

Hydraulic Regulating Valve

This regulating valve features a compact construction for simple piping layouts. The hydraulic valve with a spring return actuator has a low back pressure and good sealing performance.



Product Overview

High-Performance Hydraulic Regulation

The SAJ90 is a high-performance regulating valve engineered for precise fluid flow control in demanding hydraulic systems. Featuring a compact, robust construction, it offers excellent sealing performance and a simplified piping layout. Designed for reliability in harsh environments, it is an ideal solution for heavy-duty applications such as excavators and mining machinery.

Core Features

- Compact construction
- Simple piping layout
- Spring return actuator
- Low back pressure
- High sealing performance

Key Metrics

Performance Specifications

8.7 MPa

Brake Pressure

150 ml

Oil Discharge Volume

33 kg

Weight

Technical Details

Applications

- Mining machinery

Parameters

Brake pressure (MPa)	8.7
Oil discharge volume (ml)	150
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)	33

Detailed view of the SAJ90 hydraulic regulating valve structure.

Operating Conditions

Parameter	Value
Fluid Type	Mineral oil (HL, HLP) acc. DIN 51 524
Temperature Range	-20 to 100 °C
Viscosity Range	10 to 380 mm ² /s
Fluid Cleanliness	GB/T 14039-93 19/16 or NAS 1638 10

Applications

Industry Applications

Excavators, Mining Machinery