

Hermetically Tight High Pressure Injection Pumps for Alternative Marine Fuels.



Courtesy of Hanwha Ocean

LPG, Ammonia, Methanol and LNG are becoming increasingly important as alternative fuels in the Marine Industry. All enable cleaner and more efficient combustion than the previously used Heavy Fuel Oil (HFO or VLSFO). Modern and efficient dual-fuel 2-stroke marine diesel engines require the precise and safe injection of these alternative marine fuels. LEWA triplex diaphragm pumps are ideally suited for this purpose.

Ammonia

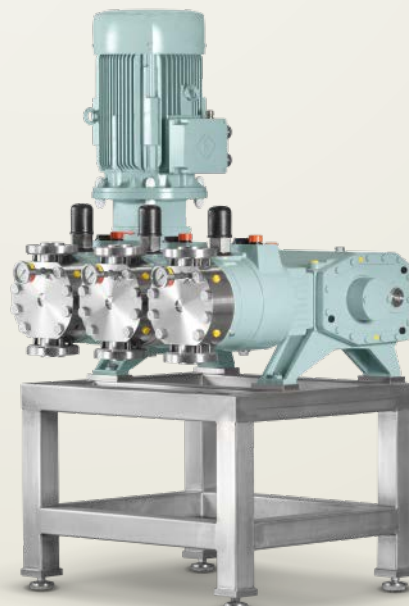
LPG

LNG

MeOH

Advantages:

- Hermetically tight – no spillages
- Large operating range – easy and fast flow adjustment
- Robust and run dry safe 100%
- Easy maintenance
- Small footprint
- Highest efficiency
- Highest operational safety
- Vast experience – many installations on seagoing vessels
- Certifications according to DNV, ABS, Lloyds, KR, NK etc. possible



Performance data:

Flow rate	50 m ³ /h
Discharge pressure (LPG)*	55 bar
Discharge pressure (NH ₃)*	85 bar

*higher pressures are possible