

Hydraulic Transmission Control Valve

Hydraulic transmission control valve regulates fluid flow in hydraulic systems, suitable for underground mining coal auger machinery. It is optionally available with a proportional valve or solenoid valve according to usage.



Overview

High-Performance Transmission Control

This hydraulic transmission control valve is engineered for demanding applications in tractor and construction machinery gearboxes. It provides precise fluid flow management, offering users the choice between proportional and solenoid-operated configurations. Designed for durability in harsh environments, it ensures reliable 4x4 or 6x6 gear shifting capabilities.

Performance Metrics

Key Operating Specifications

3 MPa

Rated Pressure

36 L/min

Rated Flow

13.5 kg

Weight

Technical Details

Applications

- Tractor gearbox
- Construction machinery gearbox

Parameters

Rated pressure (MPa)	3
Rated flow (L/min)	36
Solenoid valve working voltage	12VDC±15% 24VDC±15%
Hydraulic fluid	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	-20-100
Viscosity range (mm ² /s)	10-380
Fluid cleanliness	Not lower than GB/T 14039-93 level 19/16 or NAS 1638 level 10
Weight (kg)	13.5

Model PT220.1 control valve featuring proportional and solenoid valve options.

Operational Data

Parameter	Specification
Solenoid Voltage	12VDC±15% or 24VDC±15%
Fluid Compatibility	Mineral oil (HL, HLP) DIN 51 524
Temperature Range	-20 to 100 °C
Viscosity Range	10-380 mm ² /s

Fluid Cleanliness Standards

GB/T 14039-93 Level 19/16, NAS 1638 Level 10

Applications

Target Applications

- Tractor gearboxes
- Construction machinery gearboxes
- Underground mining coal auger machinery