LIQUEFIED GAS CARRIER

LGC 500 - LGC 1500 - LGC 3000 - LGC 5000 - LGC 6500 - LGC 7500
Liquefied Gas Carrier

The Damen Liquefied Gas Carrier (LGC) is primarily designed for the transportation of all sorts of liquefied (cryogenic) gasses, such as methane, propane, ethylene and vinyl chloride - monomer. With the LGC, Damen offers a vessel which fulfills the latest market demands.

Various Types Available

**Damen LPG Carrier**
The Damen LPG Carrier is deliverable as a fully pressurised and semi-refrigerated vessel.

**Damen Ethylene Carrier**
Ethylene has an atmospheric boiling point of -104°C. In this design, the vessel has the ability to carry most other liquefied gasses. In combination with LPG cargoes increases the flexibility of the vessel.

**Damen LNG (Bunker) Carrier**
Methane has an atmospheric boiling point of -162°C. Equipped with an LNG bunkering arm, this vessel fulfills the latest market demands. The main engine and generator sets can use the boil of gas (BOG).

**Damen Combination Carrier**
Combined cargoes such as LPG, Ethylene, VCM and LNG.
liquefied gasses, in line with the demands of today's market.

Damen set out to create a vessel that was able to carry various liquefied gasses, in line with the demands of today's market.

With an excellent endurance, economic fuel consumption and the possibility to run on MGO, HFO380 or LNG (dual fuel), the LGC is a very efficient vessel. Damen set out to create a vessel that was able to carry various liquefied gasses, in line with the demands of today's market.

The boil off gas (BOG) will be used as a fuel for the main engine or other consumers such as generator sets. This allows the vessel to use BOG in a clean and environmentally friendly way.

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The layout of this LGC includes a wheelhouse giving an optimal view of the deck only for cargo operations, but also when sailing at sea and manoeuvring at close quarters. The crew accommodation is modern, comfortable and efficient, with the well-being of the crew key consideration.

The cargo tanks and their supporting systems are supplied by well-known and reputable subcontractors. For the vessel this is the backbone of successful operations with minimum downtime and optimal economy in operation. The LGC will be equipped with cylindrical IMO tank type C tanks. This solid tank type allows high loading rates and needs little maintenance.

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ENVIRONMENTAL CARE

- The LGC is supplied with a Green Passport, which gives an inventory of possible hazardous materials on board.
- Fuel tanks are protected with cofferdams and the vessel has a Zero Dumping Certificate.
- Optional scrubbers can help gain the benefits of HFO sailing and reduce emissions.
- Optional sailing with dual fuel engine using the boil off from the LNG tank.
- Excellent handling of the pressure build-up in the LNG tanks.
- During the design process special attention was paid to sustainability. The combination of materials, workmanship and Damen’s experience ensures a long lifetime for the vessel.

BUILDING ON SITE

Damen Technical Cooperation provides a prefabricated shipbuilding kit and can, on request, combine this with expert assistance, training and backup. By using standardised components, it is possible to create a custom-built design, fulfilling specific local requirements.