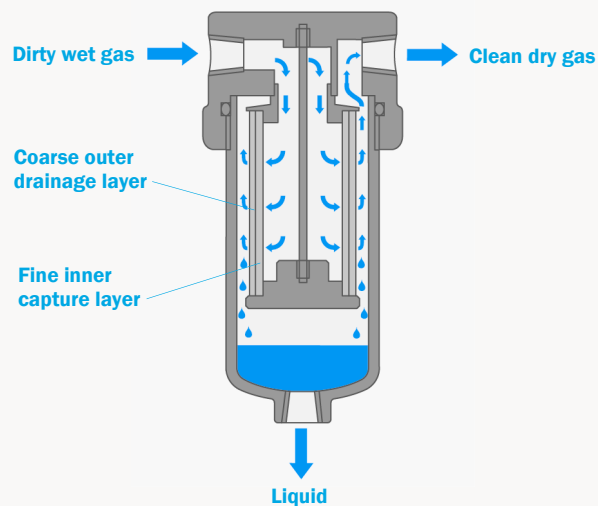


# Coalescing and Particulate Filtration

## Coalescing Filtration

Coalescing is the separation of liquid aerosols and droplets from a gas. Using a coalescing filter element installed in a housing with three ports the wet gas sample passes through element inside to outside. The inner capture layer is a high efficiency coalescing layer and the outer is a coarser drainage layer.

The fine fibres of the inner layer capture the fine liquid aerosols and droplets and they run together along the fibres to form large drops within the depth of the element. These large drops are then forced to the outside of the filter element and then drain to the bowl of the housing by gravity. Coalescing filter elements will also remove particulates at the same efficiency as particulate type elements of the same grade.



## Particulate Filtration

Particulates are removed from gases and liquids using a two port in-line filter housing and particulate type filter element. The liquid or gas flows through the element from the outside to inside to maximise the service life. Support cores should be used with a disposable filter element in a liquid application.

