

# Hydraulic Pilot Control Valve

This hydraulic pilot control valve features a compact design for simplified installation, with all ports arranged in parallel. It offers reliable proportional flow control, low hysteresis, and quick response to pressure changes.



## ADDITIONAL IMAGES



## Overview

### High-Precision Hydraulic Control

The 4TH6U06 Hydraulic Pilot Control Valve is a compact, dual-axis solution designed for precise proportional flow control in heavy-duty machinery. It features a single-lever design with low actuating force, ensuring operator comfort and quick response to pressure changes. Built for durability, this dust-proof valve offers customizable pressure characteristic curves to meet the specific requirements of various directional control systems.

## 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)	3.6

Detailed technical specifications including pressure, flow rates, and fluid requirements for the 4TH6U06 model.

### Performance Highlights

**5 MPa**

Max Pilot Pressure

**16 L/min**

Max Control Flow

**3.6 kg**

Unit Weight

**Maximum Return Pressure**

**0.3 MPa**

## Fluid Requirements

### Required Cleanliness

NAS 1638 Level 9

### Hydraulic Oil Type

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

### Fluid Temperature Range

-20°C to 80°C

### Viscosity Range

10-380 mm<sup>2</sup>/s

## Design Features

### Operational Features

Small & Compact, Parallel Ports, Single Lever, Dual Axis, Low Hysteresis, Dust Proof, Quick Response

## Applications

### Compatible Equipment

- Loader & Bulldozer
- Hoisting & Material Handling Machinery
- Agricultural & Forestry Machinery
- Compactor
- Container Crane
- Drilling Rig