

Remove Liquids from GAS

Coalescing Filter

Classic
FILTERS



FLOWTEKNIK
SCANDINAVIA APS

The logo for Flowteknik Scandinavia APS, featuring the letters 'F' and 'G' in a stylized, interlocking blue font.

Remove Liquids from GAS - Coalescing Filter

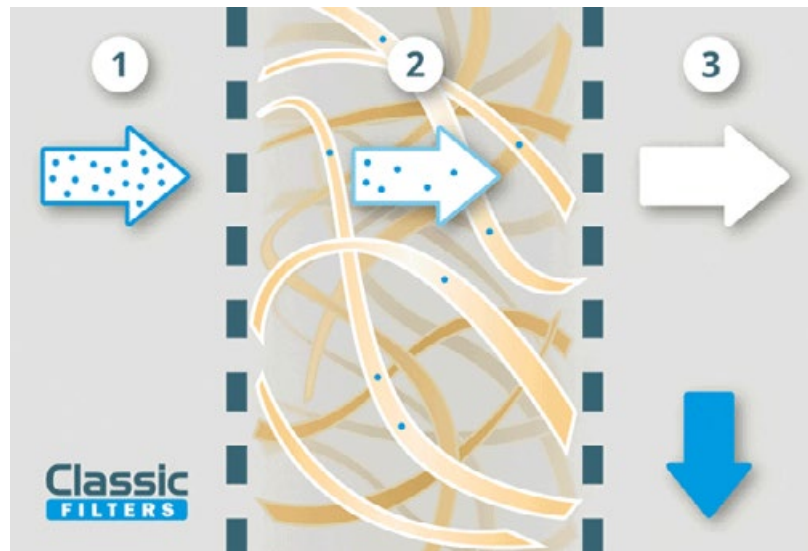


<https://www.classicfilters.com/blog/need-a-2nd-outlet-port-on-cng-filter-housings-no-problem/>

BY DAVID JANES

Remove Liquids from GAS - How does the coalescing filter work?

How does the coalescing filter work?



1. Liquid aerosols and droplets in the gas stream enter the coalescing filter. The high efficiency filter element uses borosilicate glass microfibres to capture the aerosols and droplets.
2. As the liquid aerosols pass through the the filter element they flow along the fibres they coalesce together and grow in size.
3. When the large droplets break through the outside of the filter element they run down the side by gravity and collect in the bowl of the filter housing for draining. From here the clean and dry gas passes to the outlet of the filter housing.

What else does a coalescing filter remove?

A coalescing filter will also make use of the high efficiency microfibres to capture and remove solid particulates – making them dual function filters. Our blog has an article with more information about [particulate and coalescing filters](#).

Inside a coalescing filter housing

The filter housing will have three ports, inlet, outlet and drain. The gas will flow through the inlet port to the middle of the coalescer filter element. The clean and dry gas will then flow to the outlet port

The liquid collected as the gas passes though the filter element will flow down to the bowl of the filter housing and can be removed from the drain port.

Some filter housings will have a manual drain valve, or the drain port can be connected to a continuous drain.





FLOWTEKNIK
SCANDINAVIA APS

Metalgangen 13
DK-2690 Karlslunde
Denmark
Phone (+45) 73 84 12 30
info@pgflowteknik.dk
www.pgflowteknik.dk