EDUR®

Product Information

MADE IN GERMANY
...SINCE 1927

Liquefied Gas Pumps - for Production, Transport and Gas Storage

Liquefied Gas Pumps Challenging Specialists

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 the consumers by decompression.

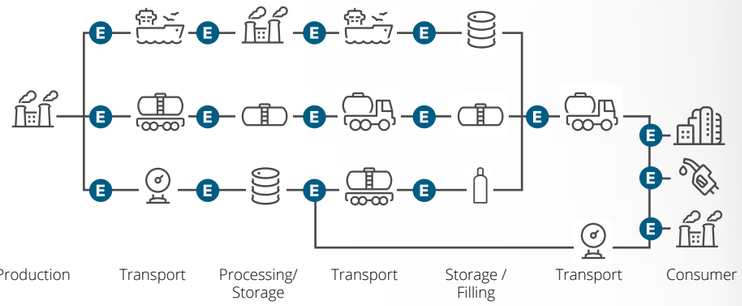
Butane, propane and their derivatives are the most common liquefied gases. These LPG gases (liquefied petroleum gas) incur during crude oil production and gas extractions as well as in the petroleum refineries. Basically, LPG is used as fuel and as combustion gas for heat generation.

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.

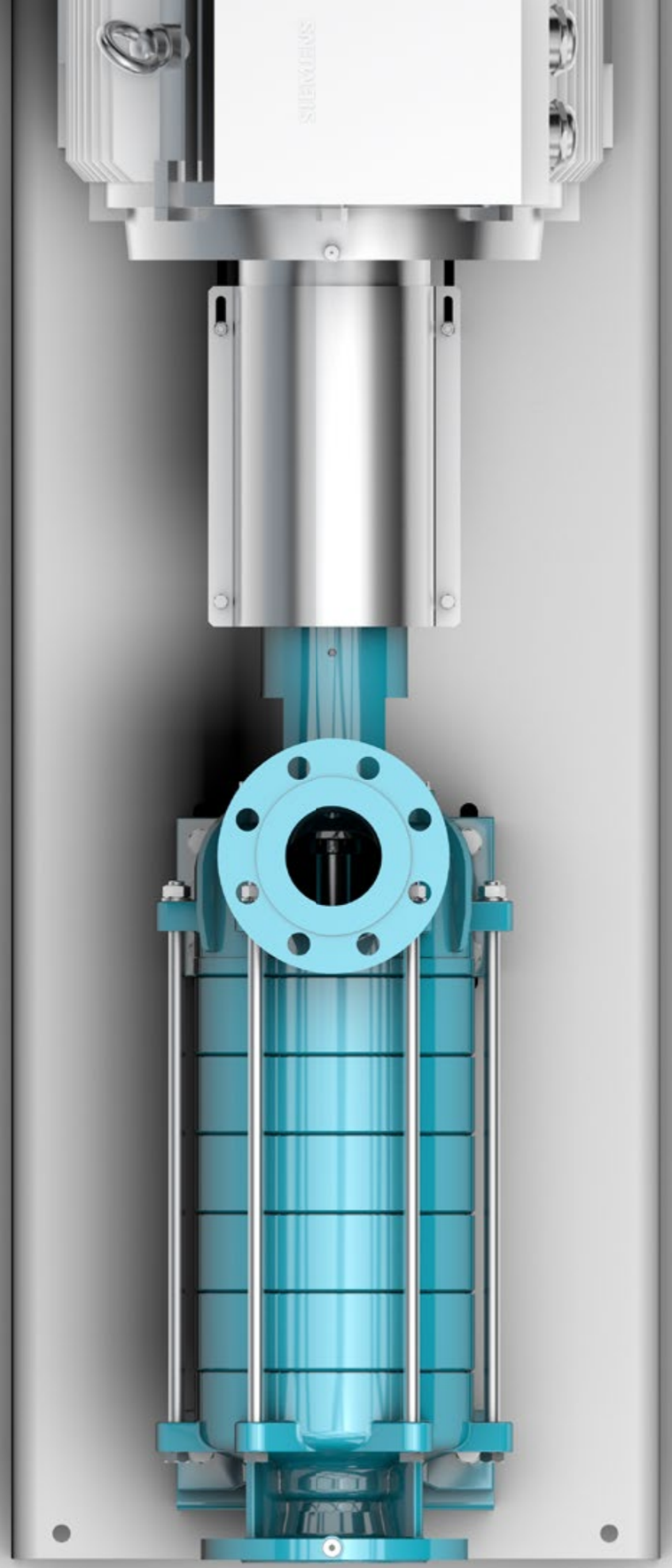
Other liquefied gases such as ammonia are used in refrigeration applications. CO_2 is required in the process and beverage industries. The DIN 51622 standard does describe an overview of various liquefied gases.

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



E Application of EDUR Liquefied Gas Pumps



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
- EEx-motors acc. to customer request
- Low pulsation supply
- Low noise emission
- Long service life
- Maximum safety
- Easy handling
- Easy service

EASY TO INSTALL

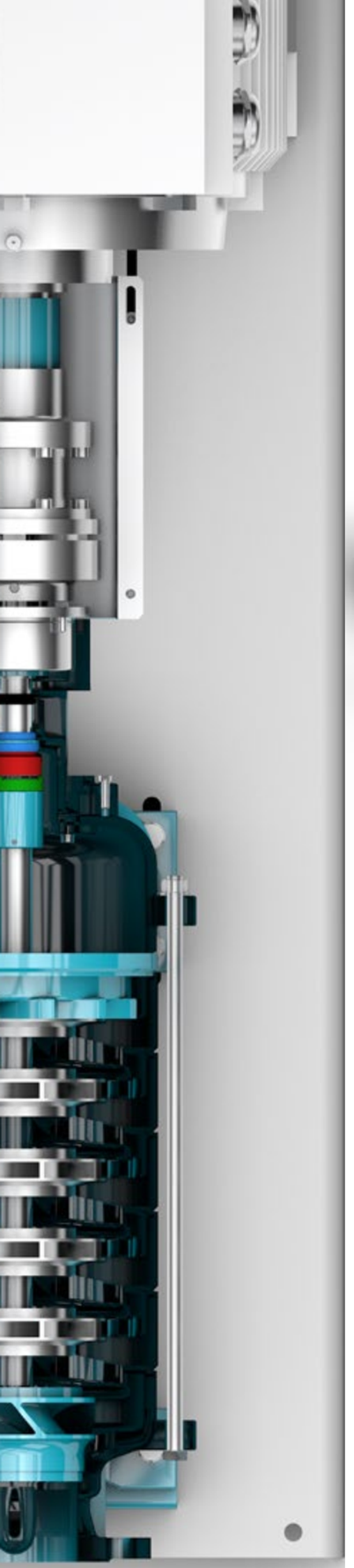
- Modular system for customized solutions
- Compact block or baseplate design
- Low space requirement

TECHNICAL SUPERIORITY

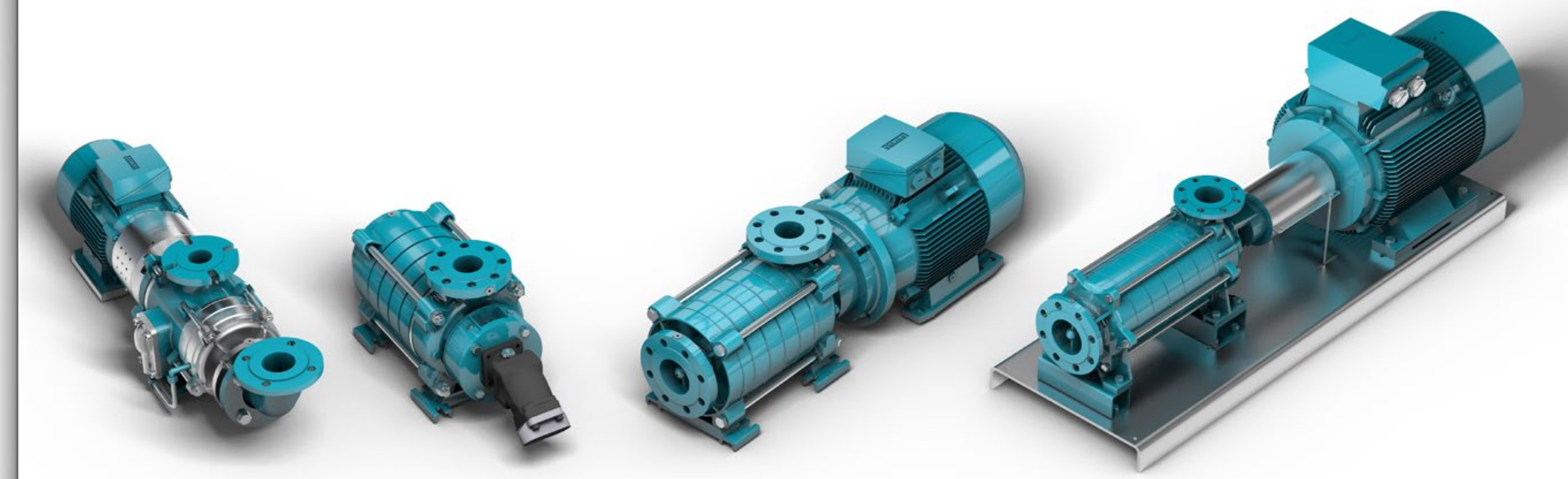
- Open impellers without axial thrust resp. balanced closed impellers
- Especially designed ring cases without radial forces
- Single- and double-acting mechanical seals
- Magnetic couplings as option
- Energy-saving motors

DESIGN

- Optimum pump selection by our specialized engineers



Innovative Components for Safe and Efficient Liquefied Gas Handling



SERIES S

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

Suction mode

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

SERIES LB HYDRAULICALLY DRIVEN

Properties: Space saving, multistage, compact design, driven by hydraulic motor
Application: Tank trucks

Inflow mode

Technical data	
Flow rate, max	60 m³/h
Temperature	-50 °C to +110 °C
Casing pressure	PN 40
Shaft sealing	mechanical seal/ magnetic coupling

SERIES LB

Properties: Space saving, multistage, compact design, driven by 3-phase AC-motor
Application: Tank plants, refrigerating installations, beverage industry, ship building, industrial plants

Inflow mode

Technical data	
Flow rate, max	60 m³/h
Temperature	-50 °C to +110 °C
Casing pressure	PN 40
Shaft sealing	mechanical seal/ magnetic coupling

SERIES NH

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

Inflow mode

Technical data	
Flow rate, max	170 m³/h
Temperature	-50 °C 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

EDUR Liquefied Gas Pumps
Operation Worldwide






EDUR-Pumpenfabrik Eduard Redlien GmbH & Co. KG • Edisonstraße 33 • 24145 Kiel • Germany
Phone: +49 431 689868 • info@edur.de • www.edur.com