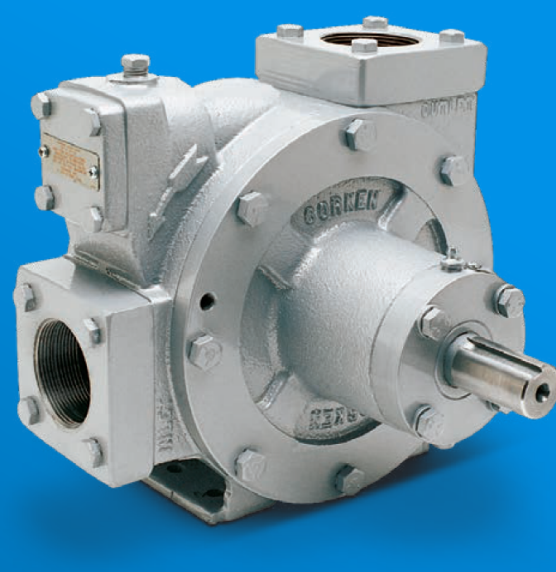


Built for Demanding Mobile Liquid Transfer



In **LPG, NH₃, propane, butane-n, isobutylene, propylene, other hydrocarbons, and light liquid transfer applications**, efficient and reliable liquid transfer is critical to keeping operations running without interruption.

Mobile platforms such as bobtail trucks and transport tankers operate under constantly changing field conditions, where pumping systems must deliver **consistent performance, high flow, and long service life.**

The Corken Z-Series sliding vane pumps are engineered to meet these demands—combining **robust design, operational efficiency, and proven field performance.**

Market Needs and Application Challenges

Mobile liquid transfer systems face a unique set of challenges:

Operating Condition

Harsh Operating Conditions and varying suction conditions

Cavitation & Suction Limitations

Space constraints and pressure drops can lead to cavitation and premature wear

Extended Delivery Distances

Transfer over longer distances and elevation differences increases load on the system

Dual-Phase Handling Challenges

Pump system capable of handling liquid with entrained vapour (Dual-phase handling).

Operational Reliability

Continuous use demands pumps that perform consistently with minimal downtime

Z-Series Pumps: Engineered for Real-World Conditions

Corken Z-Series pumps are specifically designed to handle the realities of liquified gas transfer applications, ensuring performance even in the most demanding environments.

From the catalogue (Page 3), these pumps are built to operate under severe conditions including high pressure, poor suction, and heavy PTO loads, while maintaining efficiency and reliability, and ease of operation.

Key Features & Advantages

01

Anti-Cavitation Design

- High-flow inlet and direct flow outlet minimise cavitation
- Engineered cam design replenishes liquid at suction, improving performance

02

Extended Service Life

- Precision-machined, reversible sideplates double service life
- Low-impact vane driver design reduces wear on componentst

03

High Reliability Under Load

- Needle roller thrust bearing system handles heavy PTO loads
- Rated to withstand demanding mobile operating conditions

04

Reduced Maintenance

- Silicon carbide mechanical seal reduces leakage and extends run time
- Preset internal relief valve eliminates field adjustments

05

Consistent Pumping Performance

- Maintains flow efficiency even under varying pressure and suction conditions

Performance Across Multiple Applications

The Z-Series offers multiple configurations tailored to different delivery requirements:

Z2000

Compact design for standard delivery truck applications (41–76 GPM)



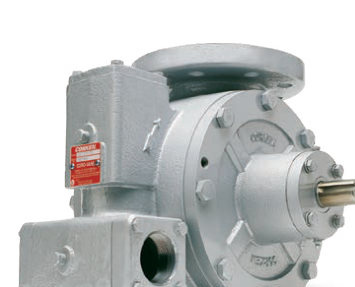
Z3200 (Bobtail)

Ideal for bobtail operations with higher flow needs (63–110 GPM)



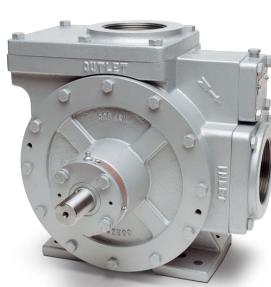
Z4200 (Bobtail)

High-capacity solution for transport applications (200–360 GPM)



Z3500 (Stationary)

Ideal for truck and stationary loading needs (86–177 GPM)



Z4500 (Stationary)

Built for high-flow transport and bobtail loading (190–382 GPM)



These options provide flexibility across a wide range of liquified gas transfer scenarios, ensuring optimal pump selection for each use case.

Designed for Today's Market, Ready for Regional Demand

As demand for liquified gas transfer solutions continues to grow across India and the wider APG region, the need for reliable, application-ready pumping systems with **faster availability and stronger local support** is becoming increasingly critical.

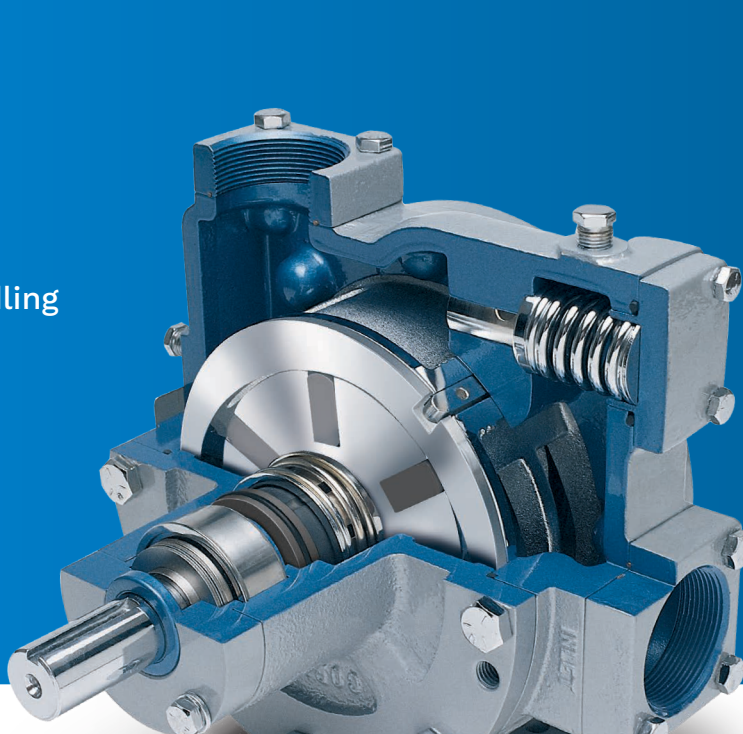
With enhanced focus on **regional capability, application understanding, and service responsiveness, the Z-Series is well positioned** to support evolving market requirements with greater agility and proximity.

Integrated Approach to Mobile Transfer Systems

The Z-Series pumps integrate seamlessly into mobile systems, supporting:

- Bulk liquid transfer
- Bobtail delivery operations
- Transport unloading
- LPG, NH₃, and hydrocarbon handling

When combined with Corken valves, accessories, and system components, they enable a **complete, efficient, and reliable transfer solution.**



Conclusion: Performance You Can Rely On

In mobile liquid transfer, performance is defined by efficiency, durability, and consistency under pressure.

The Corken Z-Series delivers:

- Reliable performance in harsh conditions
- Reduced cavitation and extended pump life
- Lower maintenance and higher uptime
- Flexibility across LPG, NH₃, propane, and hydrocarbons



Proven in the field. Built for evolving regional demands.