Gas Valve Train

Mk IV & Mk V

Comparison

FUELTECH

PART OF G&O MARITIME GROUP

Our experience within LNG fuel operations

We have developed solutions utilizing LNG for propulsion **since 2010**

We have **+2900 units** for LNG fuel operation in order or operation worldwide

We have delivered **+1000 units** for LNG operation to customers

Currently, our unit is installed on **+800 sailling ships**

The next generation of Gas Valve Train is here

The Gas Valve Train (GVT) is a key part of the LNG fuel gas system, supplying fuel gas to the engine under the required operating conditions. Controlled by the Engine Control System (ECS), the GVT ensures safe and reliable gas operation by managing fuel gas supply, shutdown, venting and purging functions.

As LNG engine technology continues to evolve, higher operating pressures, improved efficiency and simplified maintenance have become incresingly important.

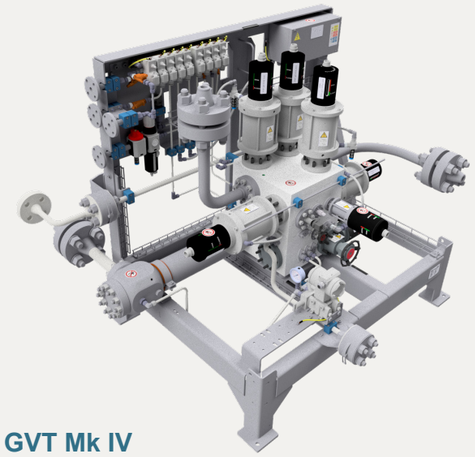
GVT Mk V has been developed for Everllence's ME-GI 10.7 engine platform and builds on more than ten years of operational experience. The new generation offers:

- Higher pressure capability up to 380 bar
- Optimized flow design for improved performance
- Enhanced durability and reliability
- Improved servicability with easier access to key components

GVT Mk V enables shipowners to build on their existing LNG experience while preparing for future operational and environmental requirements.

Scan to learn more about the GVT Mk V

Advancements from Mk IV to Mk V



GVT Mk IV

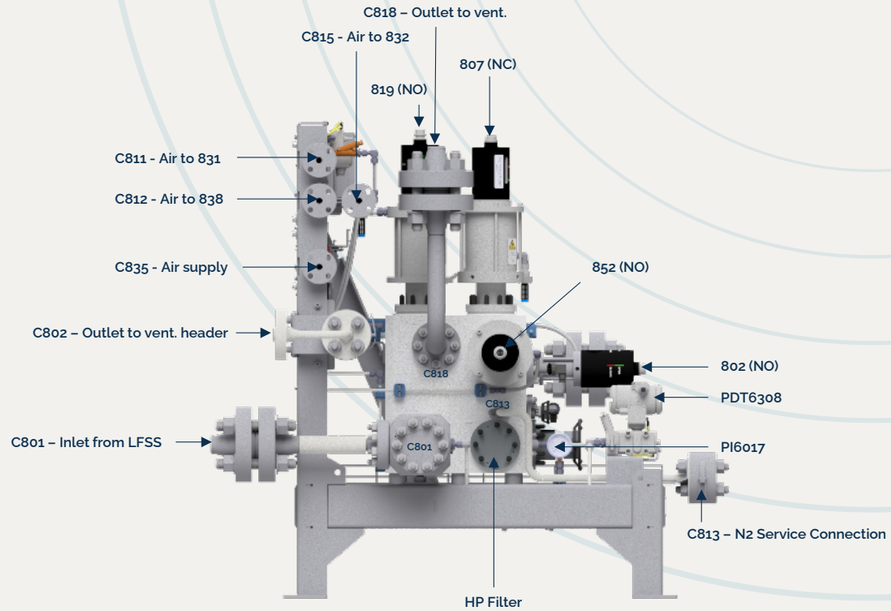


GVT Mk V

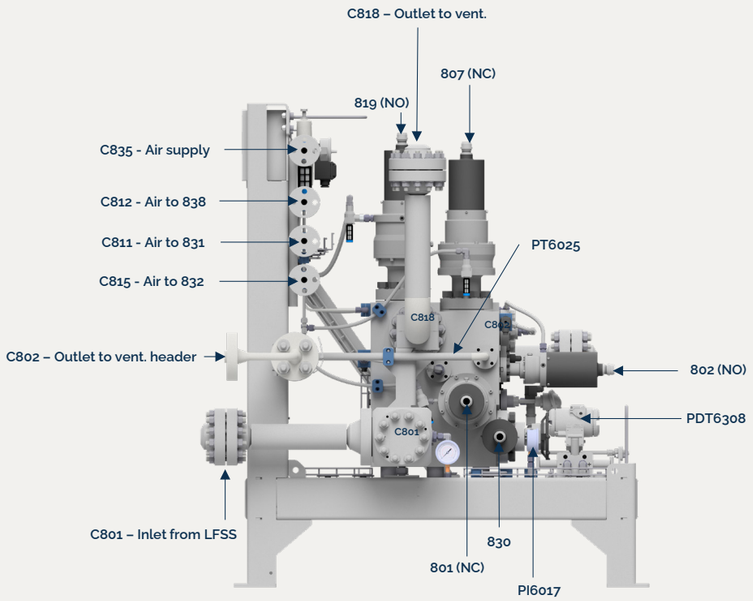
Description	GVT Mk IV	GVT Mk V
Media for engine	Methane	Methane
Nominal pressure	Up to 320 bar	Up to 380 bar
Design pressure	350 bar	420 bar
Test pressure	525 bar	630 bar
Design flow (without filter)	Methane: Up to 4.200 kg/h @300 bar, ΔP 2 bar	Methane: Up to 4.200 kg/h @ ΔP 2 bar
	Methane: Up to 10.500 kg/h @300 bar, ΔP 2 bar	Methane: Up to 11.000 kg/h ΔP 2 bar
Dimensions without options (WxHxL)	1097 x 1176 x 1168 / 1207 x 1294 x 1468 mm	1446 x 1366 x 1125 mm

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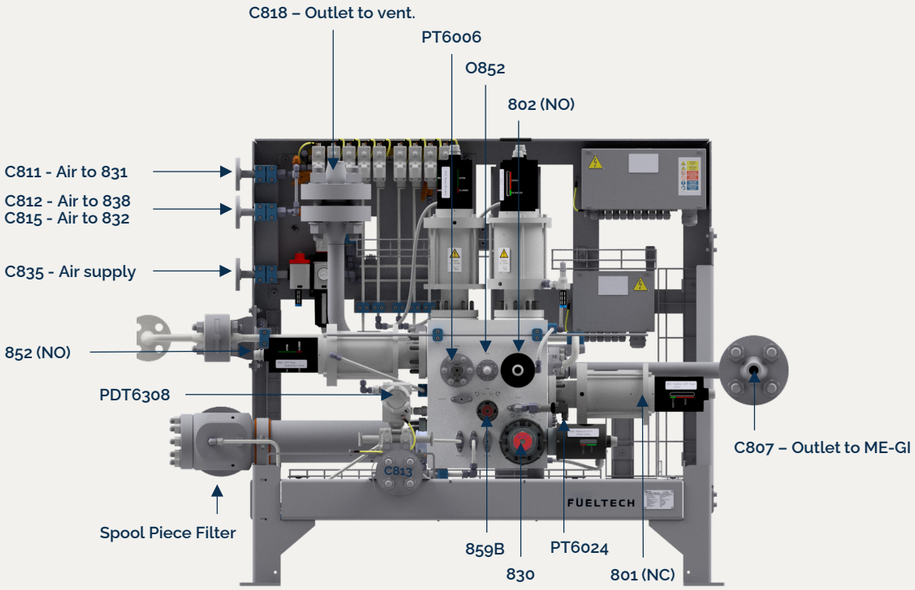
GVT Mk IV



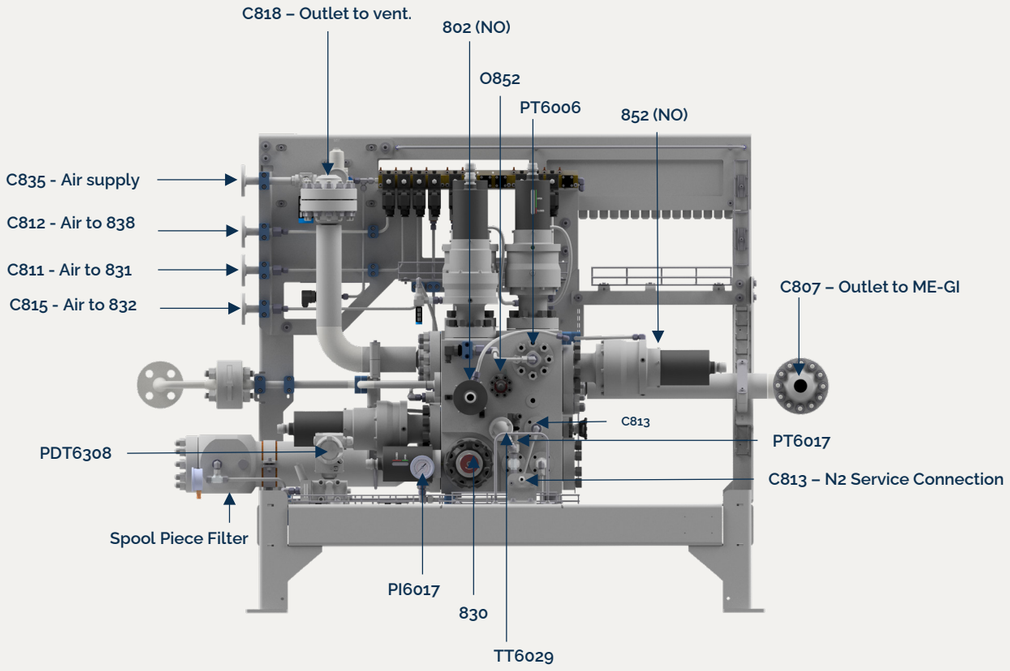
GVT Mk V



GVT Mk IV

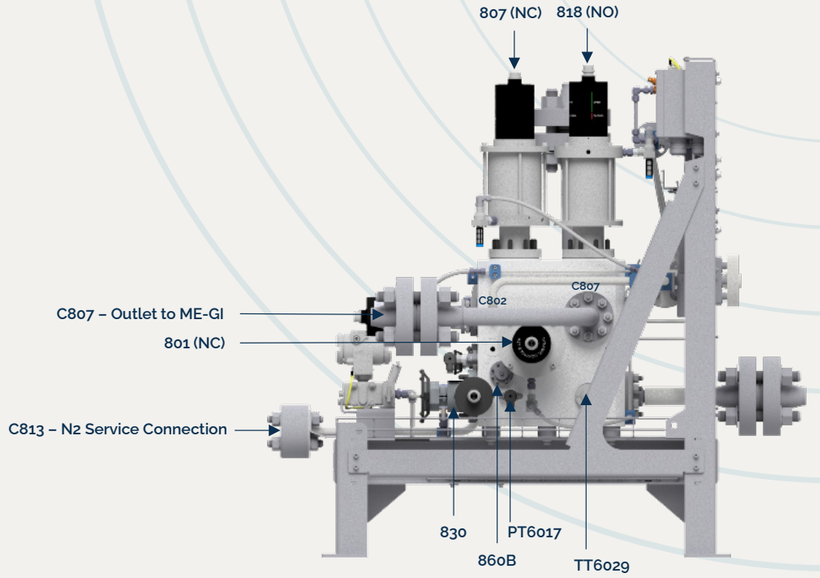


GVT Mk V

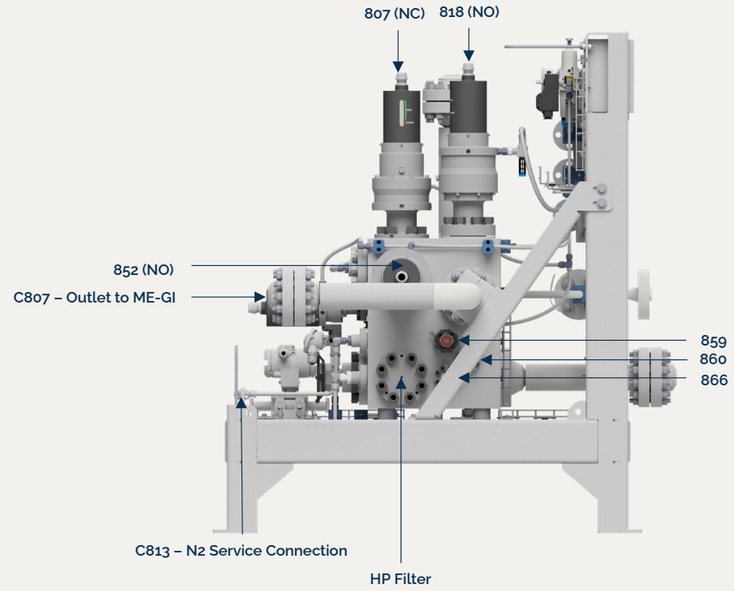


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GVT Mk IV



GVT Mk V



Integrated maritime technology

FuelTech A/S is a global engineering company, working for a zero-emission maritime industry. We develop and produce fuel systems that enable vessels to operate on greener, alternative fuels, while maintaining a safe and reliable operation. Our comprehensive solutions cover the full scope of supply between the tank and engine.

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