

Sectional Directional Control Valve

This sectional directional control valve is available with 1 to 8 sections. The hydraulic valve features a compact design for simplified piping and installation.



Product Overview

High-Performance Sectional Directional Control Valve

The TDV25 is a robust, sectional directional control valve designed for precise fluid flow management in demanding mobile and industrial hydraulic systems. Featuring a modular design capable of handling 1 to 8 sections, this valve offers simplified piping and installation while providing excellent flow control characteristics. It is engineered with comprehensive safety features including integrated overflow, charge, and check valves, ensuring reliability in heavy-duty machinery applications.

Technical Specifications

Parameters

Rated pressure (MPa)	25
Rated flow (L/min)	250
Pressure range of main overflow valve (MPa)	10-25
Pressure range of secondary overflow valve (MPa)	15-31.5
Hydraulic oil	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	- 20-100
Viscosity range (mm ² /s)	10-380
Fluid cleanliness	Not lower than GB/T 14039-93 level 19/16 or NAS 1638 level 10
Weight (kg)	45

Engineered for auxiliary transportation systems in demanding environments.

Key Performance Metrics

25 MPa

Rated Pressure

250 L/min

Rated Flow

45 kg

Unit Weight

Operating Parameters

Parameter	Range/Value
Main Overflow Valve Pressure	10-25 MPa
Secondary Overflow Valve Pressure	15-31.5 MPa
Fluid Temperature Range	-20 to 100 °C
Viscosity Range	10-380 mm ² /s

System Compatibility

● Applications

- Loader
- Bulldozer
- Agricultural machinery
- Material handling machinery
- Forestry machinery
- Container crane

Versatile compatibility across a wide range of industrial and mobile machinery.

Fluid & Maintenance

- Hydraulic fluid: Mineral oil (HL, HLP) per DIN 51 524
- Cleanliness standard: GB/T 14039-93 19/16 or NAS 1638 level 10
- Actuating method: Hydraulic remote control
- Circuit types: Parallel, series-parallel, or dual circuit

Typical Applications

Loader, Bulldozer, Agricultural machinery, Material handling, Forestry machinery, Container crane