At present, liquefied gasses are produced and used in many forms. They are mainly gasses that comply with DIN 51622 as propane, propene, butane and their mixtures. In order to use them in industry and private homes they have to be stored, pumped and transported properly. To meet these standards, the design of the pump is of great importance.

**Vertical tank pumps**
Booster pump installed in an isolation chamber at the top of underground storage tank (maximum 6 m diameter).
Series: CEB

**Installations for suction lift operation**
These systems consist of a side channel pump with a single low NPSH centrifugal impeller, complete with monitoring, regulating, and control equipment. Suction lift up to a maximum lift of 4 m, from an underground vessel, is possible with a flow-rate of circa 200 m³.
Series: PC

**Combination multi-stage pumps with low NPSH and priming stage**
Specific multistage pumps, that combine side-channel benefits (self-priming, vapour handling, and low NPSH) with those of centrifugal construction (high flow rate and efficiency) offer tanker off-loading and bulk-storage capabilities.
Series: UEA

**Side channel pumps with low NPSH**
Self-priming pumps with exceptionally low NPSH characteristics also have the ability to handle large quantities of entrained gas and vapour. They are suited to bottle filling, and automotive dispensers where low-noise is important.
Series: CEH, SC
During the various stages of LPG distribution, pumps are required to boost the pressure. While a liquefied gas would vaporise under normal atmospheric conditions, it must be stored and pumped at its vapour pressure. Consequently, NPSH availability is usually at a premium and the Side-Channel configuration becomes the ideal choice.

### Pumps and Systems

#### Vertical tank pump
**Type CEB**
- **Capacity:** Max. 35 m³/h
- **Diff. Pressure:** Max. 23 bar
- **Shaft sealing:** Mechanical seal, magnetic drive
- **Material:** Ductile iron, stainless steel

#### Side channel pump with accessories
**Type PC**
- **Capacity:** Max. 35 m³/h
- **Diff. Pressure:** Max. 20 bar
- **Shaft sealing:** Mechanical seal, magnetic drive
- **Material:** Ductile iron, stainless steel

#### Multi-stage pumps
**Type UEA**
- **Capacity:** Max. 220 m³/h
- **Diff. Pressure:** Max. 23 bar
- **Shaft sealing:** Mechanical seal
- **Material:** Ductile iron, stainless steel

#### Side channel pump
**Type CEH, SC**
- **Capacity:** Max. 35 m³/h
- **Diff. Pressure:** Max. 20 bar
- **Shaft sealing:** Mechanical seal, magnetic drive
- **Material:** Ductile iron, stainless steel
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