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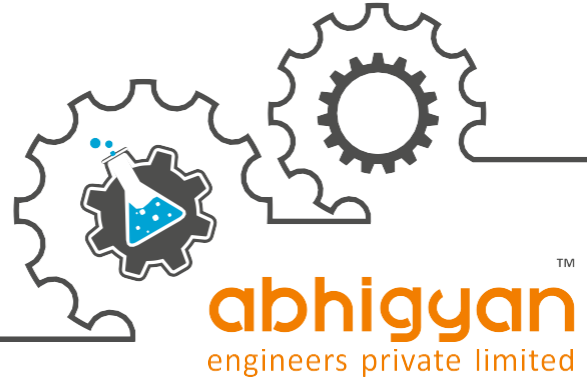
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## SAILENT FITURES OF OUR AUTOMATIC VERTICAL TOWER FILTER (AVTF)

Our mission always has remained focused on to deliver energy efficient equipment targeting “0” maintenance and hassle free performance.

Our equipment has prominent features as follows which make them unique in performance:-

- 1) There is an excellent chance that the filtration process on your production plant can be made more successful and that in turn, will give your overall production process a competitive advantage.
- 2) At Abhigyan, we design and manufacture filters equipment for unique dewatering challenges across a wide range of chemical manufacturing and allied industries.
- 3) Our latest offering for solid-liquid separation is Automatic Vertical Tower Filter (AVTF)
- 4) AVTF is a fully automated labor-free pressure-driven filtration system is applied to Process and waste slurries for filtering, clarifying, filter cake washing and extraction and, dewatering. It can dewater all types of slurries or suspension mixtures (toxic, Corrosive, abrasive, and flammable) containing particles of different sizes in large Volumes and varying process conditions within a single unit.
- 5) The equipment uses a hydraulic system to keep the plate pack assembly (filtration Chambers), stacked one above the other, closed during the entire filtration cycle, and open them before filter cake discharge. It employs a membrane for increased moisture removal and mechanical compression & stabilization of filter cake. It also Uses compressed air for maximum reduction of adhering moisture from the filter cake. This combination makes it ideal equipment to filter even difficult & slow filtering Materials.
- 6) It consumes less utility, requires less labor, removes more moisture, and reduces filtrate treatment costs, making it an affordable, profitable, and sustainable alternative to conventionally used filtration systems for chemical manufacturing and allied industries.
- 7) Our AVTF equipment saves much on floor space requirements. Being Vertical Tower type, requires less floor area as compared to other conventional horizontal filter press.