

Sectional Directional Hydraulic Control Valve



This sectional directional control valve is available with 1 to 10 sections. The control valve features an integrated inlet section to supply constant fluid flow and is equipped with a brake valve for operational safety.

Product Overview

High-Performance Sectional Control

The GFV15 Sectional Directional Control Valve is engineered for precise fluid management in compact hydraulic systems. Featuring a versatile sectional design that supports 1 to 10 sections, this valve simplifies complex piping and installation requirements. It is built to ensure operational safety and efficiency in demanding environments, making it an ideal choice for material handling and agricultural machinery.

Technical Specifications

Parameters

Rated pressure (MPa)	25
Rated flow (L/min)	65 (maximum flow: 75 L/min)
Pressure range of main safety valve (MPa)	10-25
Flow rate (L/min)	11-14
Pressure range of steering relief valve (MPa)	8-20
Actuating force (N)	140
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 14039-2002 level 19/16 or NAS 1638 level 10
Weight (kg)	9.5

Detailed technical parameters and operating limits for the GFV15 valve.

Fluid Requirements

- Mineral oil (HL, HLP) in accordance with DIN 51 524
- Fluid temperature range: -20 to 100 °C
- Viscosity range: 10-380 mm²/s
- Cleanliness: GB/T 14039-2002 level 19/16 or NAS 1638 level 10

Rated Pressure	25 MPa
Rated Flow	65 L/min
Maximum Flow	75 L/min
Actuating Force	140 N
Weight	9.5 kg

Design & Features

Integrated Features

Brake Valve • Overload Valve • Charge Valve • Integrated Inlet Section

Configuration Options

1-10 Sections, Parallel Circuit, Series-Parallel Circuit, Dual Circuit

Applications

● Applications

- 1-3 tons forklifts
- Agricultural tractor auxiliary function
- Material handling machinery
- Small sized loader, excavator

Designed for versatility across forklifts, tractors, and material handling equipment.

Suitable Applications

- 1-3 tons forklifts
- Agricultural tractor auxiliary functions
- Material handling machinery
- Small-sized loaders and excavators