

Hydraulic Check Valve for Functional Modules

This hydraulic check valve is designed for integration with special functional modules. The valve maintains pressure and prevents backflow in hydraulic systems, ensuring efficient and safe operation.



Product Overview

High-Performance Hydraulic Valve Module

This hydraulic check valve is engineered for integration within special functional modules for mobile machinery. Designed to offer superior performance with low energy loss, the unit features an integrated throttle valve for precise flow control. Its compact footprint simplifies installation and maintenance, making it an ideal component for heavy-duty industrial and mobile hydraulic systems requiring high reliability.

Technical Specifications

Parameters

Return pressure (MPa)	Maximum:0.8
Rated flow (L/min)	300
Check valve opening pressure (MPa)	0.5
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)	6

Technical summary and operational parameters for the DXF25 hydraulic check valve module.

Key Performance Metrics

300 L/min

Rated Flow

0.8 MPa

Max Return Pressure

0.5 MPa

Opening Pressure

6 kg

Weight

Fluid and Environmental Specs

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

Application

Supported Equipment

Grader, Excavator, Forklift, Loader, Bulldozer, Hoisting Machinery, Mining Machinery

Features

Core Advantages

- Integrated throttle valve for low energy loss
- Compact design for simplified installation
- Corrosion-resistant construction
- Prevents backflow in hydraulic circuits