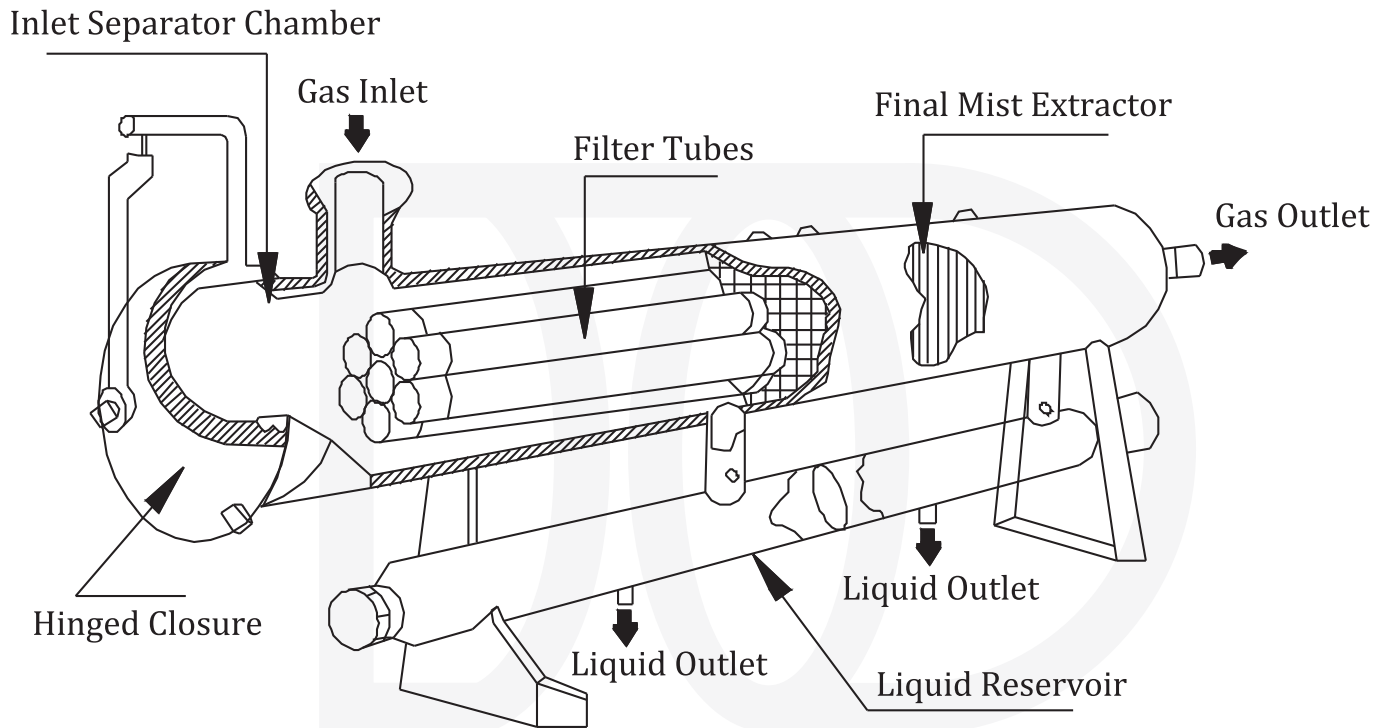


## Filter Separator

Filter separators are equipments commonly used in high gas/ low liquid services. They are designed to remove small liquid droplets and solid particles from the gas stream and are constructed in both horizontal and vertical configuration.

A horizontal two barrel filter separator is shown at following figure:



Filter elements as the initial separation section cause coalescence of any liquid mist into larger droplets as the gas passes the elements. A secondary section which includes wired mesh or vane package, removes larger droplets from gas stream. Operating pressure, operating temperature, and gas flow rate are important factors in sizing of filter separators.

Range of capacity: from 5000 SCMH to 1,000,000 SCMH

Range of size: from 3 inch to 20 inch

ANSI rating class: 150, 300, 600 lb

