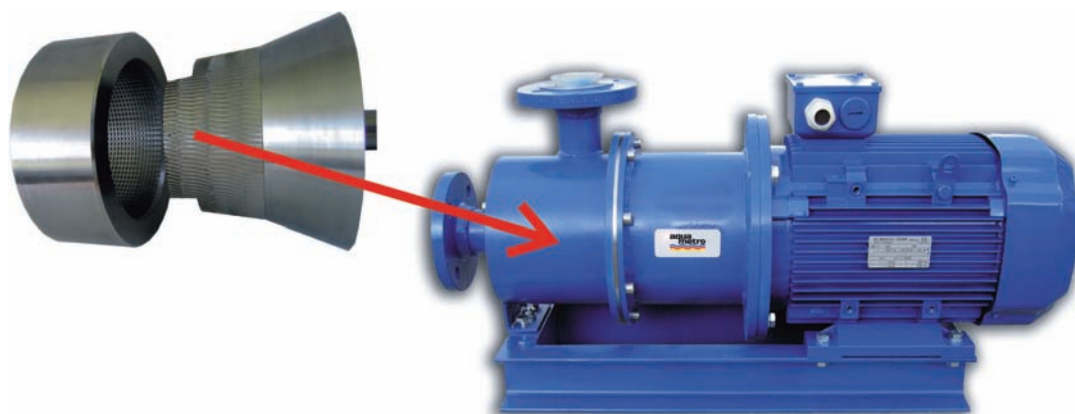


Homogenzier

for a better combustion process and less emissions

Applications

Aquametro's Homogenizer improves the uniformity of HFO and water-in-fuel-emulsions to enhance the combustion quality and to reduce emissions.



Features

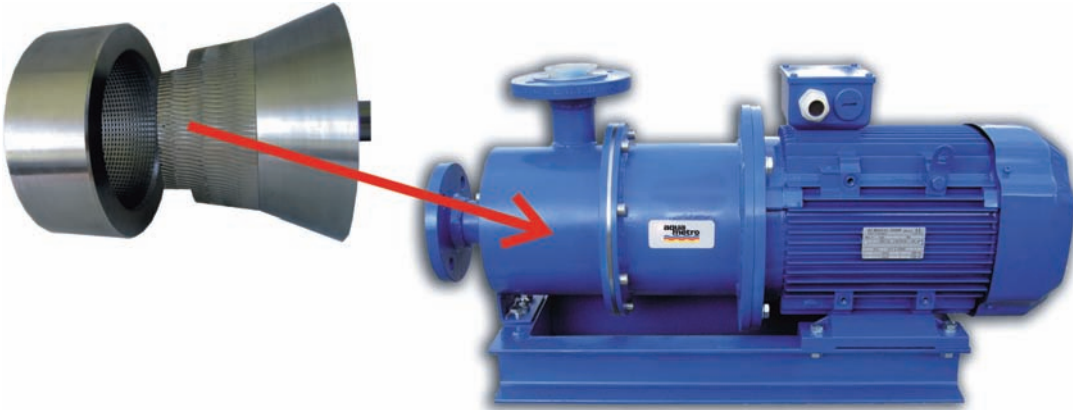
- Continuous HFO homogenizing on board by shearing of asphaltene clusters
- Pure mechanical and no chemical treatment
- Free adjustable clearance between rotor and stator
- Continuous water in fuel emulsion treatment
- Sludge treatment on board

Benefits

- Reduced operational costs due to
 - improved combustion process
 - reduced exhaust emissions
 - reduction of sludge
 - increased amount of burnable fuel
 - less wear and tear on engine components
- Individual optimisation of combustion process possible
- NOX reduction
- Reduced treatment costs

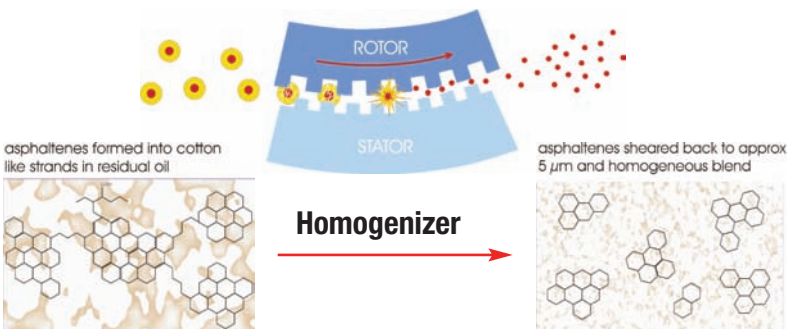
System description

Homogenzier with magnetic coupling drive.



Principle

The JOWA Homogenizer operates on the principles of mechanical shearing and ultrasonic forces. It utilises a special conical shaped milling gear, to generate high hydrodynamic power consisting of shearing, friction and acceleration forces with pressure waves of high frequency. The high molecular asphaltenes, the existing cat-fines, remaining water etc. are homogenized into heavy fuel oil with maximum particle size of 5 μm .



Technical data

Power supply	400/460 V; 50/60 Hz			
Working pressure	max. 15 bar			
Working temperature	max. 150 °C			
Size / Type	Capacity sample IF0380		Flange (in- /out-let)	Art. No.
	at 100 °C (~36cSt)	at 130 °C (~15cSt)	DIN/ISO 2633	
	[m ³ /h]	[m ³ /h]	[mm; bar]	
H 5.0	5.0	10.3	DN 50; PN 16	94709
H 8.0	8.0	17.8	DN 50; PN 16	94710
H 12.0	12.0	25.0	DN 65; PN 16	94711

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