

 Own the flow



# ALTERNATIVE FUELS

Fuel Measurement, Management and Treatment

# GREEN SHIPPING SOLUTIONS

## Our solutions for efficient fuel consumption measurement, management and treatment of alternative marine fuels

More and more shipping companies implement specific projects to push the reduction of emissions in the maritime industry. The use of alternative fuels plays an important role here, whether as an admixture to fossil fuels or as a pure alternative fuel such as carbon neutral methanol. While shipping companies are starting to convert their fleets to operate on alternative fuels,

the corresponding measurement, regulation and control technology must also be able to measure and process these new fuels. By using Aquametro's "Fit for alternative fuels" solutions, it is already possible today, to add by small efforts sustainable biofuels to the ships which still mainly use conventional fuels such as HFO or MDO, and thus sustainably reduce CO<sub>2</sub> emissions in shipping or in industrial applications.

### Enhanced CO<sub>2</sub> reporting and emissions control with FPS2.0 and SPM

The IMO and EU MRV regulations require ship owners and operators to monitor, report and verify CO<sub>2</sub> emission caused by shipping. The Fuel Performance System FPS 2.0 assists you to bundle all required data in a report on a per-voyage basis and guides you to reduce your carbon footprint. The Shaft Power Meter SPM is the key component for measuring ship performance and fuel/propulsion efficiency. It is easy to install, operates contact free and comes with **DNV Type Approval**. Identify high fuel usage periods and take according measures (SHaPoLi).



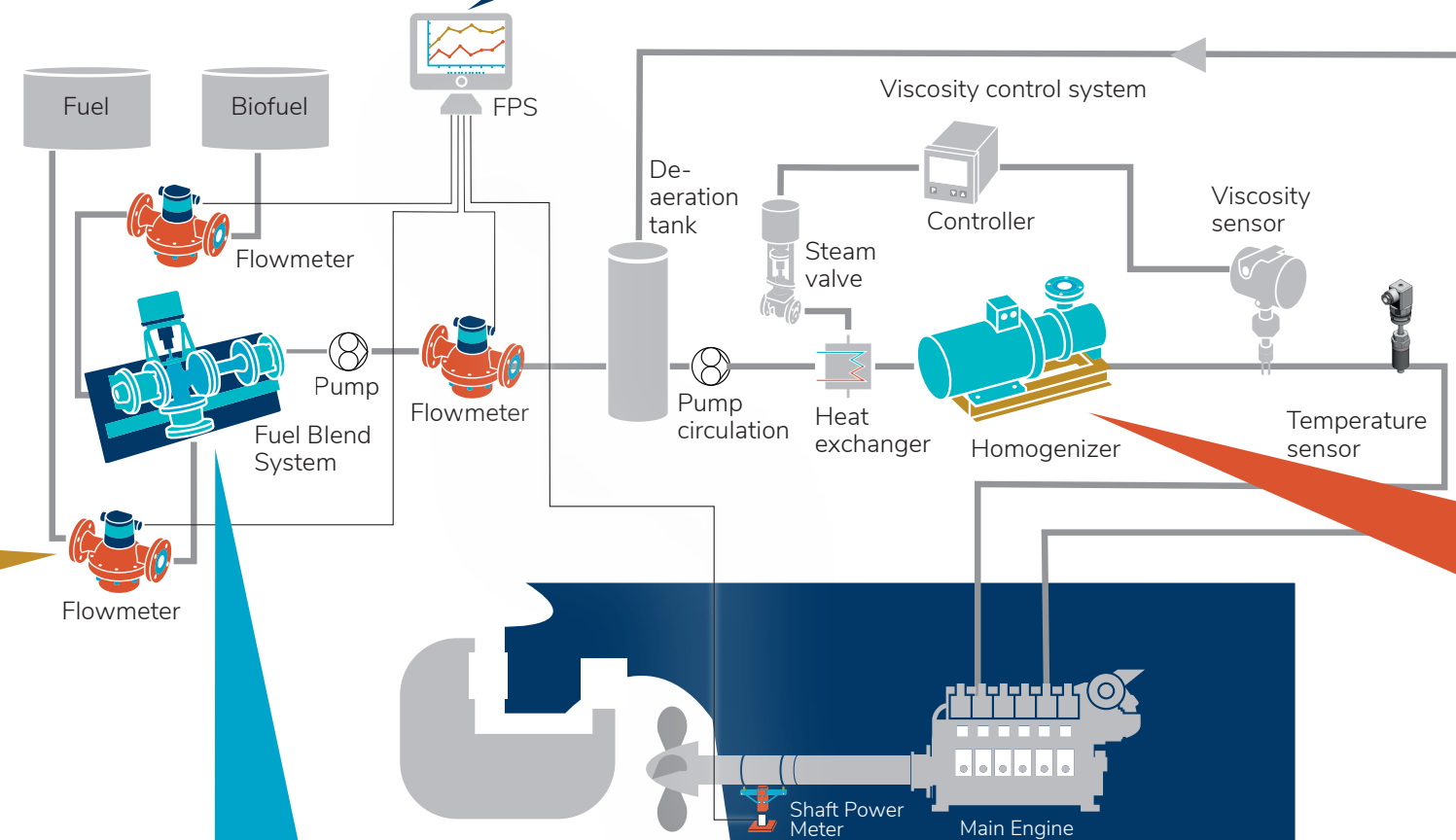
### CONTOIL® and DOMINO® flowmeters



Aquametro's latest addition to our **CONTOIL®** family of flowmeters, **CONTOIL® VZFA II** designed for the use with bio fuels. All measuring parts are made from stainless steel with a cast iron housing.

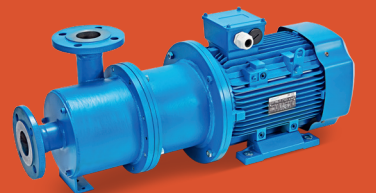
Aquametro also offers a portfolio of flowmeters for a large number of industrial liquids, including **Methanol**, with its **DOMINO®** product line. They are available in a broad flow range. Besides **Methanol**, **DOMINO®** industrial meters are the right choice for all future upcoming alternative marine fuels, such as **liquid ammonia**.

Our flowmeters, proven since many decades, guarantee highest accuracy at harsh engine room conditions with high vibration. **CONTOIL® VZFA II** and **DOMINO® ARD** are **type approved by DNV**.



### HOMOGENIZER

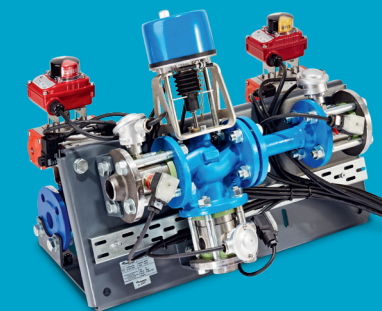
Instability is one of the issues, users of Biofuels regularly experience. Aquametro counters this problem with our special designed **HOMOGENIZERS**. Resulting in smooth running engines, excellent combustion, fuel and pollution savings. Furthermore the Homogenizer reduces sludge caused by fuel incompatibility due to different fuel specifications and comes with **DNV Type Approval**.



### ONBOARD FUEL BLENDING solution with GreenBLEND

In case of incompatibilities with blends of Biofuels and other (fossile) fuels, an Aquametro on board Fuel Blend System is the solution! While the vessel keeps on sailing, the best "blend percentage" can be chosen. In case the supplied Biofuel gives too much problems,

the percentage can be lowered, or even stopped. The vessel will not be stopped! The "**GreenBLEND**" can be integrated into an existing fuel system with quite low technical effort. The "**GreenBLEND**" of Aquametro is the **only one worldwide that has full Type Approval by DNV**.





You will find detailed technical data on the product range and project planning notes in our technical documentation.

[info@aquametro-oil-marine.com](mailto:info@aquametro-oil-marine.com)  
[www.aquametro-oil-marine.com](http://www.aquametro-oil-marine.com)

**Aquametro Oil & Marine AG**  
CH-4106 Therwil, Switzerland  
Phone +41 61 725 44 00

**Aquametro Oil & Marine GmbH**  
DE-18119 Rostock, Germany  
Phone +49 381 382 530 00