Advantages
At a Glance

LOW OPERATING COSTS
- Very high efficiencies

PROCESS RELIABILITY
- Gas-loaded liquid supply
- Wide operating range
- Suction and inflow mode possible
- High pressure stages
- Low NPSH
- Cavitation free operation
- ATEX certification
- Ex-motors acc. to customer request

EASY TO INSTALL
- Modular system for customized solutions
- Compact block or baseplate design
- Low space requirement

TECHNICAL SUPERIORITY
- Open impellers without axial/trust
  resp. balanced closed impellers
- Especially designed ring cases without radial forces
- Single- and double-acting mechanical seals
- Magnetic couplings as option
- Energy-saving motors

DESIGN
- Optimum pump selection by our specialized engineers

EDUR Liquefied Gas Pumps
Operation Worldwide

Liquefied Gas Pumps -
for Production, Transport
and Gas Storage
Liquefied gases are produced by compression or cooling. Due to the reduced volume, these gases can be transported and stored more easily. Moreover, they can be directly supplied to consumers by decompression.

Butane, propane and their derivatives are the most common liquefied gases. These LPG gases (liquefied petroleum gas) incur during crude oil production and gas extractions as well as in the petroleum refineries. Basically, LPG is used as fuel and as combustion gas for heat generation.

Liquefied natural gas (LNG) belongs to the fuel gases as well, but consists mainly of methane. It is liquefied, stored and transported at -164°C.

Other liquefied gases such as ammonia are used in refrigeration and air conditioning. CO₂, is required in the process and beverage industries. The DIN 51622 standard does describe an overview of various liquefied gases.

EDUR pumps for handling liquefied gas are very versatile, e.g. production and transport in tank wagons or road tank trucks. They do provide for safe transport in industry and to endusers.

LIQUEFIED GAS DISTRIBUTION: FROM THE PRODUCER TO THE CONSUMER

Production, transport, processing/storage, transport, filling, consumer.

Innovative Components for Safe and Efficient Liquefied Gas Handling

SERIES S
- Self-priming, with integrated jet pump, self-venting, driven by 3-phase AC-motor
- Application: Tank plants, refrigeration installation, process technology, ship building, industrial plants

SERIES LB HYDRAULICALLY DRIVEN
- Multistage compact design on base plates with dismountable coupling, driven by 3-phase AC-motor
- Application: Tank trucks, tank plants, refrigeration installations, beverage industry, ship building, industrial plants

SERIES LB
- Space saving, multistage, compact design, driven by hydraulic motor
- Application: Tank trucks, tank plants, refrigeration installations, beverage industry, ship building, industrial plants

SERIES NH
- Multistage compact design on base plates with dismountable coupling, driven by 3-phase AC-motor
- Application: Tank trucks, tank plants, refrigeration installations, beverage industry, ship building, industrial plants

Properties:
- Flow rate up to 300 m³/h
- Temperature -50 to +90 °C
- Casing pressure PN 16
- Shaft sealing mechanical seal/magnetic coupling

Properties:
- Flow rate up to 60 m³/h
- Temperature -50 to +110 °C
- Casing pressure PN 40
- Shaft sealing mechanical seal/magnetic coupling

Technical data
- Flow rate up to 170 m³/h
- Temperature -50 to +110 °C
- Casing pressure PN 40
- Shaft sealing mechanical seal/magnetic coupling

Detailed information about these pumps are available as hard copy or online at www.edur.com

Technical data
- Flow rate up to 300 m³/h
- Temperature -50 to +90 °C
- Casing pressure PN 16
- Shaft sealing mechanical seal/magnetic coupling