



DUST COMPACTOR

Most of the filter manufacturers provide dust bags to collect dust generated on the secondary side of the filter plant. The air accompanying the dust escapes through the bags leaving the dust on the bottom of the filtered bags and this dust is required to be removed manually from time to time. The bags also have to be removed once a week for thorough cleaning. This sometimes leads to tearing of bags which then need to be replaced. During the dust removal, a lot of dust is spread over in the room, making the room very untidy and posing a health hazard for the workers cleaning the filter installation. Clogging of bags leads to a back draft and the suction pressure at the nozzles drops down which clogs the secondary filter media.

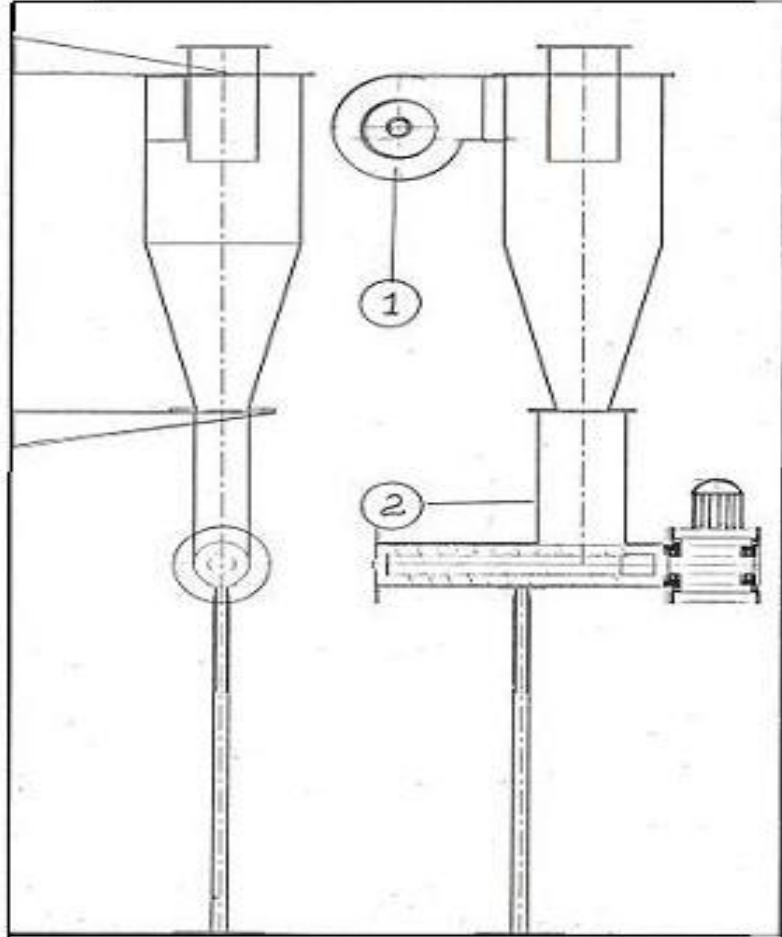


To overcome this problem, we have developed a dust compactor which is fitted at the end of the cyclone. The air from the cyclone is diverted back into the secondary filter and the dust collected from the bottom of the cyclone is passed through the dust compactor which compacts the dust in ball forms which are collected in a drum placed under the dust compactor.

The dust compactor works on a continuous basis without need to stop the plant. No bags are used thus eliminating the cleaning and changing of bags in earlier system. This increases the productivity of the plant for which the filter system is provided.



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1. Dust Suction Fan – 5 H.P.
2. Dust Compactor – 0.5 H.P



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