

Hydraulic Pilot Control Valve

This hydraulic pilot control valve is designed for precise control and quick response in hydraulic systems. Its ergonomic handle is available with various switches or push buttons for comfortable operation.



Overview

Precision Hydraulic Control

The 4THF5 Hydraulic Pilot Control Valve is a precision-engineered component designed for high-performance hydraulic systems in heavy machinery. It features a compact design for simple installation and an ergonomic handle that ensures operator comfort even during extended use. This valve provides accurate control and quick response times, making it ideal for demanding agricultural and construction applications.

Key Performance Metrics

Performance Highlights

5 MPa

Max Pilot Pressure

16 L/min

Max Control Flow

1.95 MPa

Upper Control Pressure

Technical Specifications

Parameters

Pilot pressure (MPa)	Maximum 5
Control flow (L/min)	Maximum 16
Return pressure (MPa)	Maximum 0.3
Control pressure range (MPa)	0.5-1.95
Working voltage (V)	DC24
Working current (mA)	200-230 (at normal temperature, voltage 24V)
Operating temperature (°C)	-40-121

Detailed technical specifications including pressure ranges and flow rates.

Operating Parameters

Parameter	Value
Pilot Pressure	Maximum 5 MPa
Control Flow	Maximum 16 L/min
Return Pressure	Maximum 0.3 MPa
Control Pressure Range	0.5 - 1.95 MPa
Working Voltage	DC 24V
Working Current	200-230 mA (at 24V)

Environmental Limits

Operating Temperature	-40°C to 121°C
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Design Features

Key Features

- Small and compact design for easy installation
- Accurate control with quick response times
- Ergonomic handle with optional switches or push buttons
- Positioner compatibility with solenoid valves for auto reset
- Variable outlet pressure for better cylinder speed control
- Resistant lever arm to prevent operational failure
- Parallel ports for simplified piping installation

Applications

Industrial Applications

Loader, Bulldozer, Agricultural machinery, Material handling, Compactor, Forestry machinery, Container crane, Drilling rig