

## Modular Check Valve

Model: Z1S10...3X



- ◆ Size 10
- ◆ Maximum working pressure 315 bar
- ◆ Maximum working flow 100 L/min

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### Features

- Modular type valve
- For vertical stacking installation

This valve has a metallic seal between the conical spool (3) and the valve body (1). Therefore, it is particularly suitable for condition of working pressure higher than 100bar and the flow rate greater than 4m/s.

[illegible]

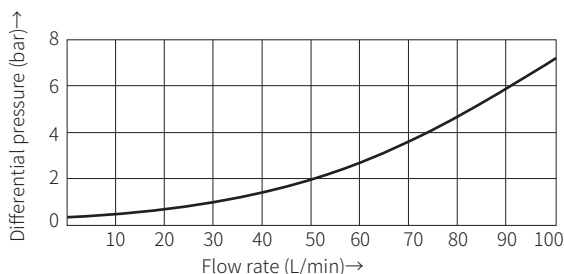
| Overview                         |                    |                                                                                                                                                                                                                                                |
|----------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                           | kg                 | 0.8                                                                                                                                                                                                                                            |
| Installation position            |                    | Optional                                                                                                                                                                                                                                       |
| Environment temperature range    | °C                 | -20 to +80                                                                                                                                                                                                                                     |
| Hydraulic                        |                    |                                                                                                                                                                                                                                                |
| Maximum working pressure         | bar                | 315                                                                                                                                                                                                                                            |
| Cracking pressure — Metal-sealed |                    | 0.5; 3; 5                                                                                                                                                                                                                                      |
| Maximum flow                     | L/min              | 40                                                                                                                                                                                                                                             |
| Flow rate — Metal-sealed         | m/s                | >4                                                                                                                                                                                                                                             |
| Pressure medium                  |                    | Mineral oil (HL, HLP) <sup>1)</sup> in accordance with DIN 51524; Fast living organisms degraded oil according to VDMA 24568; HETG (Rapeseed oil) <sup>1)</sup> ; HEPG(Polyethyleneglycol) <sup>2)</sup> ; HEES (Synthetic Fats) <sup>2)</sup> |
| Oil temperature range            | °C                 | -20 to +80                                                                                                                                                                                                                                     |
| Viscosity range                  | mm <sup>2</sup> /s | 2.8 to 500                                                                                                                                                                                                                                     |
| Cleanliness of oil               |                    | The maximum allowable pollution level of oil is ISO4406 Class 20 / 18 / 15                                                                                                                                                                     |

- [www.belimportsna.by](http://www.belimportsna.by)

## Characteristic curve

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

$\Delta p$ -q Characteristic curve (A1 to A2)

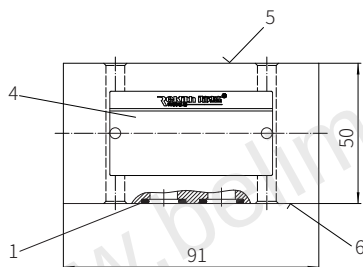


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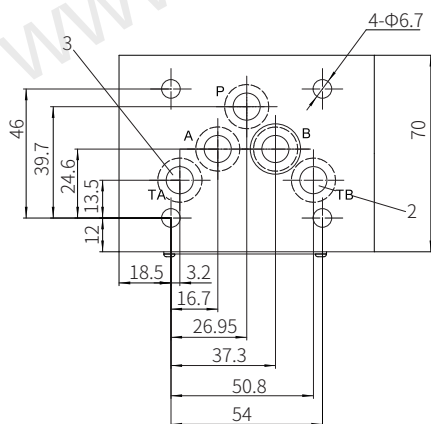
## Component size

Size unit: mm

Model Z1S10...-3XJ/...



- 10 ring 12x2 (for oil port A, B, P, TA, TB)
- 2 This port is blocked for "F" and "T" type valves
- 3 In "F" and "T" type valves, the check valve is installed in this channel
- 4 Name plate
- 5 Valve side
- 6 Subplate side



Valve fixing screw (need to be ordered separately)  
M6-10.9 grade GB/T70.1-2000  
Tightening torque  $M_A = 13.7\text{Nmm}$

