

Gear Pump for Freezers

This gear pump is designed for use in freezer applications, functioning as a transmission and booster pump. It can also be utilized as a fuel or lubricating oil pump within the freezer's systems.



Product Overview

LB Series Gear Pump

The LB series gear pump is a versatile solution designed for industrial applications, serving effectively as a transmission, booster, or fuel pump. It is engineered for conveying lubricating oils and similar non-corrosive fluids without solid particles or fibers. Featuring advanced arc sinusoidal gear technology, this pump ensures quiet operation, high efficiency, and a long service life by eliminating relative sliding on the tooth surface.

Technical Specifications



Detailed view of the internal gear mechanism and robust housing design.

Design Advantages

Arc Sinusoidal Teeth • Low Noise • High Efficiency • No Trapping Liquid • Wear-Resistant

Maximum Operating Temperature	80 °C
Viscosity Range	5-1500 cSt
Shaft Seal	Mechanical seal

Performance Metrics

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20 m³/h
Capacity

0.5 MPa
Pressure

Applications & Compatibility

Primary Use Cases

- Transmission and booster pump
- Fuel system conveying and pressurizing
- Industrial lubricating oil pump

Compatible Fluids

Lubricating Oil, N32 Refrigerant Lubricants, N46 Refrigerant Lubricants, Ammonia Systems, Fluorine Systems