

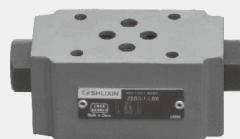


1.11

# Check valve pilot operated

## Type Z2S 6...L6X

Size 6  
Up to 315 bar  
Up to 60 L/min



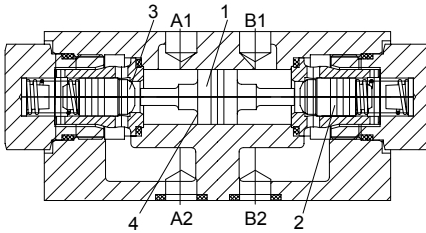
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### Features

- Sandwich plate valve
- Porting pattern to DIN 24 340 Form A, ISO 4401 and CETOP -RP 121 H
- Leakage-free closure for one or two actuator ports
- For use in sandwich stacking systems
- 3 different opening pressures, optional

## Function and configuration



- |          |           |
|----------|-----------|
| 1 Piston | 3 Area A1 |
| 2 Poppet | 4 Area A2 |

Type: Z2S6..-L6X/..

The check valve Z2S6 is a pilot operated check valve in sandwich plate design.

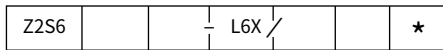
It is used for the leakage-free closure of one or two actuator ports even during long standstill periods.

Fluid flows freely in direction A1 to A2 or B1 to B2 and in the opposite direction the flow is blocked.

If fluid flows from A1 to A2, the piston (1) is moved to the right and pushes the poppet (2) off its seat, then the pressure fluid may flow from B2 to B1.

In order to make the reliable closure of the poppets (2) the ports must be connected to tank when the directional valve is in the central position (see circuit example).

## Ordering code



Check valve, hydraulically pilot operated, Size 6

Leak-free closure in channels A and B = -  
 Leak-free closure in channel A = A  
 Leak-free closure in channel B = B

Opening pressure 1.5bar = 1  
 Opening pressure 3bar = 2  
 Opening pressure 7bar = 3

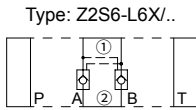
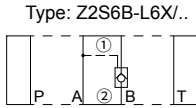
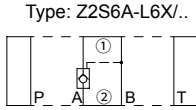
Further details in clear text

No code = Without pilot opening (Standard)  
 S055 = With pilot opening

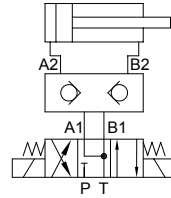
No code = NBR seals  
 V = FKM seals

L6X= Series L60 to L69  
 (L60 to L69: unchanged installation and connection dimensions)

**Symbols** (① = valve side, ② = sub-plate side)



**Circuit example**

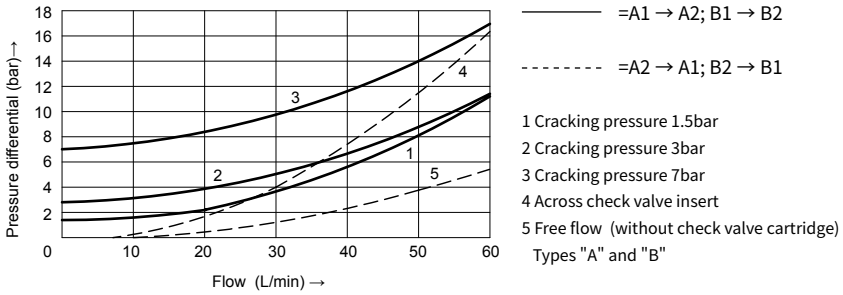


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**Technical data**

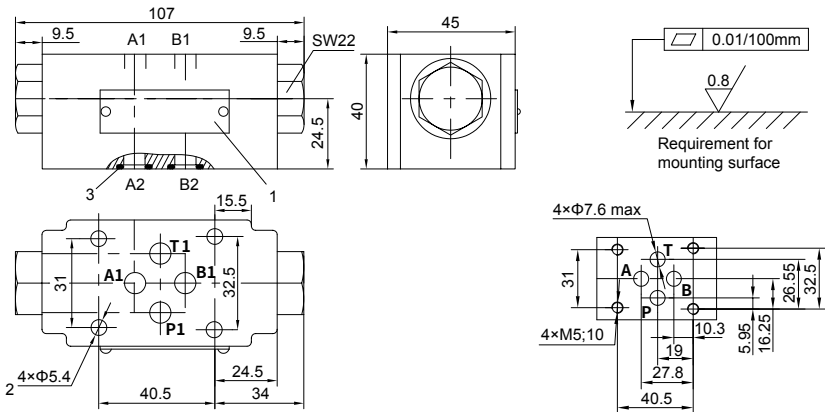
Fluid		Mineral oil suitable for NBR and FKM seal Phosphate ester for FKM seal
Degree of contamination		Maximum permissible degree of fluid contamination: Class 9. NAS 1638 or 20/18/15, ISO4406
Pressure fluid temperature range	°C	-30 to +80 (NBR seal) -20 to +80 (FKM seal)
Viscosity range	mm <sup>2</sup> /s	2.8 to 500
Operating pressure	bar	315
Max. flow-rate	L/min	60
Flow direction		See symbols
Flow freely opening pressure	bar	See curves
Ratio of areas		A1/A2=1/3
Weight	kg	Approx. 1.0

### Characteristic curves (Measured at $\vartheta_{oil}=40^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , using HLP46)



### Unit dimensions

(Dimensions in mm)



**It must be ordered separately, if connection plate is needed.**

**Type:**

G341/01(G1/4), G341/02 (M14×1.5)

G342/01(G3/8), G342/02(M18×1.5)

G502/01(G1/2), G502/02(M22×1.5)

1 Name plate

2 Valve fixing holes

3 O-rings 9.25×1.78 for ports A2, B2, P2, T2