

Dual-Circuit Hydraulic Brake Valve

This hydraulic brake valve is used for construction equipment, material transfer vehicles, forestry and agricultural machinery, and urban vehicles. It is designed for modulating brake systems.



Product Overview

Dual-Circuit Modulating Brake Valve

The HBV-L10F-00 is a high-performance dual-circuit hydraulic brake valve engineered for precise modulating brake control. Designed for demanding environments, this valve is suitable for a wide range of machinery, including construction equipment, material transfer vehicles, forestry and agricultural machinery, and urban vehicles. Its robust construction ensures reliability and consistent performance in heavy-duty hydraulic braking systems.

Technical Specifications

Parameters

Oil input pressure	20MPa
Brake pressure	12MPa
Oil return pressure	≤0.5MPa
Viscosity range	10-380 mm ² /s
Oil temperature range	-20°C--100°C
Oil cleanliness	No less than Level GB/T 14039-2002 19/16 or Level NAS 1638 10
Mass	4.5Kg

Key technical parameters and operating conditions for the HBV-L10F-00 valve.

Operating Pressures

20 MPa

Oil Input Pressure

12 MPa

Brake Pressure

0.5 MPa

Max Oil Return Pressure

Fluid Requirements

Parameter	Specification
Viscosity Range	10-380 mm ² /s
Temperature Range	-20°C to 100°C
Cleanliness (GB/T 14039-2002)	19/16
Cleanliness (NAS 1638)	10

