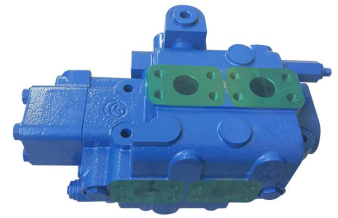


# Hydraulic Flow Amplifier

This hydraulic flow amplifier features a compact structure and large steering capacity. It converts a small flow into a large flow to simplify operation.



## Product Overview

### High-Efficiency Hydraulic Flow Amplification

This hydraulic flow amplifier is designed to optimize heavy machinery performance by converting small pilot flows into larger output flows, significantly simplifying operation. Its compact structure minimizes hydraulic shock while maximizing steering capacity and energy efficiency through load-sensing pilot control. Ideal for demanding industrial environments, it ensures precise control and full utilization of system energy.

## Key Performance Metrics

### Performance Metrics

**25 MPa**

Nominal Pressure

**160 L/min**

Nominal Flow Rate

**21 kg**

Unit Weight

## Technical Specifications

Output Flow Range	80-145 L/min
Operating Temperature Range	-20°C to 100°C
Viscosity Range	10-380 mm <sup>2</sup> /s

## Fluid Requirements

Recommended Hydraulic Oil	Mineral oil (HL, HLP) conforming to DIN 51 524
Fluid Cleanliness Standards	GB/T 14039-93 Level 19/16, NAS 1638 Level 10

## Applications

### ● Aplicaciones

- Cargadora
- Topadora
- Maquinaria de agricultura
- Equipo para manejo de material

### ● Parámetros

Presión nominal (MPa)	25
Caudal nominal (L/min)	160
Caudal de salida (L/min)	80-145
Aceite hidráulico	Aceite mineral (HL, HLP) conforme con DIN 51 524
Rango de temperatura de caudal (°C)	- 20-100
Rango de viscosidad (mm <sup>2</sup> /s)	10-380
Limpieza del fluido	No bajo que GB/T 14039-93 nivel 19/16 o NAS 1638 nivel 10
Peso (kg)	21

The ZLF25G flow amplifier is suitable for a wide range of heavy machinery including loaders and agricultural equipment.

## Compatible Machinery

Loaders • Bulldozers • Excavators • Agricultural Machinery • Material Handling Equipment

## Features

### Key Features

- Compact structure with high steering capacity
- Load-sensing pilot connection control
- Minimizes hydraulic shock during operation
- Energy-saving design for total power utilization
- Improves system efficiency by increasing oil flow to the steering cylinder