



Product information

MADE IN GERMANY
...SINCE 1927

Liquefied Gas Pumps –
for Production, Transport
and Gas Storage

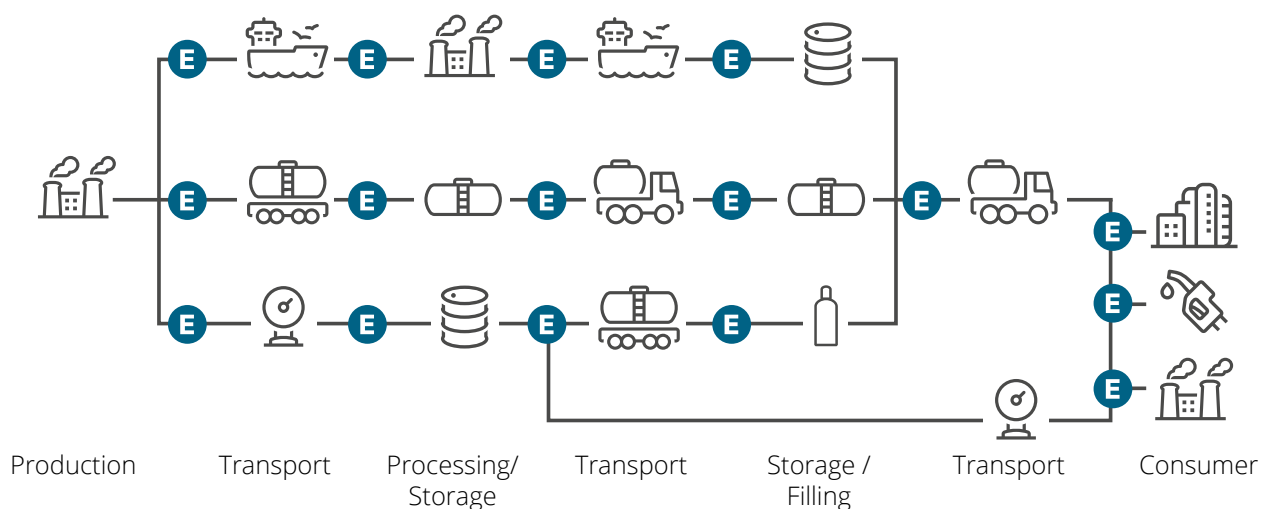


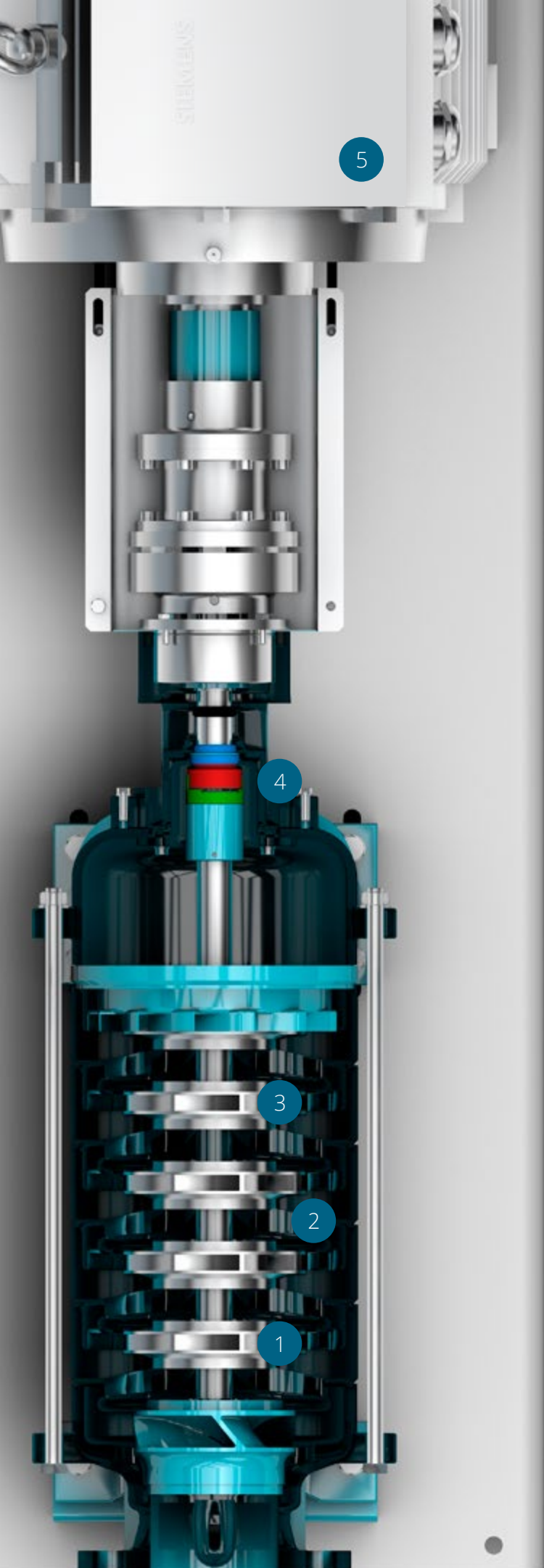
Liquefied Gas Pumps – A Challenge for Specialists!

EDUR liquefied gas pumps are used for unloading, pumping and filling processes. The demands on liquefied gas pumps are high. These include for example the safe handling of gas-loaded liquids, low NPSH values, low-pulsation transport of media, low noise emissions as well as ATEX-compliant designs. Liquefied gas pump users also expect safe control of outgassing and fluctuations in vapor pressure and also increasingly high pump efficiencies. High degrees of efficiency result in lower energy consumption, smaller drive units and thus to relatively compact pumps.

Our liquefied gas pumps can be used in various applications. They are mainly used in tank farms, tank trucks refrigeration plants and industrial plants, but also in the beverage industry and in process technology and ensure safe and efficient conveying. EDUR pumps are used in particular for conveying LPG gases (liquefied petroleum gas) such as butane, propane or their derivatives, but they are also used for the transport of other liquefied gases such as ammonia or carbon dioxide.

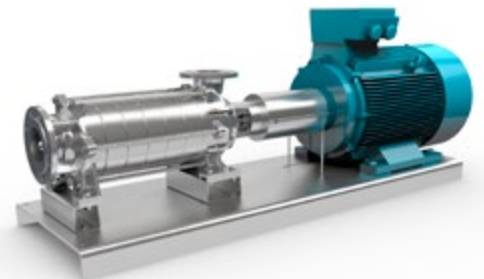
LIQUEFIED GAS DISTRIBUTION: FROM THE PRODUCER TO THE CONSUMER





- 1 Pump hydraulic:**
High degree of efficiency, low energy consumption
- 2 Open impellers without axial thrust or balanced closed impellers:**
Reduced vibration, reduced weariness
- 3 Diffuser blades in the annular casing:**
Minimize radial loading forces, stable hydraulic performance
- 4 Different shaft sealing systems:**
Single- and double-acting mechanical seal, optional magnetic coupling
- 5 Energy-saving drives**

Innovative Components for Safe and Efficient Liquefied Gas Handling



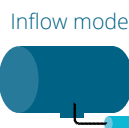
SERIES LB HYDRAULICALLY DRIVEN

Properties:

Space saving, multistage, compact design, driven by hydraulic motor

Application:

Tank trucks



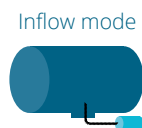
SERIES LB

Properties:

Space saving, multistage, compact design, driven by 3-phase AC-motor

Application:

Tankers, tank trucks, tank wagons, bottling process, process technology, refrigerating



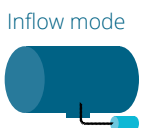
SERIES NH

Properties:

Multistage compact design on base plates with dismountable coupling, driven by 3-phase AC-motor

Application:

Terminals, process technology, refrigerating



Technical data

Flow rate	up to 60 m ³ /h 264 US gpm
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Temperature	-50 to +110 °C -58 to +230 °F
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Casing pressure	PN 40
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Shaft sealing	mechanical seal/ magnetic coupling
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Discharge pressure	up to 21,6 bar
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Technical data

Flow rate	up to 60 m ³ /h 264 US gpm
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Temperature	-50 to +110 °C -58 to +230 °F
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Casing pressure	PN 40
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Shaft sealing	mechanical seal/ magnetic coupling
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Discharge pressure	up to 21,6 bar
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Technical data

Flow rate	up to 170 m ³ /h 749 US gpm
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Temperature	-50 to +110 °C -58 to +230 °F
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Casing pressure	PN 40
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Shaft sealing	mechanical seal/ magnetic coupling
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Discharge pressure	up to 21,6 bar
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A vertical industrial pump assembly is shown on the left side of the page. It features a white motor at the top, a silver cylindrical section, and a main body made of teal-colored segments. The pump has a large circular flange with six bolt holes at the top. The entire unit is mounted on a grey base.

Advantages at a Glance

PROCESS RELIABILITY

- High efficiencies
- Low NPSH values
- Possibility to convey gas-loaded liquids
- Large operating range
- Suction and flooded supply possible
- High nominal pressures
- Low-pulsation transport of media
- Low noise emissions
- Long service life
- Easy handling
- Easy maintenance
- Optional sensor-based operation monitoring
- ATEX-compliant design available
- Explosion-protected motors to customer specifications
- Alternative drive forms available

EASY TO INSTALL

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

EDUR Liquefied Gas Pumps – in Use all over the World

