

Hydraulic Pilot Control Valve for Earthmoving Machinery

This hydraulic pilot control valve features accurate control and fast response. Its compact structure simplifies piping installation and reduces pressure loss in hydraulic systems.



ADDITIONAL IMAGES



Product Overview

High-Performance Hydraulic Control

This Hydraulic Pilot Control Valve is engineered for precision and responsiveness in demanding earthmoving and agricultural applications. It features a compact monoblock or sectional design that simplifies installation while reducing pressure loss within the hydraulic system. With options for mechanical or solenoid operation, it provides operators with low actuation force and high comfort for superior machinery handling.

Key Performance Metrics

Performance Highlights

5 MPa

Max Pilot Pressure

16 L/min

Max Control Flow

0.3 MPa

Max Return 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)	Rotating bucket slice: 0.5-2.5 Boom slice: 0.5-2.0
Working voltage (V)	DC24
Working current (mA)	200-230 (at normal temperature, voltage 24V)
Operating temperature (°C)	-40-120
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 ² /s)	10-380
Fluid cleanliness	Not lower than GB/T 14039-2002 level 19/16 or NAS 1638 level 10
Weight (Kg)	DJS2:9.5 DJS3:19.5

Detailed technical parameters including pressure ratings, flow rates, and electrical specifications for DJS series valves.

Rotating Bucket Control Range	0.5 - 2.5 MPa
Boom Slice Control Range	0.5 - 2.0 MPa
Rated Suction	300 N

Electrical Data

Working Voltage	DC24V
Working Current	200-230 mA (at 24V)

Fluid & Environment

Fluid Cleanliness Level

- GB/T 14039-2002 level 19/16
- NAS 1638 level 10

Operating Temperature	-40°C to 120°C
Hydraulic Oil Type	Mineral Oil, HL, HLP, DIN 51 524
Viscosity Range	10-380 mm ² /s

Applications

Compatible Machinery

Wheel Loader • Bulldozer • Hoisting Machinery • Agricultural Machinery • Material Handling • Compactor • Forestry Machinery • Container Crane • Drilling Rig

Physical Properties

Model Weights

Model	Weight (Kg)
DJS2	9.5
DJS3	19.5

Functional Features

Operational Features

- Accurate control and fast response
- Low actuation force for operator comfort
- Logic valve integration for floating control
- Compact structure to reduce pressure loss
- Optional solenoid or mechanical operation
- Positioner connectivity for auto-reset and unlock switching