

LIQUID GAS PUMP NHE - LBE

Connection- ϕ [mm] from ... up to	40 ... 125
Stages	Multi stage
Execution	Cebtrifugal
Construction	Horizontal
Design/type	Stage pump
operating pressure (bar)	Up to 40bar
Temperature ($^{\circ}$ C)	from -40 up to +110
Viscosity (mm^2/sec)	Up to 115
Solid transport	-
max. capacity (m^3/h)	340
max. head (m)	400



Liquefied gas pumps are required for unloading, fuel transfer, filling and fueling processes. There are high requirements: low NPSH values, low level of pulsations transport, mixture transport, high pressure differences, low noise emissions and ATEX conformity.

The user, besides the reliable transport of liquid-gas mixtures, also expects the control of outgassing and variations of the steam pressure and more and more popular higher pump efficiencies.

The high pump efficiencies lead to low energy consumption, smaller drive assembly and to relatively compact pumps units.

High Energy-Efficiency

- very high efficiencies
- optimized impeller approach flow

Technical Superiority

- open impellers without axial thrust or balanced closed impellers
- compensation of radial forces by means of diffuser devices in the annular casing
- single- or double acting mechanical seals and magnetic coupling optional
- NPSH inducer stages
- ATEX conformity

Process Reliability

- partial gas supply
- wide performance curve characteristics
- low NPSH-values

Easy Installation

- modular construction for customized solutions
- compact bloc- or bedplate design

Application

- operating pressure up to 40 bar
- temperature -40° C to $+110^{\circ}$ C
- viscosity up to $115 \text{ mm}^2/\text{s}$

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DIN EN ISO



SCC**

DGRL



ATEX



ASME



EAC