

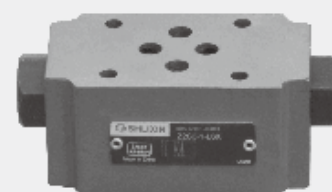


1.11

Check valve pilot operated

Type Z2S 6...L6X

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



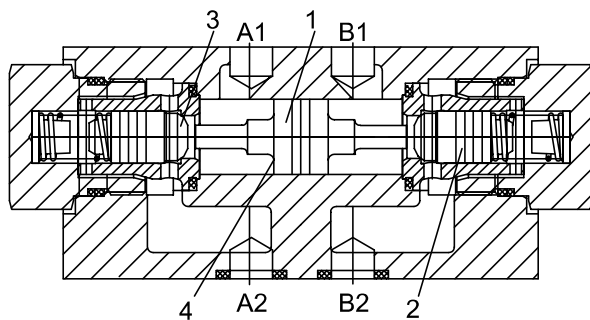
Contents

| | |
|-----------------------------|----|
| Function and configurations | 02 |
| Ordering code | 02 |
| Symbols | 03 |
| Technical data | 03 |
| Characteristic curves | 04 |
| Unit dimensions | 04 |

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
- 2 Poppet
- 3 Area A1
- 4 Area A2

Type: Z2S6...-L6X/..

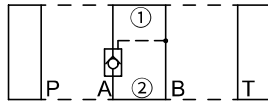
The check valve Z2S6 is a pilot operated check valve in sandwich plate design. It is used for the leakage-free closure of one or two actuator ports even during long standstill periods. Fluid flows freely in direction A1 to A2 or B1 to B2 and in the opposite direction the flow is blocked. If fluid flows 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

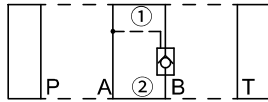
| | | | | | | |
|---|--|---|-----|---|------|---|
| Z2S6 | | - | L6X | / | | * |
| Check valve, hydraulically pilot operated, Size 6 | | | | | | Further details in clear text |
| Leak-free closure in channels A and B = - | | | | | | No code = Without pilot opening (Standard) |
| Leak-free closure in channel A = A | | | | | | S055 = With pilot opening |
| Leak-free closure in channel B = B | | | | | | No code = NBR seals |
| | | | | | | V = FKM seals |
| Opening pressure 1.5bar = 1 | | | | | L6X= | Series L60 to L69 |
| Opening pressure 3bar = 2 | | | | | | (L60 to L69: unchanged installation and connection dimensions) |
| Opening pressure 7bar = 3 | | | | | | |

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

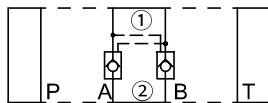
Type: Z2S6A-L6X/..



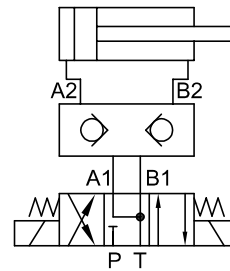
Type: Z2S6B-L6X/..



Type: Z2S6-L6X/..



Circuit example



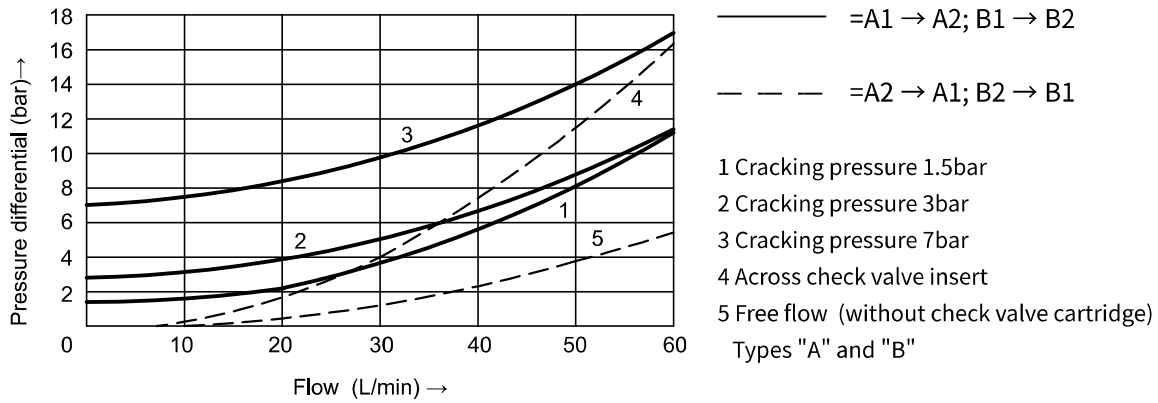
01

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 ² /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 |

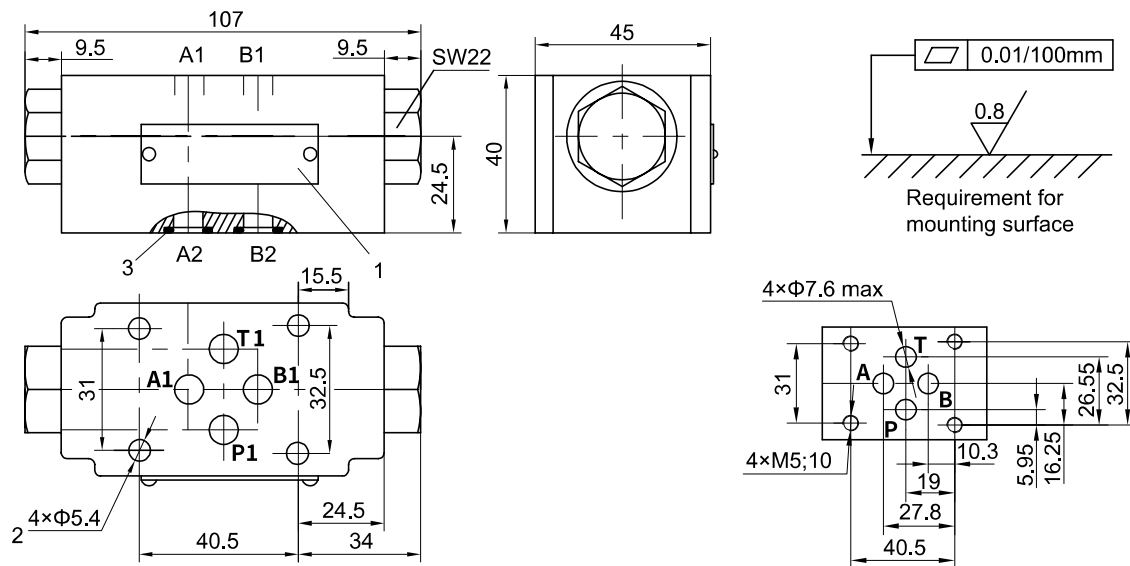
01

Characteristic curves (Measured at $\vartheta_{oil}=40^{\circ}C \pm 5^{\circ}C$, 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