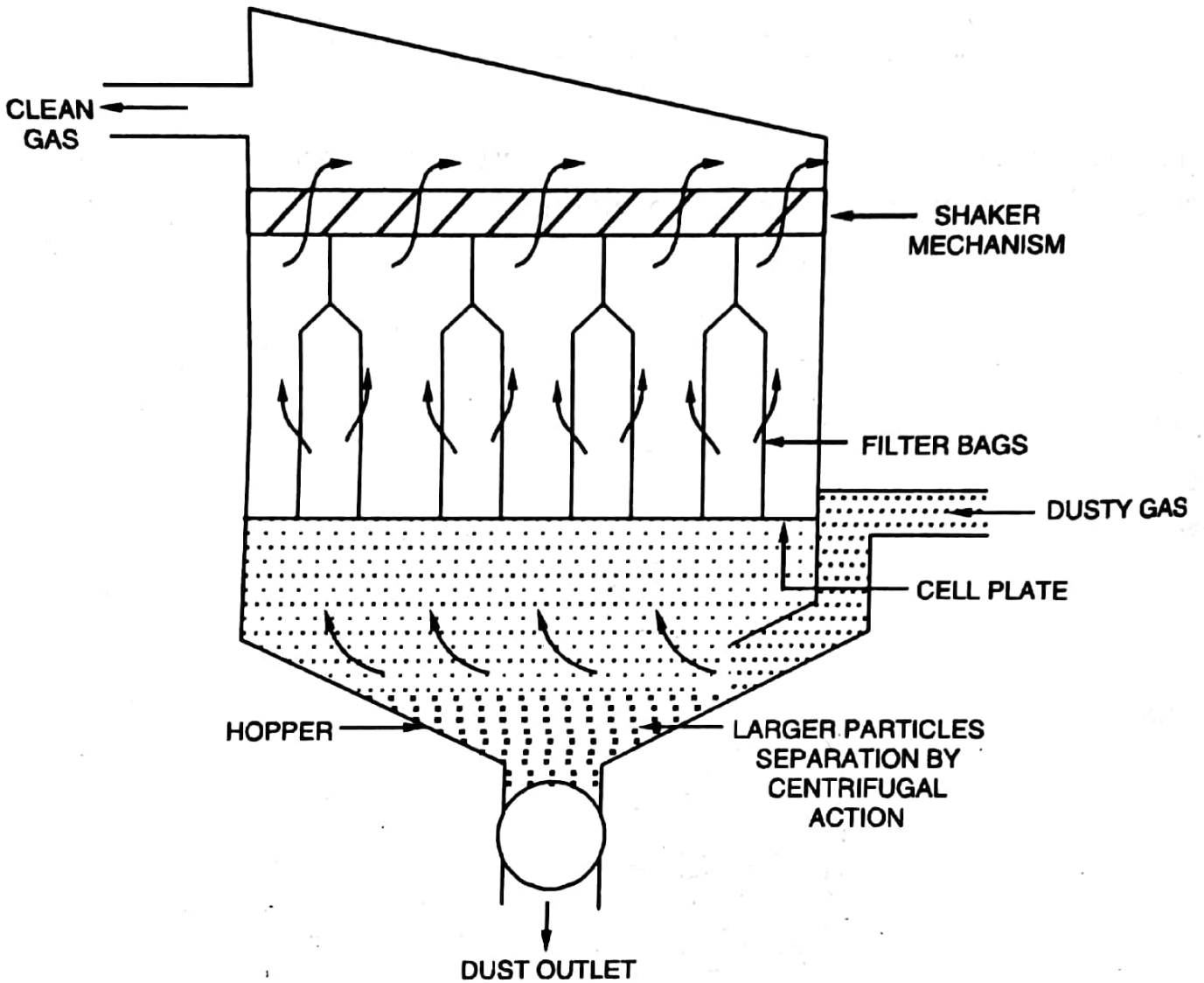


Fig. 3.4. Bag House (Fabric Filter).