

VOLATILE ORGANIC COMPOUNDS (VOC) EMISSION REDUCTION SYSTEM



The cost efficient VOC emission reduction system developed by GBA Marine is based on direct absorption technology, and utilizes hydrostatic pressure in one or more of the cargo tanks to convert VOC to crude oil. By absorbing VOC back into the crude oil, cargo tank pressure is reduced without venting to the atmosphere.

The GBA CVOC (Compact VOC) system can be used for a number of applications, including 100% elimination of VOC emissions during transport and significant reduction of VOC emissions during loading- and lightering operations.

The core of the GBA Marine VOC emission reduction system is the patented Swirl Absorber, an extremely compact unit with overall length of 1,9 meters (~76 inches) and an outer diameter of 0,5 meters (~20 inches).

The GBA CVOC system has low power consumption and is virtually maintenance free. The CVOC system can be operated manually or run in automatic mode based on cargo tank pressure. Set points for start and stop can easily be adjusted by the operator to comply with existing procedures and regulations.

In addition to environmental and economical benefits installing a VOC emission reduction system from GBA Marine also increases operational safety. The GBA CVOC system reduces tank pressure without bleeding to the atmosphere, which means that the risk of releasing H₂S or other hazardous vapors into the ventilation system of the living quarters is eliminated. In addition it replaces manual venting, thus avoiding sending crew members on deck in rough weather. For further information please contact GBA Marine AS: