

# 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 <sup>2</sup> /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 <sup>2</sup> /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