



Fuel Supply & Recirculation System NH₃

Eltronic FuelTech is delighted to present our advanced Fuel Supply & Recirculation System for ammonia fuel operation. Ensuring that the International Maritime Organization (IMO) targets of reducing the vessel-related CO₂ emissions by at least 40% in 2030 are met requires decarbonized marine fuels. Green ammonia is a zero carbon fuel and is considered the most feasible fully decarbonized fuel to be used within the shipping industry in order to meet the reduction in CO₂ required by IMO.

Eltronic FuelTech's Fuel Supply & Recirculation System NH₃ is a complete turnkey solution which is able to provide ammonia to the MAN ES ME-LGI-A engine. The system contains equipment and components fitted to handle the ammonia as well as the tough marine environment. The Eltronic FuelTech Fuel Supply & Recirculation System NH₃ consists of process equipment complete with pumps, heat exchanger, heating/cooling loop, duplex filter and recirculation tanks, that will safely secure the flow of ammonia to and from the engine at the needed pressure and temperature. A Nitrogen purge connection is incorporated into the Fuel Supply & Recirculation System. This is needed in order to purge the engine, and is designed to prevent back flow of fuel to the nitrogen source.

Furthermore, the system consists of a control cabinet to be installed in a safe area, from where all processes of the Fuel Supply & Recirculation System are controlled. This control system secures safe and stable operation, recirculation and purging of the Fuel Supply & Recirculation System NH₃.



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