

COALESCERS

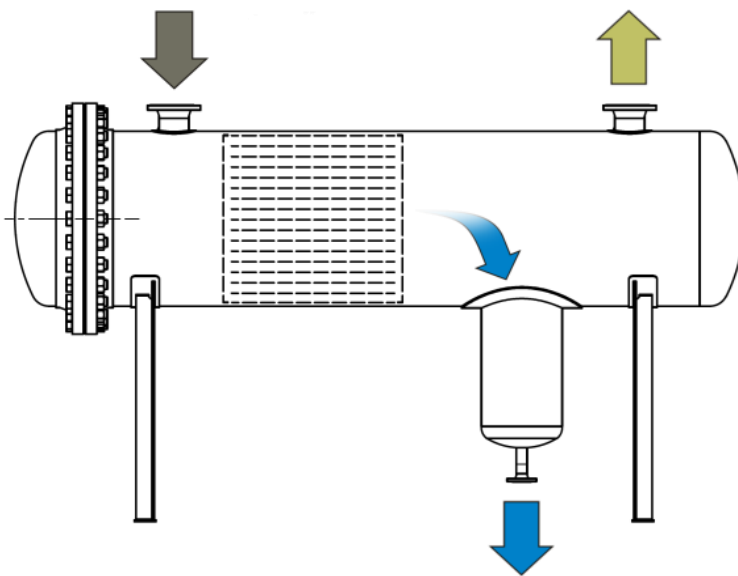
Separation of Water from hydrocarbons

If water forms a finely distributed emulsion in oil or hydrocarbons, 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.

Water separator 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.



After the oil-water mixture has flowed through the inserts (repacks), two phases are formed. The water sinks and accumulates at the bottom of the apparatus in a drainable separation chamber.

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

Repack elements and separator cartridges

Repack or separator elements are used to separate water from hydrocarbons. The repack insert offers a large hydrophilic inner surface to which small water droplets adhere as they flow through the special winding of the repack. These fine water droplets then combine to form larger droplets. These droplets are carried out of the repack by the flow and then separated by gravity.

Separator elements, on the other hand, are impermeable to water. Here, the flow is guided through upstream coalescing elements, after which water droplets are retained by the separator element for a practically water-free product.



Stainless Steel-Repack



Glass fibre-Repack



Separator-Cartridges



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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