

# Hydraulic Accumulator Charging Valve

This hydraulic accumulator charging valve is designed for use in the hydraulic systems of forklifts and agricultural machinery. It facilitates efficient and reliable charging of hydraulic accumulators, ensuring optimal performance and responsiveness of hydraulic actuators.



## Product Overview

### Double Accumulator Charging Valve

The ACV-L25F is a precision-engineered double circuit charging valve designed for high-performance hydraulic systems. It ensures efficient and reliable charging of hydraulic accumulators, providing consistent hydraulic power for smooth operation in heavy-duty environments. Ideal for diverse industrial applications, this robust component enables accurate pressure regulation for optimal actuator responsiveness.

## Technical Specifications

### Технические характеристики

|                                              |                                                               |
|----------------------------------------------|---------------------------------------------------------------|
| Номинальный расход                           | 120л/мин                                                      |
| Утечка масла                                 | 9л/мин                                                        |
| Рабочее давление в контуре гидроаккумулятора | 20 МПа                                                        |
| Предел вязкости                              | 10-380 мм <sup>2</sup> /с                                     |
| Диапазон температур масла                    | -20°C--100°C                                                  |
| Чистота масла                                | Не ниже GB / T 14039-2002 класса 19/16 или NAS 1638 класса 10 |
| Масса                                        | 4.8кг                                                         |

Primary technical data and operating parameters for the hydraulic accumulator charging valve.

|                                               |           |
|-----------------------------------------------|-----------|
| <b>Nominal Flow Rate</b>                      | 120 l/min |
| <b>Working Pressure (Accumulator Circuit)</b> | 20 MPa    |
| <b>Oil Leakage</b>                            | 9 l/min   |
| <b>Mass</b>                                   | 4.8 kg    |

## Operating Conditions

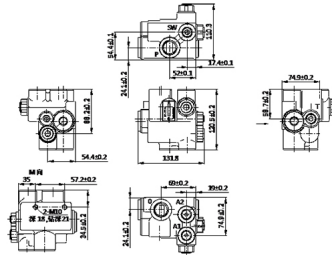
|                                 |                                                |
|---------------------------------|------------------------------------------------|
| <b>Oil Temperature Range</b>    | -20°C to 100°C                                 |
| <b>Viscosity Limit</b>          | 10-380 mm <sup>2</sup> /s                      |
| <b>Required Oil Cleanliness</b> | GB/T 14039-2002 class 19/16, NAS 1638 class 10 |

## Applications

### Typical Applications

- Heavy-duty forklifts
- Agricultural machinery
- Loaders
- Utility vehicles
- Forestry equipment
- Mining equipment

## Dimensions



Detailed dimensional drawing including port locations (P, SW, T, O, A2, A1) and mounting interface specifications.

### Key Dimensions

| Dimension | Value       |
|-----------|-------------|
| Length    | 131.8 mm    |
| Width     | 57.2±0.2 mm |
| Height    | 88.2±0.2 mm |