



# VDL AEC Maritime

## General Brochure

Strength through cooperation





# VDL AEC Maritime

VDL AEC Maritime is a scrubbing specialist. Our experience includes extensive research on reducing emissions and odors. In the last 20 years, we have created and implemented over 2,300 land based scrubbers and since 2013 more than 100 SOx scrubbers for the maritime industry. VDL AEC Maritime is focused on the design, development, engineering, sales, in-house manufacturing, service and commissioning of high quality innovative products and systems.

## **QUALITY & SAFETY**

SERVICE & AFTER SALES

## **STRENGTH OF A MULTINATIONAL**

HIGH QUALITY

## **IN-HOUSE MANUFACTURING**

STRENGTH THROUGH COOPERATION

## **LONG TERM RELATIONSHIPS**



# SOx SCRUBBING MADE SIMPLE

## WE MAKE IT EASY FOR SHIP OWNERS

Most scrubbers are complex, use filters and require lots of energy. Not ours. A VDL AEC Maritime scrubbing system works with any engine. It's cost effective, fuel efficient and easy to use. The vessel crew can learn to operate it in a short training session.

## OUR PHILOSOPHY

### Simplicity

Over the years, VDL AEC Maritime has managed to make scrubbing simple. Our scrubber is very easy to operate, hardly needs any maintenance and can be fitted into any vessel.

### Inline Scrubber

Small footprint, high grade of stainless steel and therefore able to run dry.

### Open tower

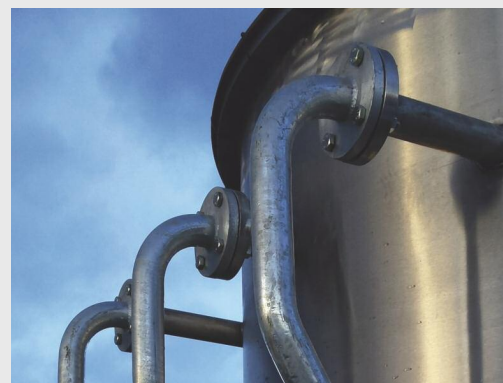
Our scrubber has an open structure, no rotating components or filters and because of our design we guarantee an optimal reaction between exhaust gas and seawater.

### Reduction of SOx and PM

Compliant to the latest IMO standards and reduces SOx and Particular matters (PM) efficiently.

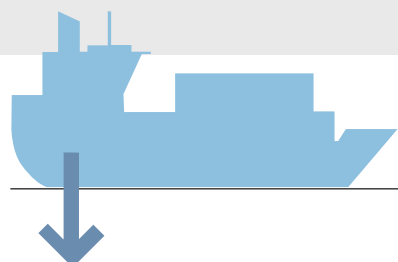
### After sales

24/7 tailored solutions for each service request.



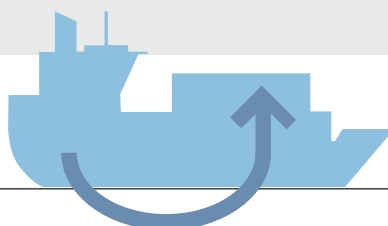
## OPEN LOOP SCRUBBERS

The OPEN loop is the most frequently used system at open sea. The process water is discharged directly back to sea while complying fully with the IMO regulations.



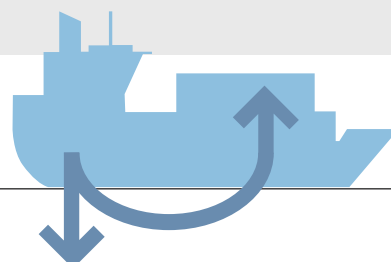
## CLOSED LOOP SCRUBBERS

The CLOSED loop is used at zero discharge areas. The seawater (or fresh water) in the process is continuously re-circulated.



## HYBRID SCRUBBERS

The HYBRID scrubber system can run in both OPEN or CLOSED loop mode. The process water is either re-circulated or directly discharged back to sea.



# VDL Groep

VDL AEC Maritime is part of VDL Groep, an international industrial family-owned company with 104 operating companies, spread over 20 countries and with more than 16,854 employees. It is a conglomerate of flexible, independent companies, each with its own specialty. The strength of VDL Groep lies in the mutual cooperation between the companies.

VDL AEC Maritime operates in the finished products division. This division comprises suspension systems for the automotive industry, heating, cooling and air-technical systems, systems for the oil, production automation systems, gas and petrochemical industry, systems for the agricultural sector, sunbeds, roof boxes, container handling equipment, waste collection systems, cigar-making and packaging machines, components for bulkhandling and dust extraction installations and systems for explosion and fire protection.

The other divisions are subcontracting, car assembly and buses & coaches. In subcontracting, VDL specialises in metalworking, mechatronic systems and system supply, plastics processing and surface treatment. The car assembly division includes the production of passenger cars for third parties. The bus & coach division includes chassis & chassis modules, coaches, public transport buses, mini & midi buses, special projects and second-hand buses.



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