

## Hydraulic-operated Check Valve

Model: SV/SL6...6X



- ◆ Size 6
- ◆ Maximum working pressure 315 bar
- ◆ Maximum working flow 60 L/min

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### Features

- Hydraulic-operated check valve
- Connection dimensions according to DIN 4401-03-02-0-05
- Subplate mounting
- With or without drain port as required
- With or without pre-opening port as required
- Various opening pressures

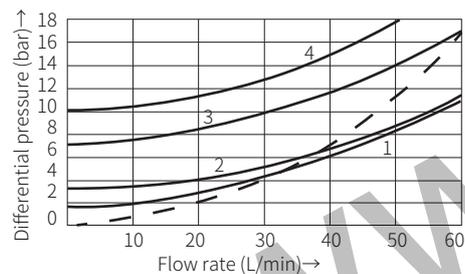


Technical Parameters

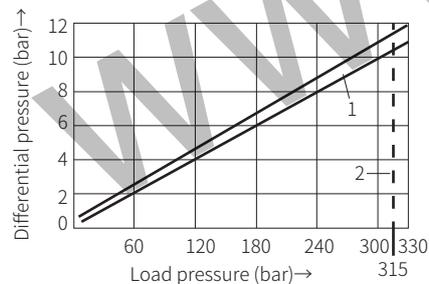
|   |                            |   |
|---|----------------------------|---|
| Weight  | kg                         | About 0.8   |
| Installation location   |                            | Optional  |
| Flow direction  |                            | Free flow from A to B, flow from B to A under hydraulic operation |
| Environment temperature range   | °C                         | -30 to +80 (NBR seal)<br>-20 to +80 (FKM seal)                    |
| Maximum working pressure  | bar                        | 315   |
| Maximum flow  | L/min                      | 60  |
| Pilot pressure  | bar                        | 5 to 315  |
| Viscosity range   | mm <sup>2</sup> /s         | 2.8 to 500  |
| The maximum allowable pollution level of hydraulic oil - cleanliness class 20/18/15 to ISO 4406 |                            |   |
| Pilot flow  | Oil port X                 | cm <sup>3</sup> 0.68  |
|   | Oil port Y (model SL only) | cm <sup>3</sup> 0.58  |
| Control area ratio  | Model "A"                  | A3/A2:1/13  |
|   | Model "B"                  | A1/A2:1/3<br>A4/A2:1/7  |

Characteristic curve

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



— A to B  
 1 Cracking pressure 1.5 bar  
 2 Cracking pressure 3 bar  
 3 Cracking pressure 7 bar  
 4 Cracking pressure 10 bar  
 - - - B to A

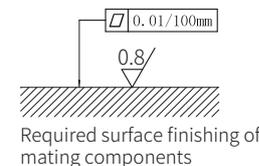
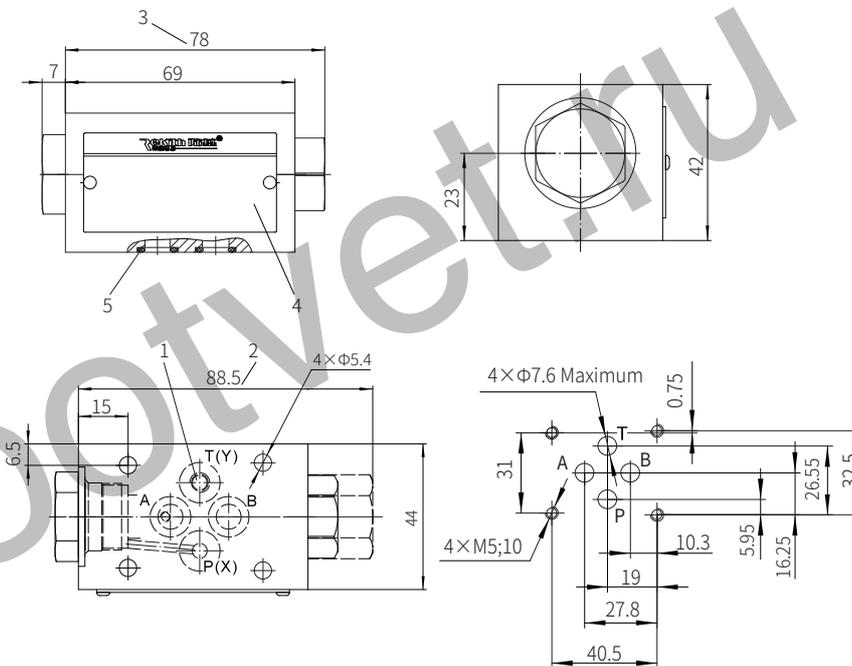


1 Tolerance zone  
 2 Limit value

Component size

Size unit: mm

Model SV/SL6...6XJ/...



- 1 Port Y (M6; closed for model SV)
- 2 Size of model SV/SL6PA
- 3 Size of model SV/SL6PB
- 4 Name plate
- 5 O-ring 9.25X1.78

It must be ordered separately if connection subplate is needed.  
 Subplate model:  
 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)

Valve fixing screw  
 M5x50-10.9 grade GB/T70.1-2000  
 Tightening torque  $M_A = 7.8\text{Nm}$