

Hydraulic Pilot Control Valve

This pilot control valve is designed to be compact and flexible, simplifying installation. It provides reliable proportional flow control and quick response to pressure changes.



ADDITIONAL IMAGES



Overview

High-Performance Hydraulic Control

The Hydraulic Pilot Control Valve is a compact and flexible solution designed for precise proportional flow control in heavy-duty machinery. It features a low actuating force for superior operator comfort and a dust-proof design to ensure high durability in harsh environments. With its quick response to pressure changes and customizable characteristic curves, it provides reliable performance across a wide range of industrial applications.

Technical Performance

Parameters

Pilot pressure (MPa)	Maximum 5
Control flow (L/min)	Maximum 16
Return pressure (MPa)	Maximum 0.3
Hydraulic oil	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	- 20°C-80°C
Viscosity range (mm ² /s)	10-380
Fluid cleanliness	Not lower than NAS 1638 level 9
Weight (kg)	About 2kg per piece

Detailed technical parameters including pressure limits, flow rates, and fluid requirements.

Performance Metrics

5 MPa

Max Pilot Pressure

16 L/min

Max Control Flow

0.3 MPa

Max Return Pressure

Operating Parameters

Parameter	Value
Fluid Temperature Range	-20°C to 80°C
Viscosity Range	10-380 mm ² /s
Fluid Cleanliness	NAS 1638 level 9 or better
Weight	Approx. 2kg per piece

Protection & Reliability

Dust Proof, High Durability, Quick Response, Low Hysteresis

Compatibility

Compatible Hydraulic Oil

Mineral oil (HL, HLP) in accordance with DIN 51 524

Applications

Target Machinery

- Loaders and Bulldozers
- Hoisting and Material Handling Machinery
- Agricultural and Forestry Machinery
- Compactors
- Container Cranes

Features

Product Features

- Small and compact design for simple installation
- Sectional construction for high flexibility
- Low actuating force for operator comfort
- Reliable proportional flow control
- Low hysteresis and quick pressure response
- Dust-proof and highly durable construction
- Customizable pressure characteristic curves