

# 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 <sup>2</sup> /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 <sup>2</sup> /s          |
| Fluid Cleanliness | GB/T 14039-93 19/16 or NAS 1638 10    |

## Applications

Industry Applications

Excavators, Mining Machinery