

Hydraulic Accumulator Charging Valve

This power brake valve system provides high operation safety with minimal operating force. It is suitable for use in construction equipment, material handling vehicles, forestry and agricultural machines, and other mobile working machinery.



Overview

High-Performance Power Brake Valve System

The GLT05 accumulator charging valve is a critical component for power brake systems, offering high operational safety with low operating force. Designed for heavy-duty mobile machinery, it ensures efficient energy storage and precise pressure control to prevent overcharging. This highly integrated valve is engineered for quick installation and reliable performance in demanding industrial environments.

Technical Performance

Key Performance Metrics

25 MPa Rated Pressure	70 L/min System Flow	20 MPa Accumulator Circuit Pressure
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Liquid Filling Flow	6-17 L/min
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Operating Conditions

Hydraulic Oil Type	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid Temperature Range	-20°C to 100°C
Viscosity Range	10 to 380 mm ² /s
Fluid Cleanliness Standard	GB/T 14039-2002 level 18/15, NAS 1638 level 9

Design Features

● Features

- Accumulator charging valve comes in small size design and is simple to install.
- Brake valve can be quickly ready for operation.
- Flexible connection to the accumulator.
- Charging valve is highly integrated.
- Hydraulic valve can be connected to downstream devices.

● Applications

- Grader
- Wheel excavator
- Forklift
- Wheel loader
- Excavator/loader
- Hoisting machinery
- Other heavy machines

The GLT05 valve features a compact design suitable for a wide range of heavy machinery including forklifts, loaders, and excavators.

Core Features

- Compact small-size design for easy installation
- Rapid readiness for brake system operation
- Flexible accumulator connection options
- High system integration
- Connectivity for downstream hydraulic devices

Applications

Suitable Machinery

Grader • Wheel Excavator • Forklift • Wheel Loader • Excavator/Loader • Hoisting Machinery • Construction Equipment • Agricultural Machines

Physical Specifications

Weight

3.5 kg