

# Hydraulic Pilot Control Valve

This pilot control valve offers quick response and accurate fluid flow management. Its compact design allows for simple installation and minimal pressure drop in hydraulic systems.



## Product Overview

### High-Precision Hydraulic Control

The XDF3 Hydraulic Pilot Control Valve is engineered for precise fluid flow regulation in heavy-duty machinery. Featuring an ergonomic design with optional switch integration, it offers superior operator comfort and responsive control. Its robust construction ensures reliable performance in demanding environments like construction and forestry.

## Technical Specifications

### Parameters

Pilot pressure (MPa)	Maximum 2.5
Control flow (L/min)	Maximum 16
Return pressure (MPa)	Maximum 0.3
Control pressure range (MPa)	0.3-2.0
Working voltage (V)	DC24
Working current (mA)	200-230 (at normal temperature, voltage 24V)
Operating temperature (°C)	-40-121
Rated suction (N)	300±20
Hydraulic oil	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	-20-80
Viscosity range (mm <sup>2</sup> /s)	10-380
Fluid cleanliness	Not lower than NAS 1638 level 9
Weight (kg)	11

Detailed performance and operational parameters chart.

### Performance Metrics

**2.5 MPa**

Max Pilot Pressure

**16 L/min**

Max Control Flow

**11 kg**

Total Weight

### Operating Parameters

Parameter	Value/Range
Control Pressure Range	0.3 - 2.0 MPa
Return Pressure	Max 0.3 MPa
Working Voltage	DC24 V
Operating Temperature	-40 - 121 °C
Rated Suction	300 ± 20 N

## Fluid Requirements

### Hydraulic Fluid Specs

- Mineral oil (HL, HLP) conforming to DIN 51 524
- Fluid temperature range: -20 to 80 °C
- Viscosity range: 10-380 mm<sup>2</sup>/s
- Cleanliness level: Not lower than NAS 1638 level 9

## Applications

### Compatible Machinery

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