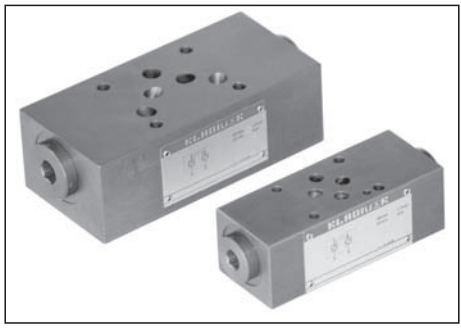


# CHECK VALVE type VP-NOV

- NS-6, 10
- to 350 bar
- to 100 l/min
- Direct operated
- Connecting dimensions to ISO 4401
- Flow shut-off in both or one service line
- For vertical stacking - sandwich plate design
- Height and width of the valves to ISO 7790 norms



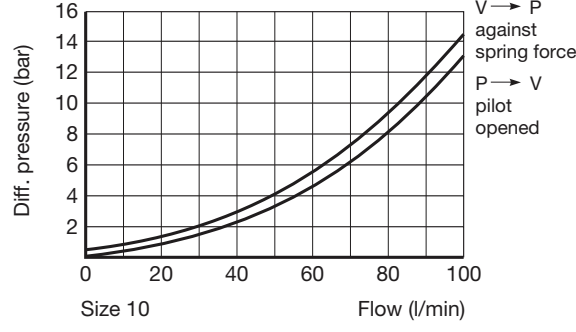
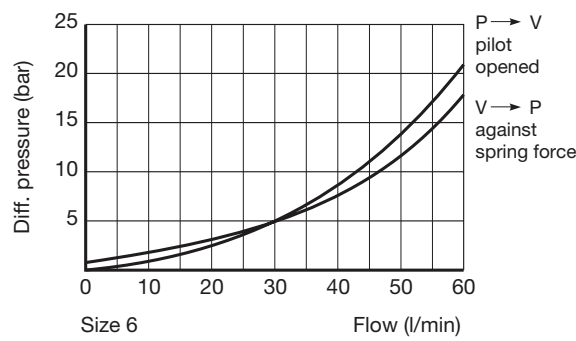
VP-NOV-10-..., VP-NOV-6-..

## Description of operating

Pilot operated check valves type VP-NOV enable the hydraulic fluid flow in the service lines to be automatically shut off and made free, respectively. Free flow direction is always from the valve side "V" to the subplate side "P". In the opposite direction is the valve blocked for the hydraulic fluid flow. Free flow in port A in direction P to V is achieved by means of pressure in port B, and vice versa. To assure zero leakage there is necessary to discharge ports A and B towards T in the zero position of the directional valve.

## Performance curves

$\Delta p - Q$  Performance curves of the flow in direction V to P (through check valve) and in direction P to V (check valve pilot opened with  $p_p=80$  bar). Measured at  $t = 50^\circ\text{C}$  and  $\nu = 32 \text{ mm}^2/\text{s}$



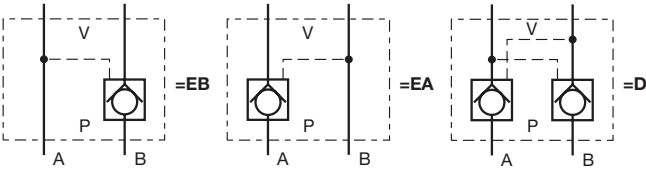
## Ordering code

VP-NOV- - - -\*

- Size
- Check valve in port
- Seal type
- Special requirements to be briefly specified

Size	Seal type	
Size 6 = 6	NBR seals for mineral oil	= no desig.
Size 10 = 10	HL, HLP, to DIN 51524	
	FPM seals for HETG,	= E
	HEES, HEPG to VDMA 24568	
	and ISO 15380	

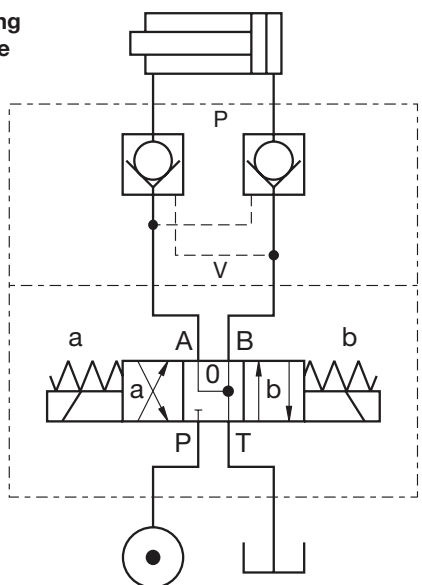
## Check valve in port (symbol)



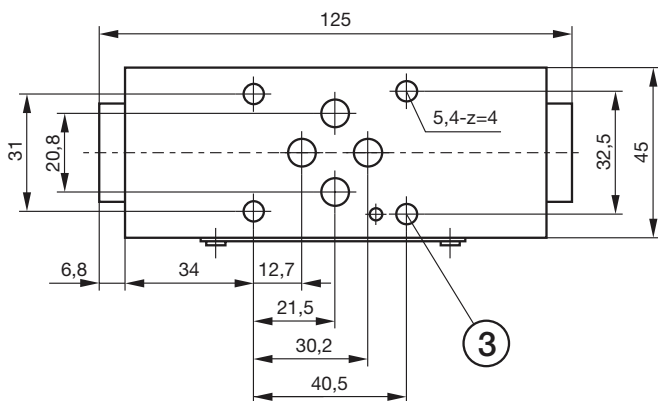
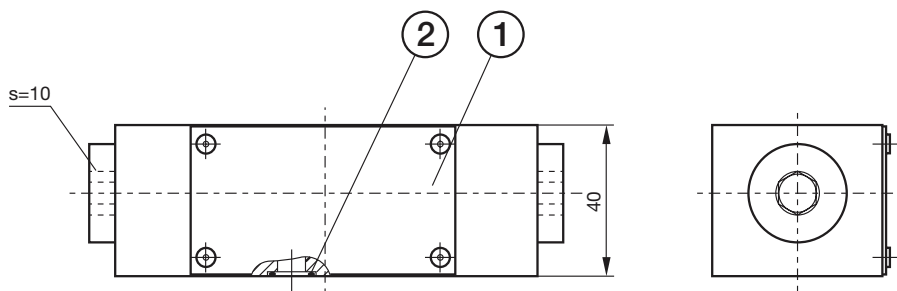
## Technical data

Size		6	10
Flow rate	l/min	60	100
Operating pressure	bar	350	350
Cracking pressure	bar	1	0,5
Area ratio		1:3,9	1:3,6
Oil temperature range	$^\circ\text{C}$	-20 to +70	-20 to +70
Viscosity range	$\text{mm}^2/\text{s}$	15 to 380	15 to 380
Filtration	NAS 1638	8	8
Mass	kg	1,8	3,5

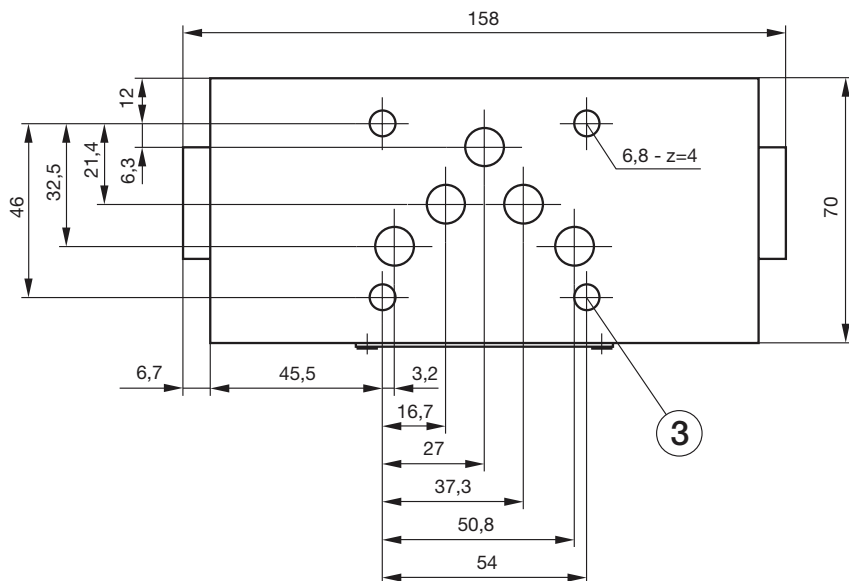
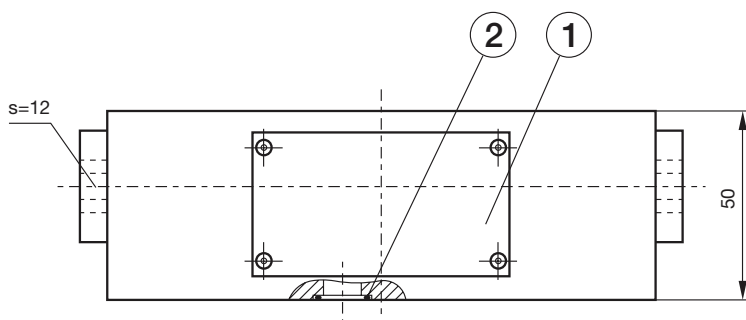
## Mounting example



Dimensions (mm)

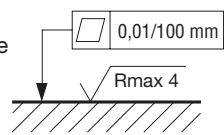


1. Nameplate
2. O-ring  $\varnothing 9,25 \times 1,78$ -4 pcs
3. Fixing bores for fixing screws M5

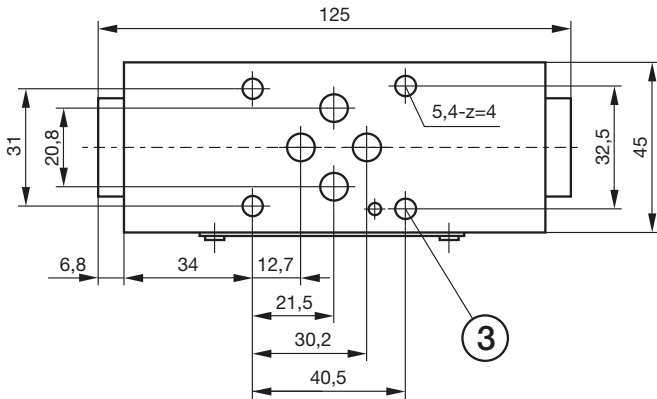
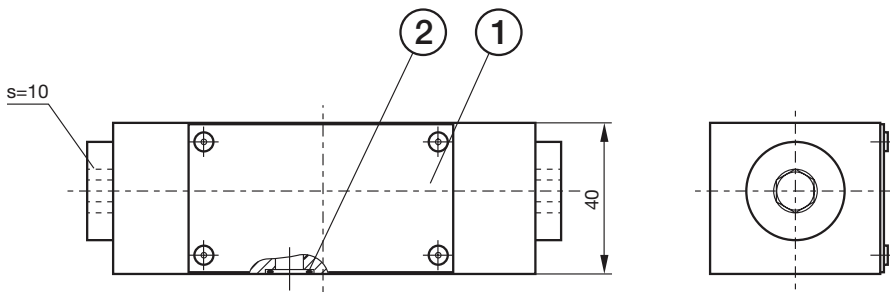


1. Nameplate
2. O-ring  $\varnothing 12,42 \times 1,78$ -5 pcs
3. Fixing bores for fixing screws M6

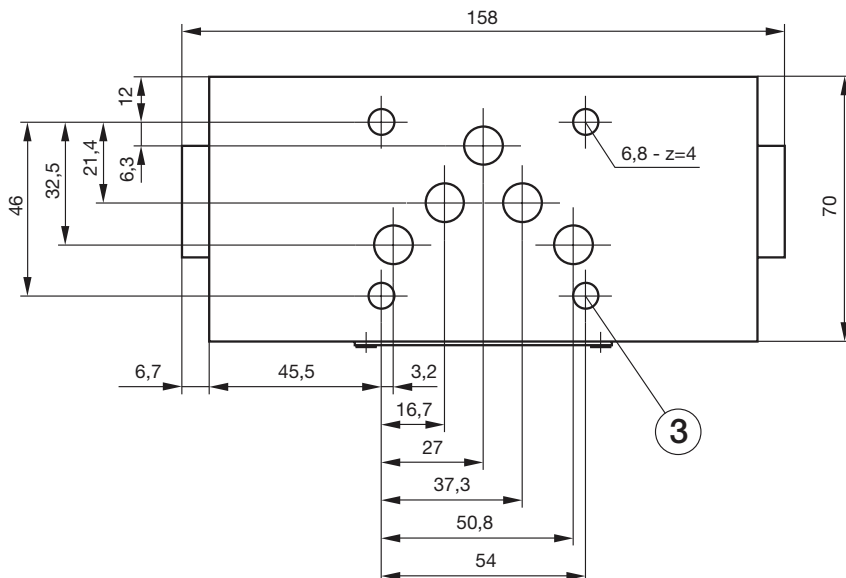
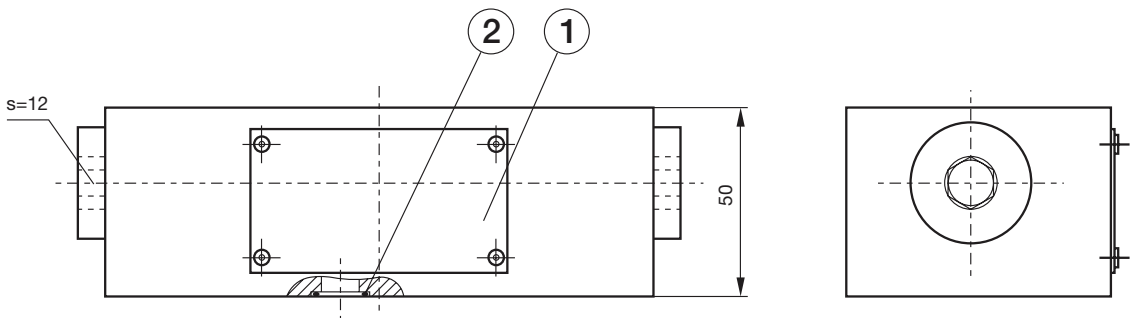
Required quality of the mating surface



Dimensions (mm)



1. Nameplate
2. O-ring  $\varnothing 9,25 \times 1,78$ -4 pcs
3. Fixing bores for fixing screws M5



1. Nameplate
2. O-ring  $\varnothing 12,42 \times 1,78$ -5 pcs
3. Fixing bores for fixing screws M6

Required quality of the mating surface

