

Intermediate plates with pressure-limiting valve type VDB (size 10)

operating pressure p_{\max} 350 bar
 volume flow V_{\max} 80 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
- adapted for mounting on hydraulic power units type H6

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Technical data

General

type	seated valve, directly controlled
design	intermediate plate valve
weight	2.5 kg
ambient temperature	-30 to +50 °C
mounting position	arbitrary
connection size	ISO4401-05-04-0-05 (NG06)

Hydraulic parameters

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

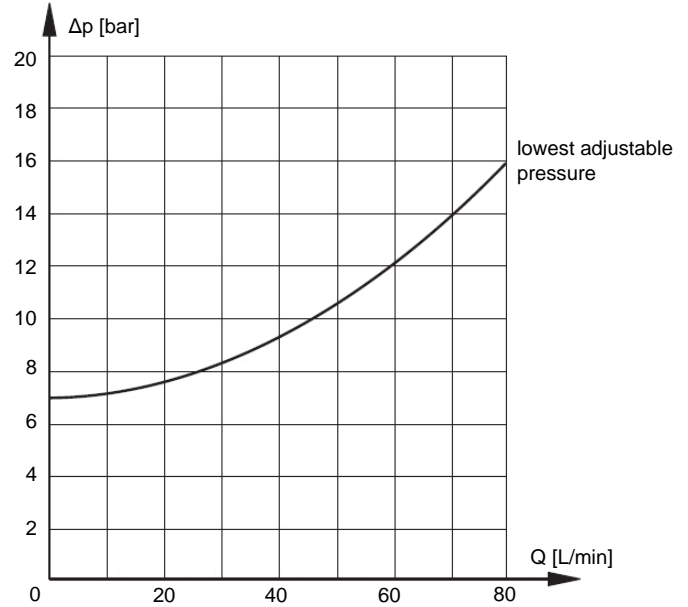
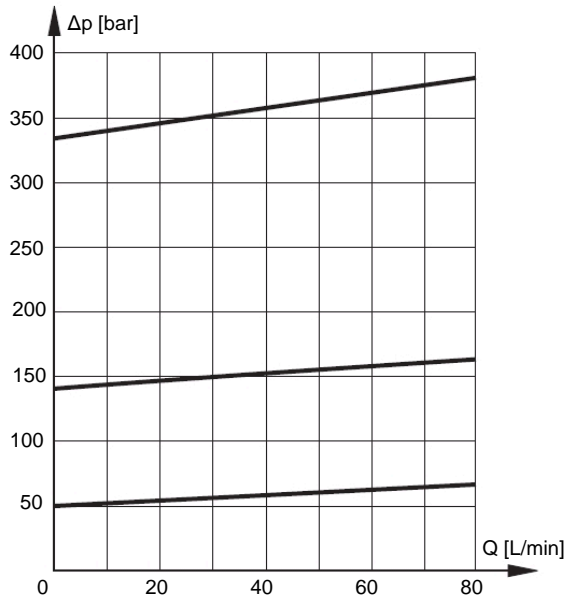
max. operating pressure	350 bar
max. volume flow	80 L/min
hydraulic fluid temperature	-25 to +70 °C
viscosity	10-600 mm ² /s
permissible degree of pollution	max. class 22/19/16 according ISO 4406
filter recommendation	filter retention rate $\beta_{25} > 75$

Actuation

type of actuation	mechanical (see order information)
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Characteristic lines

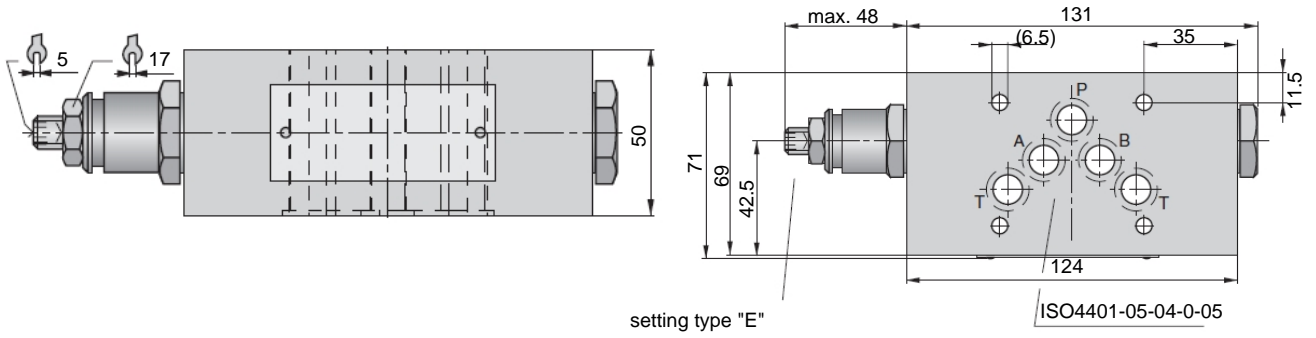
measured at +50 °C temperature of hydraulic fluid, viscosity 35 mm²/s, tolerance ±5 %



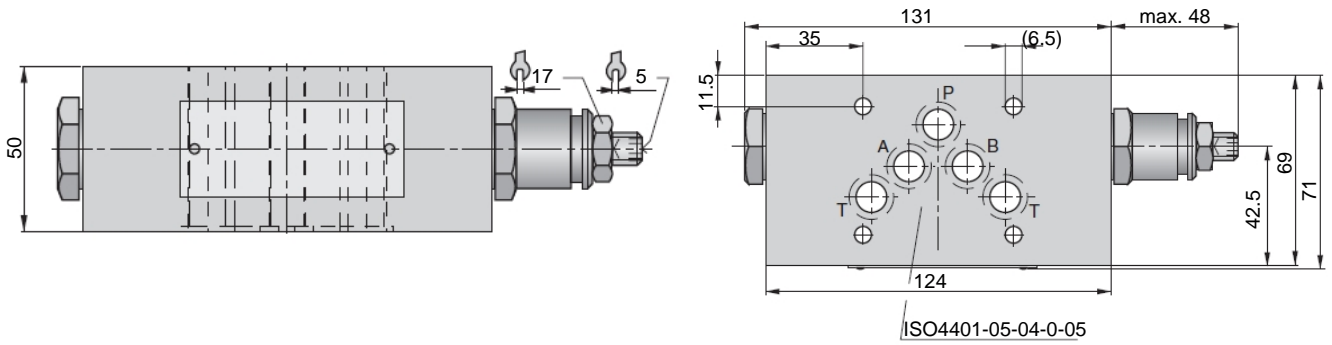
Dimensions and connections

Dimensions are given in mm.

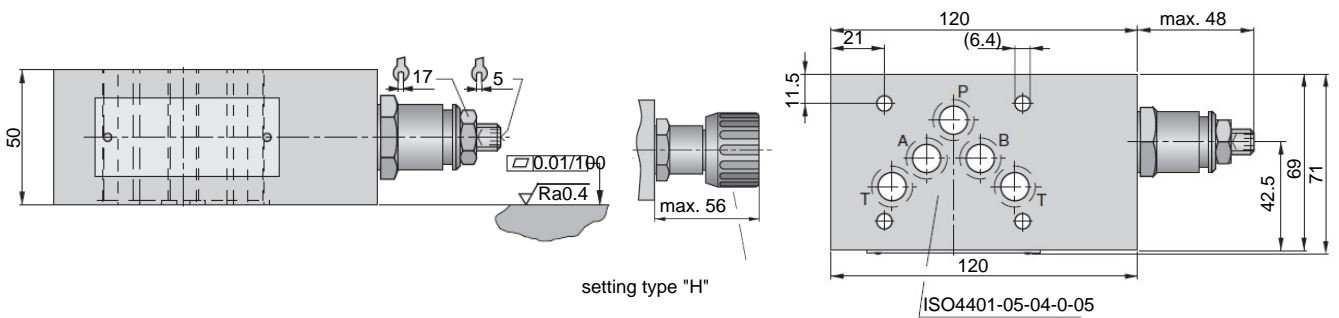
VDB1ZP10E_A



VDB1ZP10E_B



VDB1ZP10E_P



5 O-rings 12.42 x 1.78 are included in the delivery.

Order information

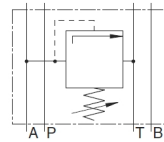
Type code

VDB 1 ZP10 E 140 B

pressure control in

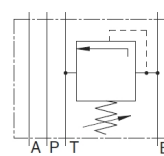
A

A → T



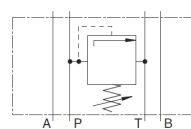
B

B → T



P

P → T



pressure ranges

050	max. 50 bar
140	max. 140 bar
350	max. 350 bar

setting type

E	with hexagonal key
H	with handwheel

size ZP10 hole pattern according ISO4401-05-04-0-05 (NG10)

number of pressure-limiting valves

type intermediate plate for pressure-limiting valve

HAWE Hydraulik SE

Einsteinring 17 | 85609 Aschheim/München | Postfach 11 55 | 85605 Aschheim |
Germany Tel +49 89 379100-1000 | Fax +49 89 379100-91000 | info@hawe.de | www.hawe.com