

# Hydraulic Check Valve

This hydraulic check valve ensures unidirectional flow, preventing backflow and maintaining system pressure. It is designed for simple piping layouts and allows high flow rates.



## Overview

### High-Performance Hydraulic Check Valve

This hydraulic check valve is designed for demanding applications, particularly in mining and construction machinery. It features a compact, robust construction that ensures reliable unidirectional flow and prevents backflow to maintain system pressure. Engineered for high flow rates and efficient operation, this valve is a critical component for systems requiring leak-free performance.

## Performance Metrics

#### Applications

- Mining machinery

#### Parameters

Return pressure (MPa)	Maximum: 1.2
Rated flow (L/min)	650
Check valve opening pressure (MPa)	1
Hydraulic oil	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	- 20-80
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)	35.5

Technical parameters and application data for the hydraulic check valve.

### Rated Flow

**650 L/min**

Rated Flow

### Pressure Specifications

Parameter	Value	Unit
Maximum Return Pressure	1.2	MPa
Opening Pressure	1	MPa

## Technical Details

### Operating Conditions

- Fluid temperature range: -20 to 80 °C
- Viscosity range: 10-380 mm<sup>2</sup>/s
- Fluid cleanliness: GB/T 14039-93 level 19/16 or NAS 1638 level 10

**Fluid Compatibility** Mineral oil (HL, HLP) in accordance with DIN 51 524

**Physical Specifications** 35.5 kg

## Features

### Key Features

Compact Design • High Reliability • Simple Piping Layout • High Flow Capacity