

Hydraulic Pilot Valve Supply Unit

This hydraulic pilot valve supply unit diverts flow in steering and working hydraulic systems at low pressure drop. It can be integrated with a solenoid valve and serves as a substitute for a pilot pump.



Overview

High-Efficiency Hydraulic Pilot Control

This hydraulic pilot valve supply unit is designed to efficiently divert flow in steering and working hydraulic systems with minimal pressure drop. It serves as a compact and reliable substitute for traditional pilot pumps, offering stable output pressure and long holding times. The unit's versatile design allows for integration with solenoid valves to meet specific operational requirements in demanding industrial environments.

Key Performance Metrics

Performance Highlights

25 MPa

Max Input Pressure

16 L/min

Rated Flow

40 L/min

Instantaneous Flow

Technical Specifications

- Applications
 - Loader
 - Bulldozer
 - Hoisting machinery
 - Agricultural machinery
 - Material handling machinery

Parameters

Input pressure (MPa)	Maximum 25
Output pressure (MPa)	3.2
Unloading pressure (MPa)	4.5
Rated flow (L/min)	16
Hydraulic oil	Mineral oil (HL, HLP) in accordance with DIN 51 524
Fluid temperature range (°C)	- 20-80
Viscosity range (mm ² /s)	10-380
Fluid cleanliness	Not lower than NAS 1638 level 9
Weight (kg)	5.6

Detailed technical parameters including pressure ratings, flow rates, and fluid requirements for the feeding unit.

Pressure & Flow Ratings

Parameter	Value
Output Pressure	3.2 MPa
Unloading Pressure	4.5 MPa
Weight	5.6 kg

Operating Conditions

Fluid & Temperature Requirements

Property	Requirement
Hydraulic Oil Type	Mineral oil (HL, HLP) per DIN 51 524
Fluid Temperature Range	-20 to 80 °C
Viscosity Range	10-380 mm ² /s
Fluid Cleanliness	Not lower than NAS 1638 level 9

Applications

Compatible Machinery

Loader, Bulldozer, Hoisting Machinery, Agricultural Machinery, Material Handling Machinery, Mining Machinery, Underground Conveyors

Features

Key Features

- Small and compact design for simple installation
- Low pressure drop during flow diversion
- Stable output pressure with long holding time
- Integratable with solenoid valves
- Durable construction for harsh environments