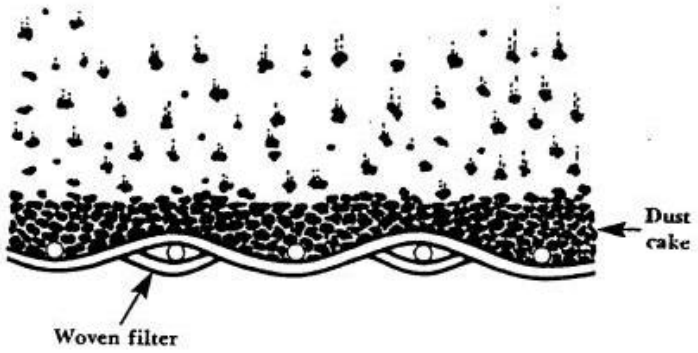
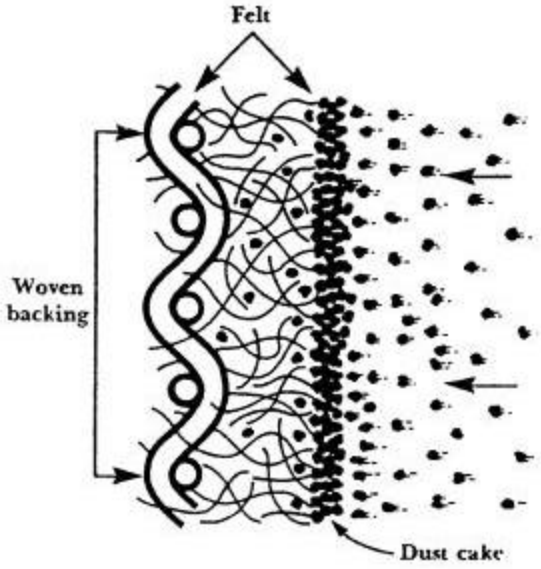
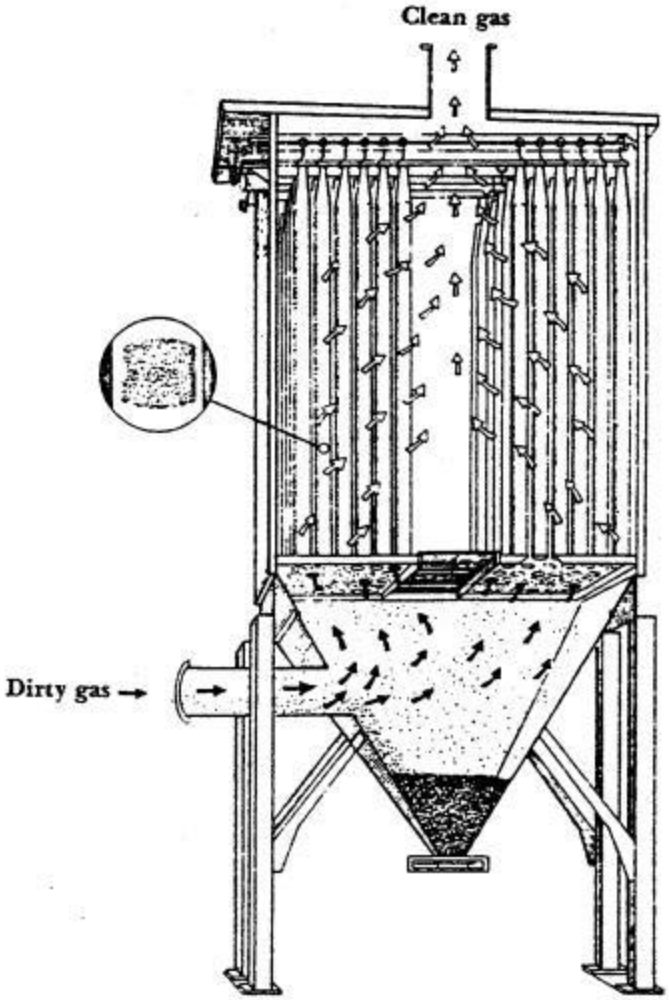
Fabric Filters



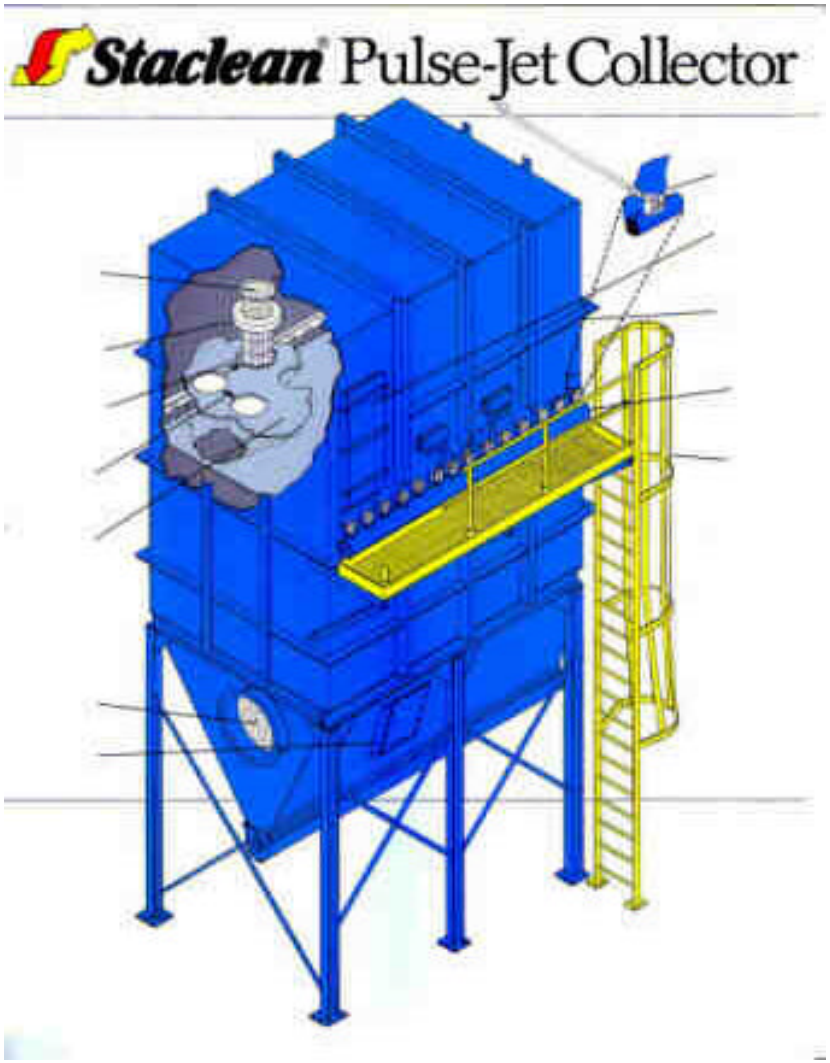
Filtration by a woven fabric. The dust deposit forms on the surface of the fabric. The fabric itself has low efficiency. The dust deposit that forms on the surface of the fabric provides high efficiency. Woven fabrics are generally used in inside collectors cheaned by reverse gas or by shaking the bags.



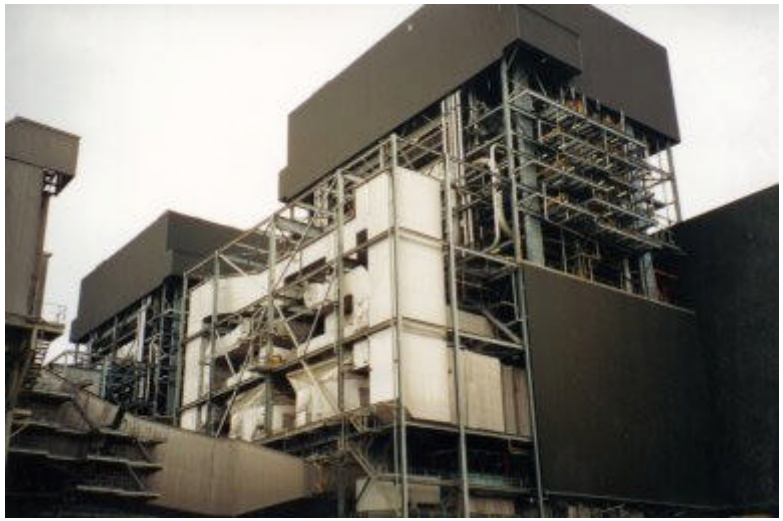
Filtration by a felt fabric. The surface of the felt supports the dust cake, but some particles penetrate into the felt. Felts are generally used in pulse-jet cleaned filters.



Drawing of a fabric filter that is an “inside collector” using woven fabric.



Drawing of a pulse-jet cleaned fabric filter that uses felt bags.



Large, industrial baghouse

(Left) A paper cartridge can also be cleaned by the pulse-jet principle.
(Right) The venturi at the top of the filter bag can have various designs.

Baghouse in indusry

Fabric filters are often made up of several modules operated in parallel.