

COALESCERS

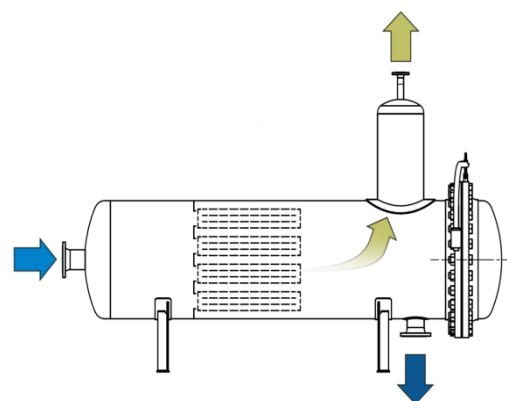
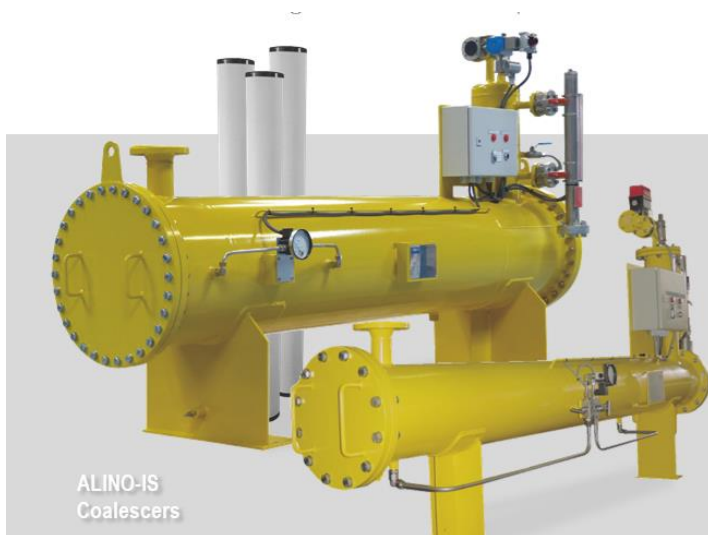
Hydrocarbons from water

If oils or other hydrocarbons form a finely distributed emulsion with water, a separation based purely on gravity might not be practicable or only after a long residence time. Coalescers use the principle of coalescence in which finely distributed droplets are combined to form larger droplets that can then be separated.

Coalescence separator for hydrocarbons with ALINO-IS coalescence cartridges

Coalescence separators offer a continuously reliable and low-maintenance separation of oil from oil-water mixtures while maintaining high efficiency.

Our phase separators are specifically adapted to your process with ALINO-IS coalescing cartridges to ensure optimum separation results.



After the oil-water mixture has flowed through the coalescence elements, two phases are formed. Oils or other hydrocarbons rise and collect in a separation chamber.

From there, the oil can be drained to be reused or disposed of.

Coalescence separators are only functional if the process stream contains only small amounts of emulsifiers.

Our coalescence separators are individually designed and fulfil and often exceed the requirements acc. to DIN EN 858, class 1. Depending on the requirements, the separation efficiency achieved is normally higher than required by DIN EN 858.

ALINO-IS Coalescing & Separator cartridges

When passing through the coalescing element, hydrocarbons collide with special fibres on which they combine to form larger droplets. An emulsion can thus be broken up. The droplets enlarged by the coalescence inserts are then normally separated by utilising the density difference.

Optionally, the coalescence insert can be manufactured with an integrated filter. This makes it possible to remove small impurities from the process stream without impacting performance.

Coalescence inserts are specially selected in their properties to suit your specific separation task.



If you have any questions please do not hesitate to contact us. You can find us on the Internet at www.ALINO-IS.de.

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Certified according to
DIN EN ISO 9001