



the most
dependable range of
coalescer
separator



Coalescer - Separator

Filtration/ separation of foreign substance/ solids/ water from liquids/ fuel oils will reduce the maintenance and operational cost. Every year, many industries spend considerable time and money needlessly in their operation. Operating costs are higher than necessary, unscheduled shutdowns cause loss in production.

Rovar pumps, manufacturing Positive displacement pumps and having wide application expertise in handling variety of viscous liquids, design and develop filtering system.

Primarily we designed the filtrating system to safe guard our pumps from solid/ foreign materials, now, our customers

benefit from our new generation user friendly filtration technology.

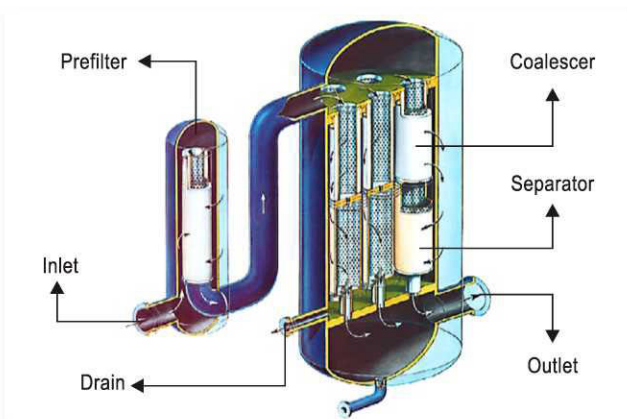
A line of products in filtration like simplex, duplex strainers, micron filtration, centrifuge oil purer, filter/ separator, meant for removing solids particles, high soot/wear particles and emulsified water separation. We specialize in separation of wear metal particles in lube oils

Rovar coalescer - separator designed to remove solid contaminants and emulsified water particles from fuel/ oils.

Working principle for separation of water from gasoline, diesel, Jetfuel:

Coalescer:
 Preconditioned fuel/diesel (use prefilter to minimize solids, before pumping to coalescer, which may plug and reduce overall life span) pass through coalescer element, the foreign particles/solids get removed and emulsion of water in the fuel form as droplets. These droplets enlarges and drop out of the fuel stream when passes through several layer of the filter media. The flow pattern is from inside to outside of the element

Separator:
 Once droplets are formed they have to be separated. This separator element prevents/repel water droplets from mixing

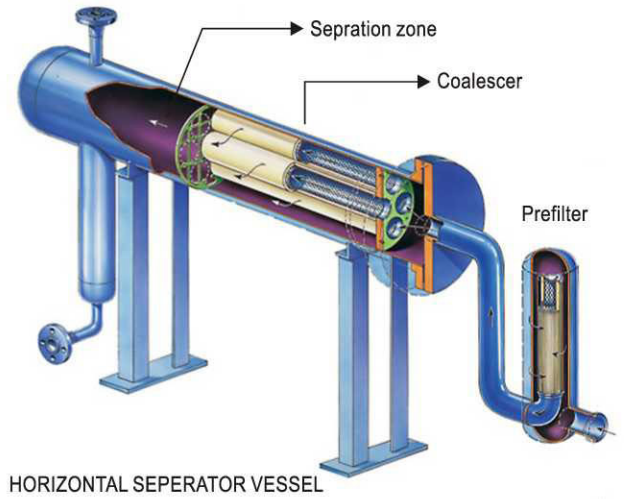


VERTICAL SEPERATOR VESSEL

with the fuel and directs to water collector (drain). The flow pattern is out side to inside. The water accumulated in the drain should be manually removed and drained periodically. (automatic drain option available). It is essential to drain the accumulated water to avoid mixing with the downstream.

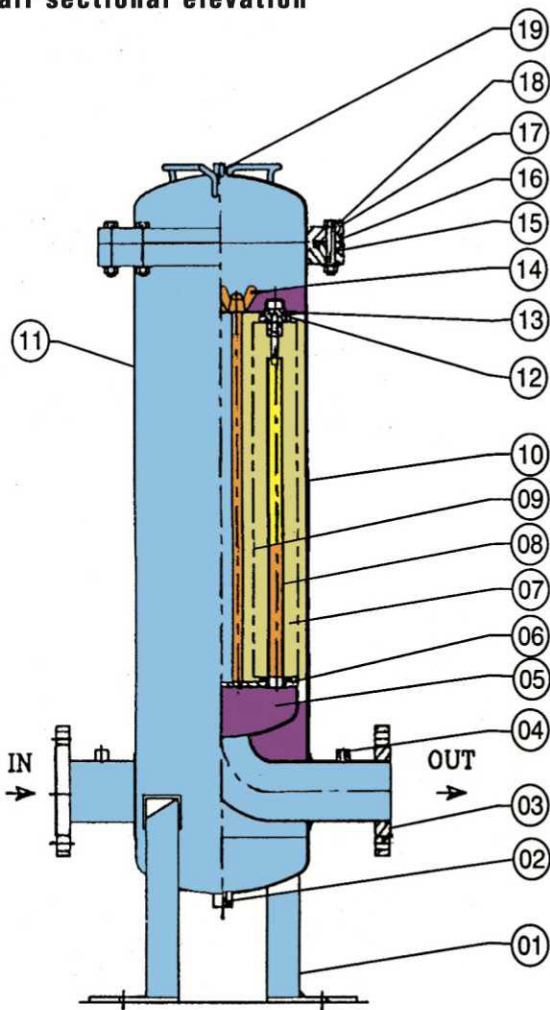
Vessel type:

The coalescer-separator can be supplied with vertical or horizontal vessel, or according to the application. A differential pressure gauge fitted on the vessel shows the pressure drop between suction and discharge flow. Which helps to determine the element condition and replacement schedule.



HORIZONTAL SEPERATOR VESSEL

Half sectional elevation



Part List

SL.#	Description
19	Vent socket
18	* Bolt washer & nut
17	O ring
16	Top Flange
15	Body flange
14	Wing nut
13	Antisway disk
12	Top seal
11	Name Plate
10	Shell
09	Tie Road
08	Cartridge support rod
07	* Cartridge
06	* Bottom seal
05	Manifold with plate
04	Pressure gauge nipple
03	Flange (Outlet)
02	Drain socket
01	Leg angle with base plate

The company reserves the right to change any specification without prior notice

An ISO 9001:2008 certified company



Manufactured by
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Your area dealer

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