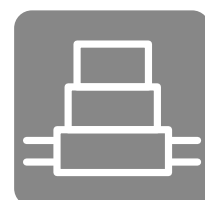
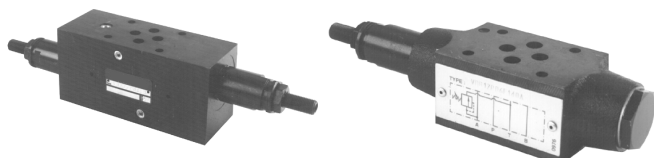


# Intermediate plates with pressure-limiting valve type VDB (size 6)

operating pressure  $p_{\max}$  320 bar  
 volume flow  $V_{\max}$  40 L/min



## Product characteristics

Pressure-limiting valves belong to the group of pressure valves. They protect against exceeding the maximum permissible system pressure or limit the working pressure.

- pressure limitation optionally in:
  - line A
  - line B
  - line P
  - lines A and B
- adapted for mounting on hydraulic power units type H6

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## Technical data

### General

### General

type	design	weight [kg]	ambient temperature [°C]	mounting position	connection size
poppet valve, directly controlled	subbase mounted valve	VDB1ZP06_ : 1.15 VDB2ZP06_ : 2.15	-30 to +50	arbitrary	ISO4401-03-02-0-05 (NG06)

### Hydraulic parameters

Hydraulic fluid: mineral oil according to DIN 51524, other media on request

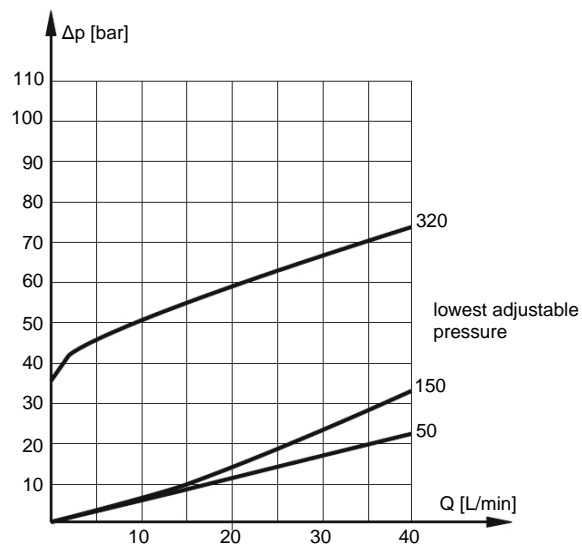
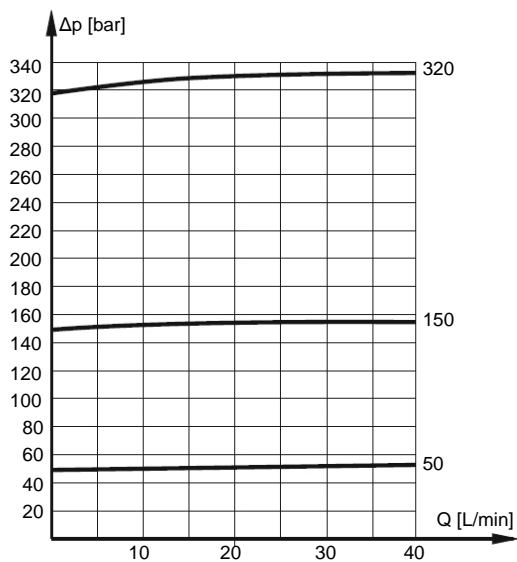
max. operating pressure	320 bar
max. volume flow	40 L/min
hydraulic fluid temperature	-25 to +70 °C
viscosity	10-600 mm <sup>2</sup> /s
permissible degree of pollution	max. class 22/19/16 according ISO 4406
filter recommendation	filter retention rate $\beta_{25} > 75$

### Actuation

actuation types	mechanically (see order information)
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## Characteristic lines

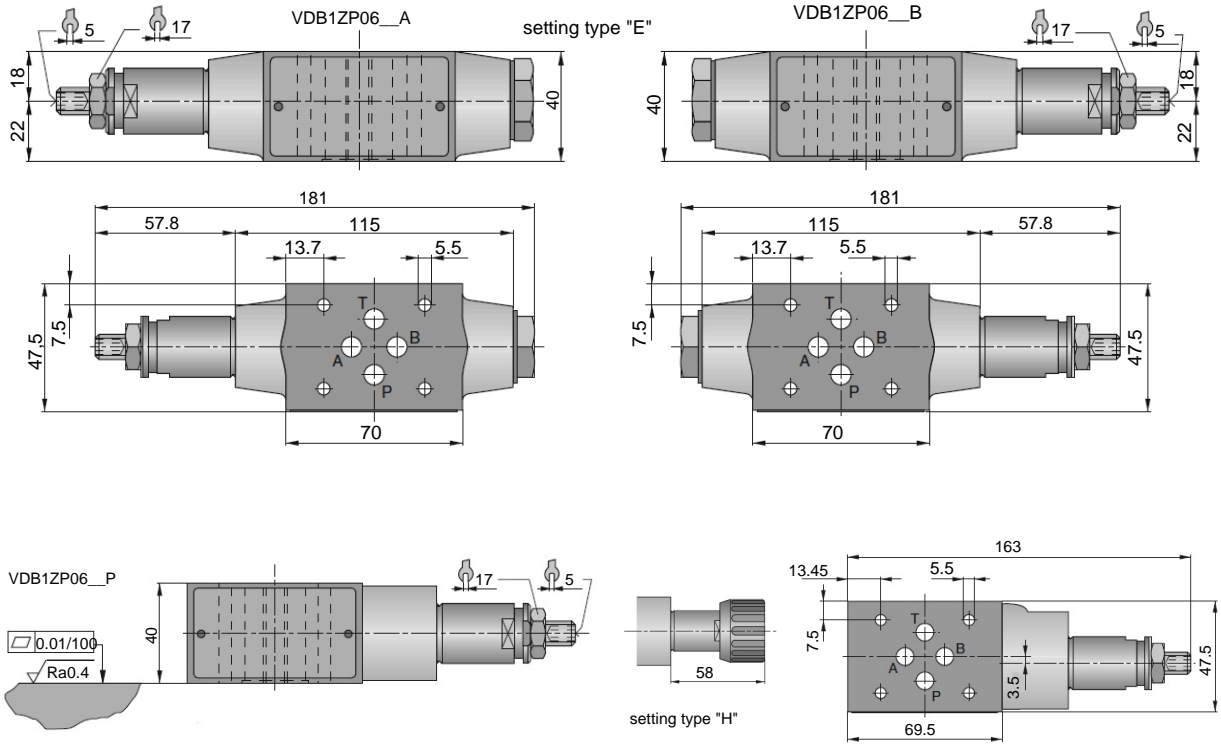
measured at +50 °C temperature of hydraulic fluid, viscosity 35 mm<sup>2</sup>/s, tolerance ±5 %



## Dimensions and connections

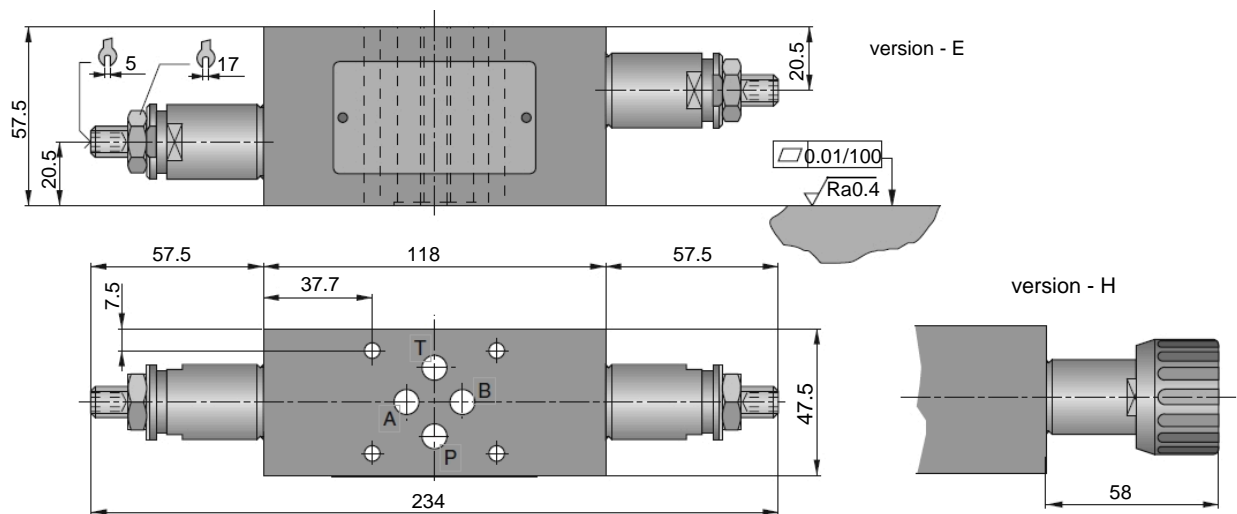
Dimensions are given in mm.

### VDB1ZP06\_



4 O-rings 9.25 x 1.78 are included in the delivery

### VDB2ZP06\_



4 O-rings 9.25 x 1.78 are included in the delivery

## Order information

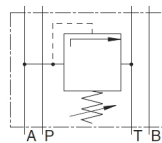
### Type code

VDB 1 ZP06 E 250 B

pressure control in

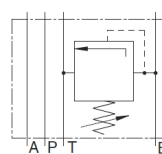
A

A → T



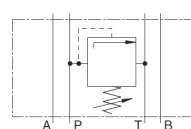
B

B → T



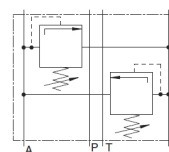
P

P → T



AB\*

A → B; B → A



\*VDB2\_ only

pressure ranges	100	2-100 bar
	150	5-150 bar
	320	50-320 bar

setting type	E	with hexagonal key
	H	with handwheel

size ZP06 hole pattern according ISO4401-03-02-0-05 (NG06)

number of pressure limiting valves in housing	VDB1	pressure-limiting valve in line A, line B, or line P
	VDB2	pressure-limiting valve in line A and line B

type intermediate plate for pressure-limiting valve

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