

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 ² /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 mm²/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