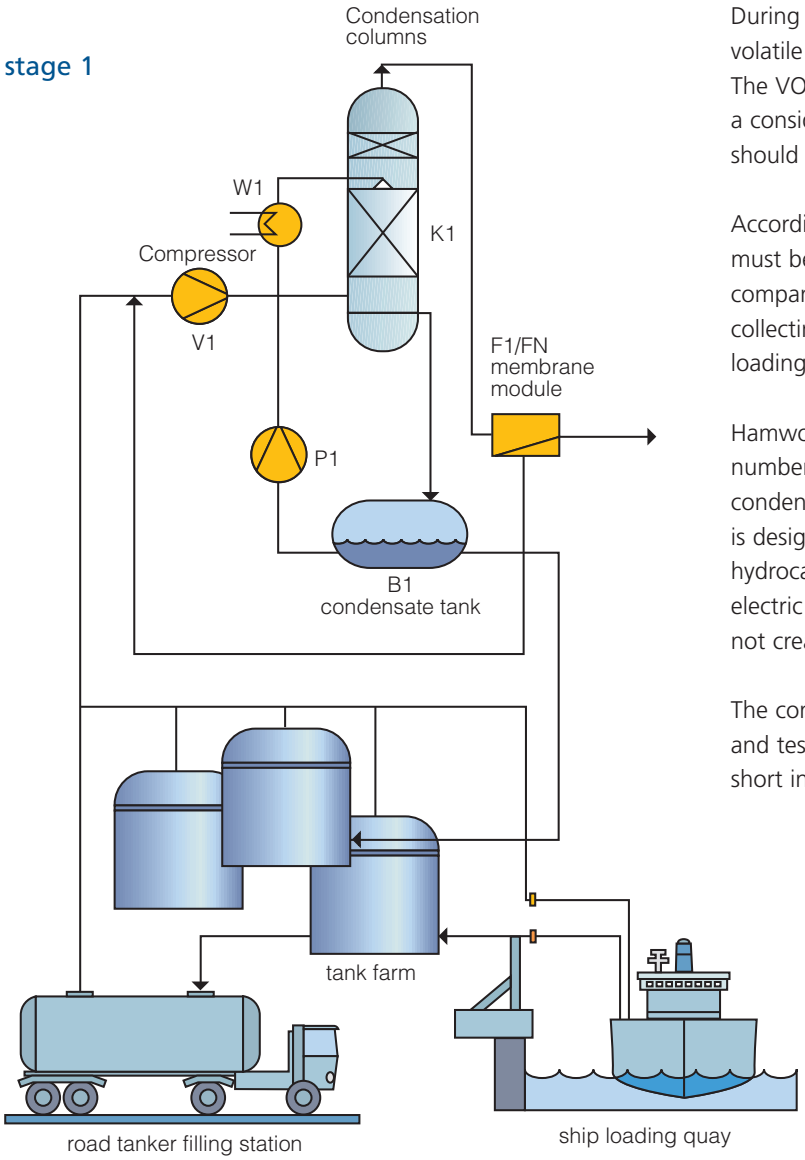
Hamworthy

VOC Recovery

Volatile Organic Compounds Reduction

Technology applied for recovery of VOC from onshore and offshore facilities

VOC Recovery



During storing and loading of hydrocarbon products, volatile organic compounds (VOC) will be released. The VOC's are harmful to the environment; represent a considerable economic value, and assets which should not be wasted.

According to the Geneva Protocol, emission of VOC must be significantly reduced. To achieve this, the oil companies are required to install systems for collecting VOC from tank farms, terminals and ship loading installations.

Hamworthy T&P supplies VOC recovery systems for a number of applications based on the principle of condensation and membrane separation. The system is designed to collect and liquefy up to 99% of hydrocarbon in a single stage and requires only electric power and cooling water. The system does not create new emission or contaminated waste.

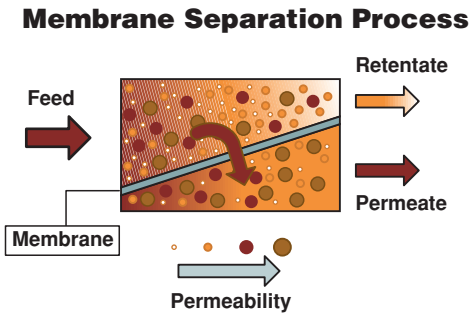
The compact modular design, which is assembled and tested prior to shipment to customer, ensures short installation time.

Hamworthy T&P performs feasability studies and process simulations to assist in the selection of the optimal solution for a given application. The company offers engineering services for integration into existing process systems

VOC Recovery unit at Skålevik tank farm in Norway

Membrane units installed at the VOC Recovery unit at Ormen Lange

Courtesy of Borsig



Hamworthy Technology & Products is a product supplier for the oil & gas industry´s with focus on increased production with minimum effect on the environment. Hamworthy T&P aims to be a leader in the development of environmentally friendly technology

Hamworthy T&P is a Norwegian supplier of equipment and systems to oil and gas installations worldwide and are specialized on oil, water and gas processing. Our technology focus on the separation of oil and water as well as gas recovery, gas conditioning and gas conversion. Our main technologies are patented, such as our technology for electrostatic coalescence (VIEC), zero continuous flaring on oil- and gas production plants and zero emission technology for floating production units.

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