
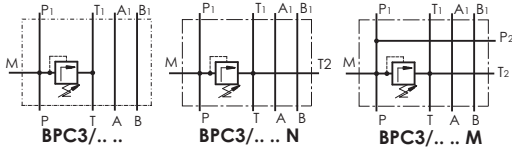

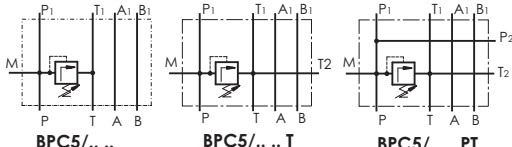

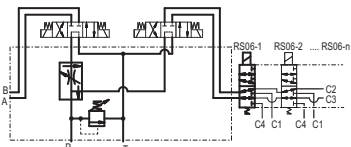

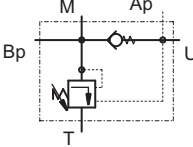
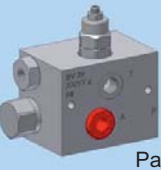
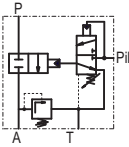

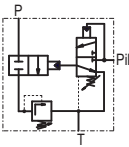
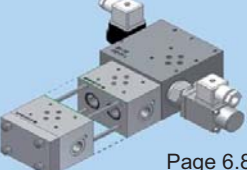
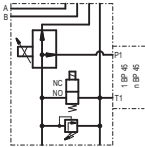

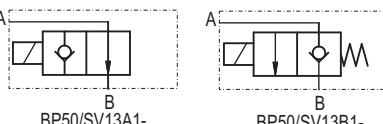

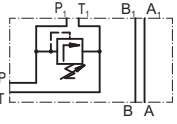




VALVE BLOCKS

 Page 6.1	<p style="text-align: center;">BPC3/... ..</p>  <p style="text-align: center;">BPC3/... .. BPC3/... .. N BPC3/... .. M</p>
 Page 6.2	<p style="text-align: center;">BPC5/... ..</p>  <p style="text-align: center;">BPC5/... .. BPC5/... .. T BPC5/... .. PT</p>
 Page 6.3	<p style="text-align: center;">BV 47</p> 
 Page 6.4	<p style="text-align: center;">BVU 12.</p> 
 Page 6.6	<p style="text-align: center;">BV39</p> 
 Page 6.7	<p style="text-align: center;">BV39A</p> 
 Page 6.8	<p style="text-align: center;">BV 72...BP45-M1C3/38</p> 
 Page 6.9	<p style="text-align: center;">BP50/SV13... ..</p>  <p style="text-align: center;">BP50/SV13A1... .. BP50/SV13B1... ..</p>
 Page 6.10	<p style="text-align: center;">BV 99/ .. (To be connected only to RS06...)</p> 

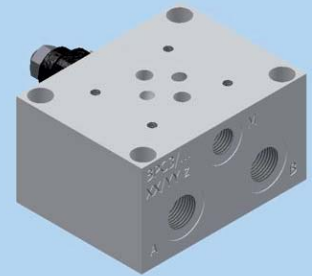


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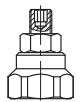
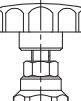
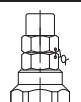
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e-mail : info@hpt-bg.com
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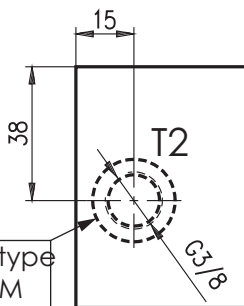
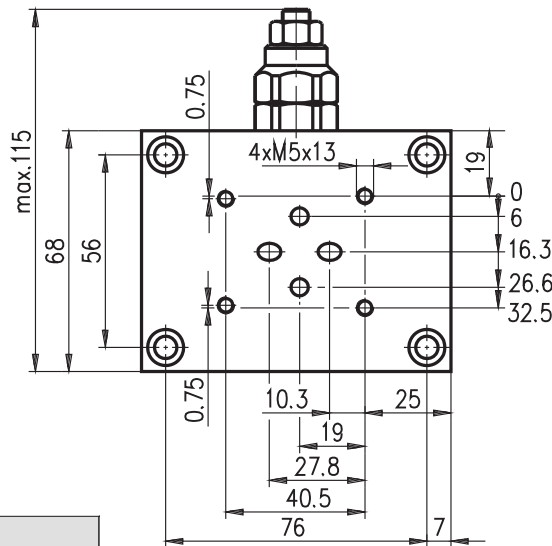
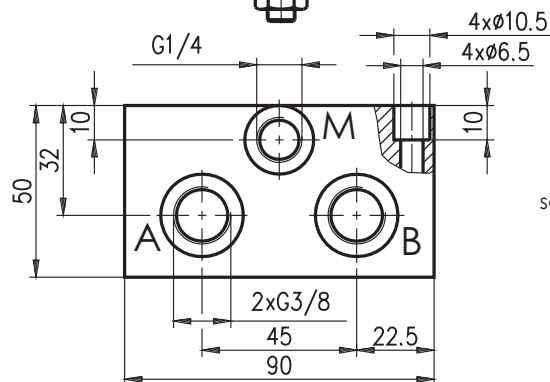
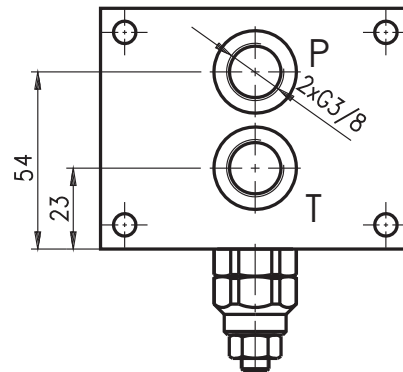
VALVE BLOCKS

BPC3/

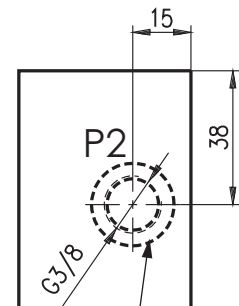
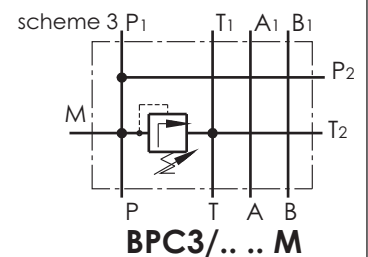
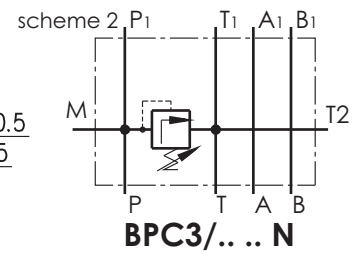
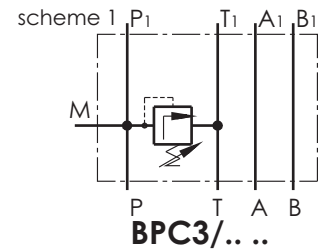


All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C
Temperature range: -20 °C...+80°C.
Filtration absolute: 25 µm

Code	Adjustment
A	Leakproof hex. socket screw 
B	Handknob and locknut 
C	Sealing cap 



Only for type
BPC3/...M
BPC3/...N



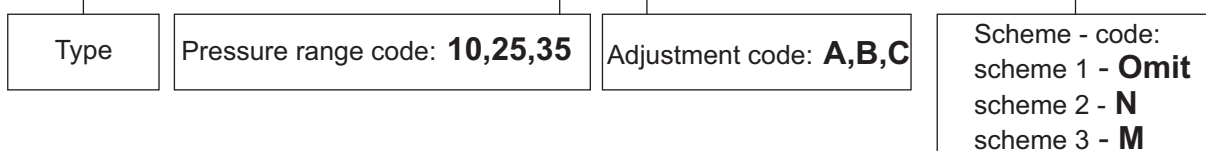
Only for type
BPC3/...M

Pressure range			
Code	Standard setting bar (Q=5l/min)	Adj. pressure range bar	Colour
10	80	10...100	White
25	180	30...250	Yellow
35	250	70...350	Black

Type	P _{max.}	Q _{max.}
	bar	L/min
BPC3/... . . .	350	20

ORDERING CODE

BPC3 / 25 A M





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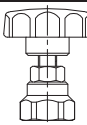
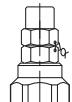
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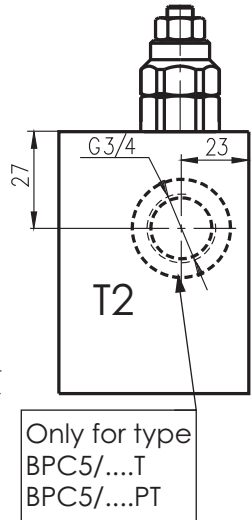
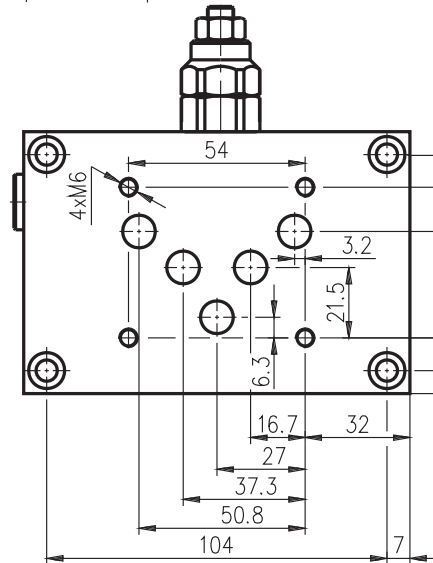
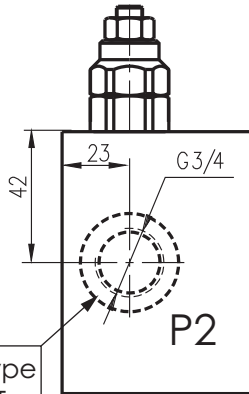
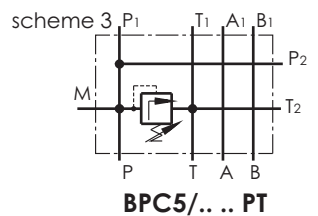
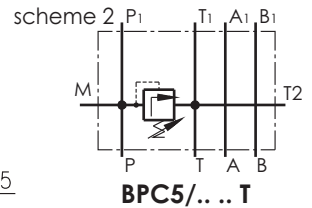
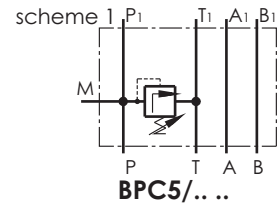
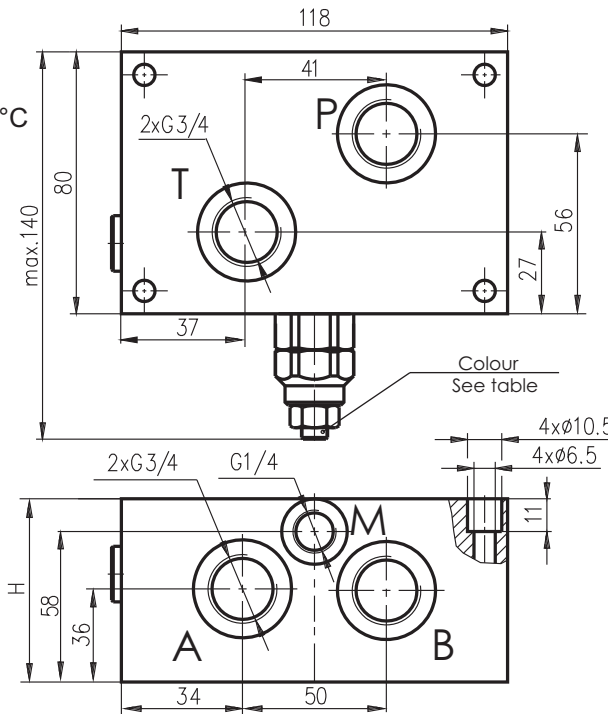
VALVE BLOCKS

BPC5/ ...



All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50 °C
Temperature range: -20 °C...+80 °C.
Filtration absolute: 20 µm

Code	Adjustment
A	Leakproof hex. socket screw 
B	Handknob and locknut 
C	Sealing cap 

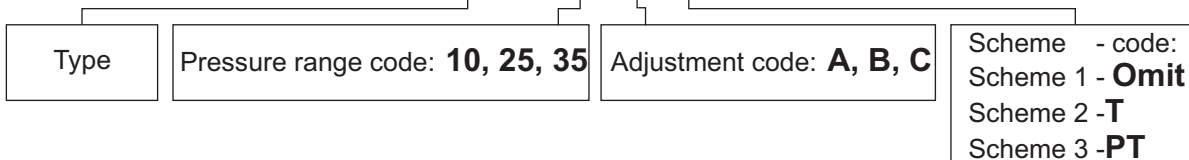


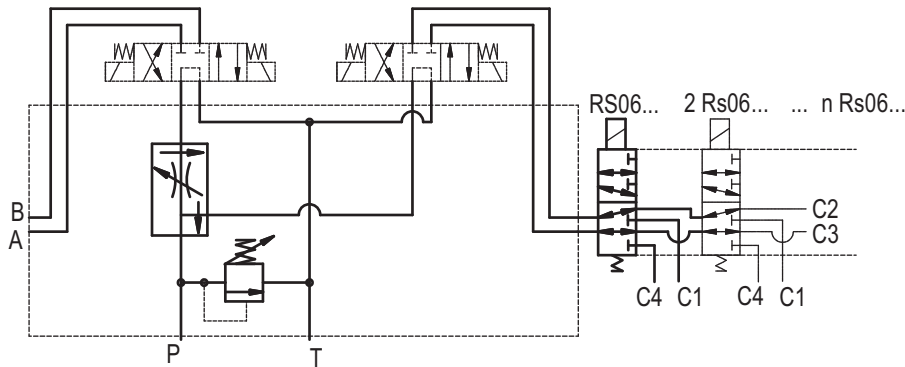
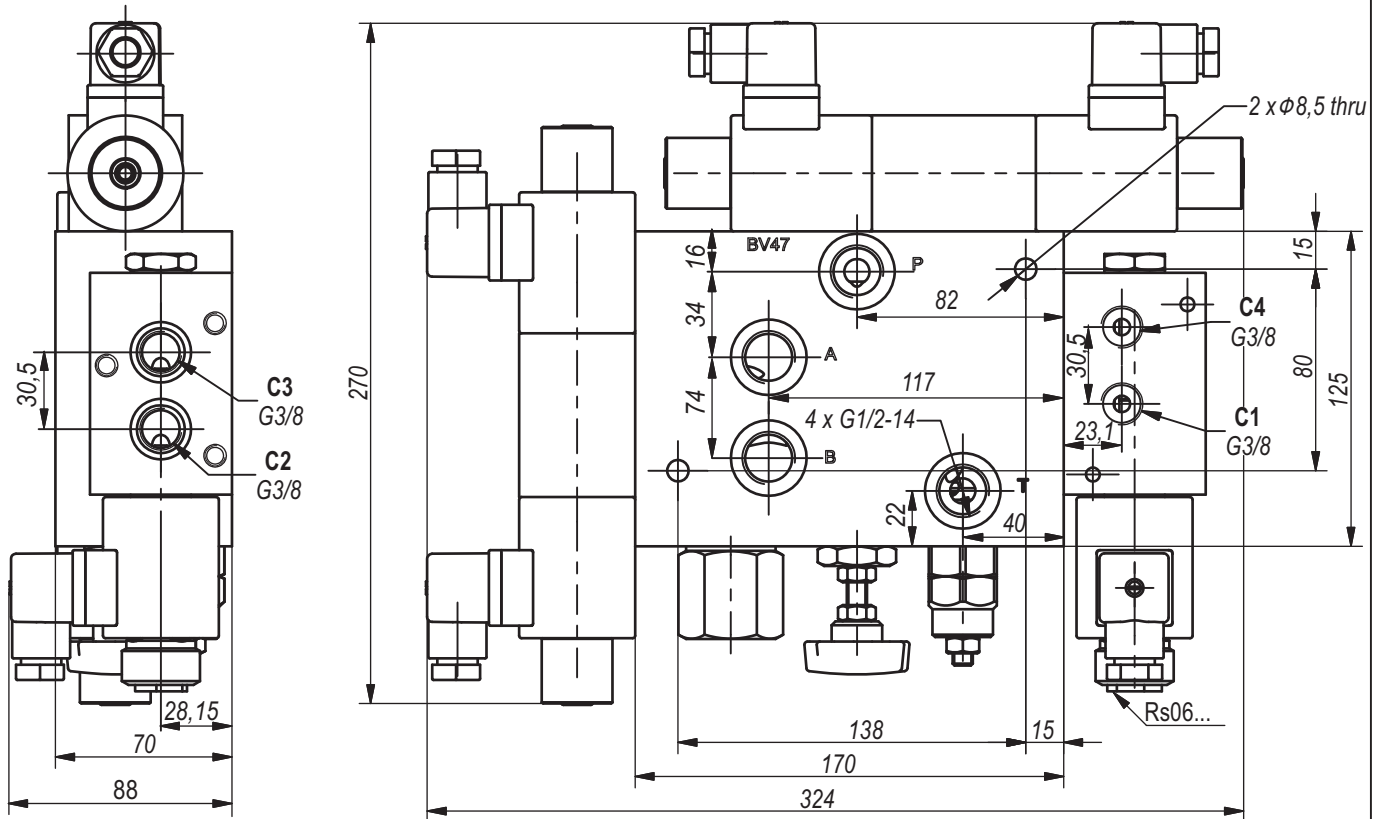
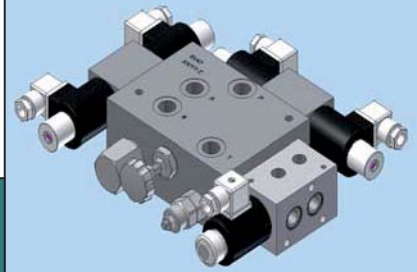
Pressure range			
Code	Standard setting bar (Q=5l/min)	Adj. pressure range bar	Colour
10	80	10...100	White
25	180	30...250	Yellow
35	250	70...350	Black

Type	P _{max.} bar	Q _{max.} L/min	H mm
BPC5/... ..	350	80	58
BPC5/... .. T	350	80	58
BPC5/... .. PT	350	80	68

ORDERING CODE

BPC5 / 25 A T





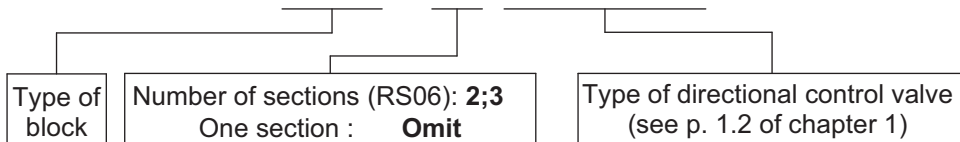
All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50°C
Temperature range: -20...+80°C
Filtration absolute: 25 μm

TECHNICAL DATA

	Measurement unit	Value
Adj. pressure range of relief valve	bar.	30...250
Standard setting	bar	120
Nominal flow rate of P and T	L/min	40
Nominal flow rate of A and B	L/min	25
Power supply	V DC	12,24

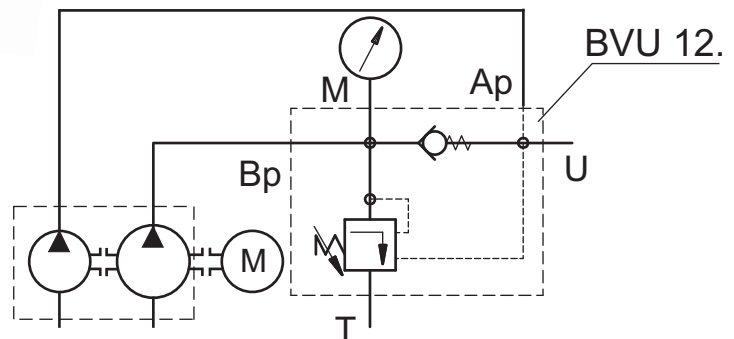
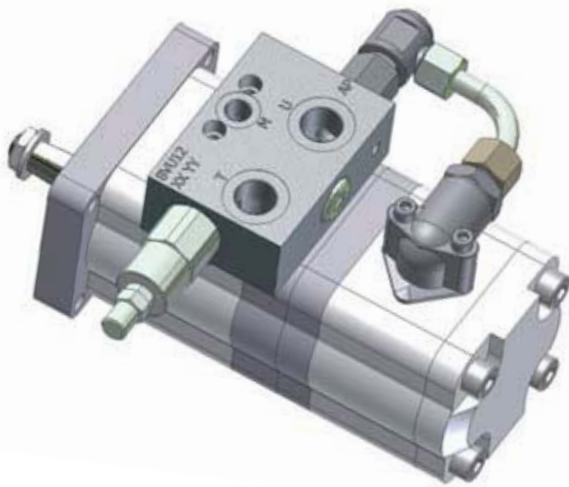
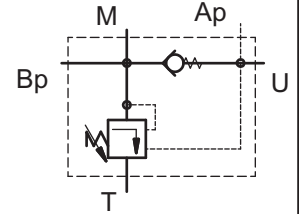
ORDERING CODE

BV 47 / 1 RS06V38/12





Many systems require a high volume at low pressure for rapid traverse of a vise or tool, and then low volume, high pressure for clamping or feeding. This can be accomplished by a hi-low circuit using two pumps. During rapid traverse, both pumps supply the system. When pressure rises during clamping or feed, the large-volume main pump unloads, and the small pump maintains pressure. Output flow of the small pump is low enough to prevent heating of the oil.



Block BVU12 is designed to be used in hydraulic systems with tandem gear pumps series 20. It is mounted directly on one of the pumps by two bolts. The function of the block is to unload the pump on which it is mounted, by connecting its inlet with the port T. This happens when the adjusted pressure of the cartridge unloading valve is reached. The second pump remains connected to the system to maintain pressure. In case of pressure reduction below the adjusted rate, the unloaded pump reconnects to the system.

TECHNICAL DATA			
		at port Ap	at port Bp
Max working pressure	bar	210	80
Maximum flow rate	L/min	15	45
Adj. pressure range	bar		20...80

Note:

1. All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50°C
2. Temperature range: -20...+80°C
3. Filtration absolute: 25 μm

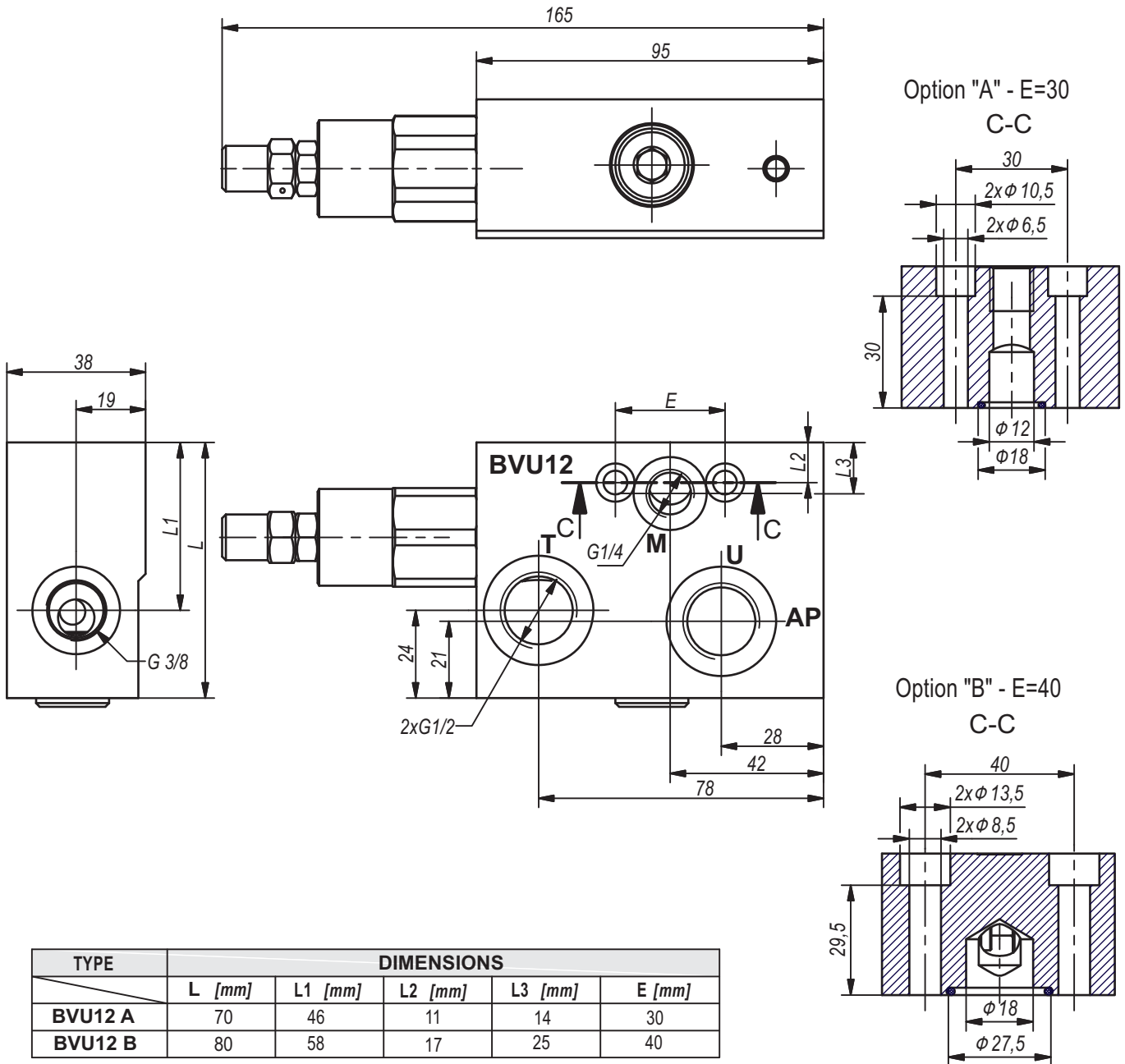


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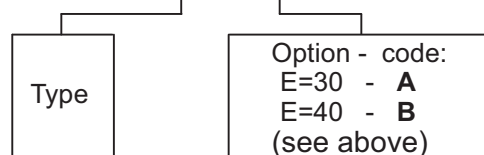
TANDEM PUMP HI-LOW UNLOADING VALVES

BVU 12.



ORDERING CODE

BVU12 A



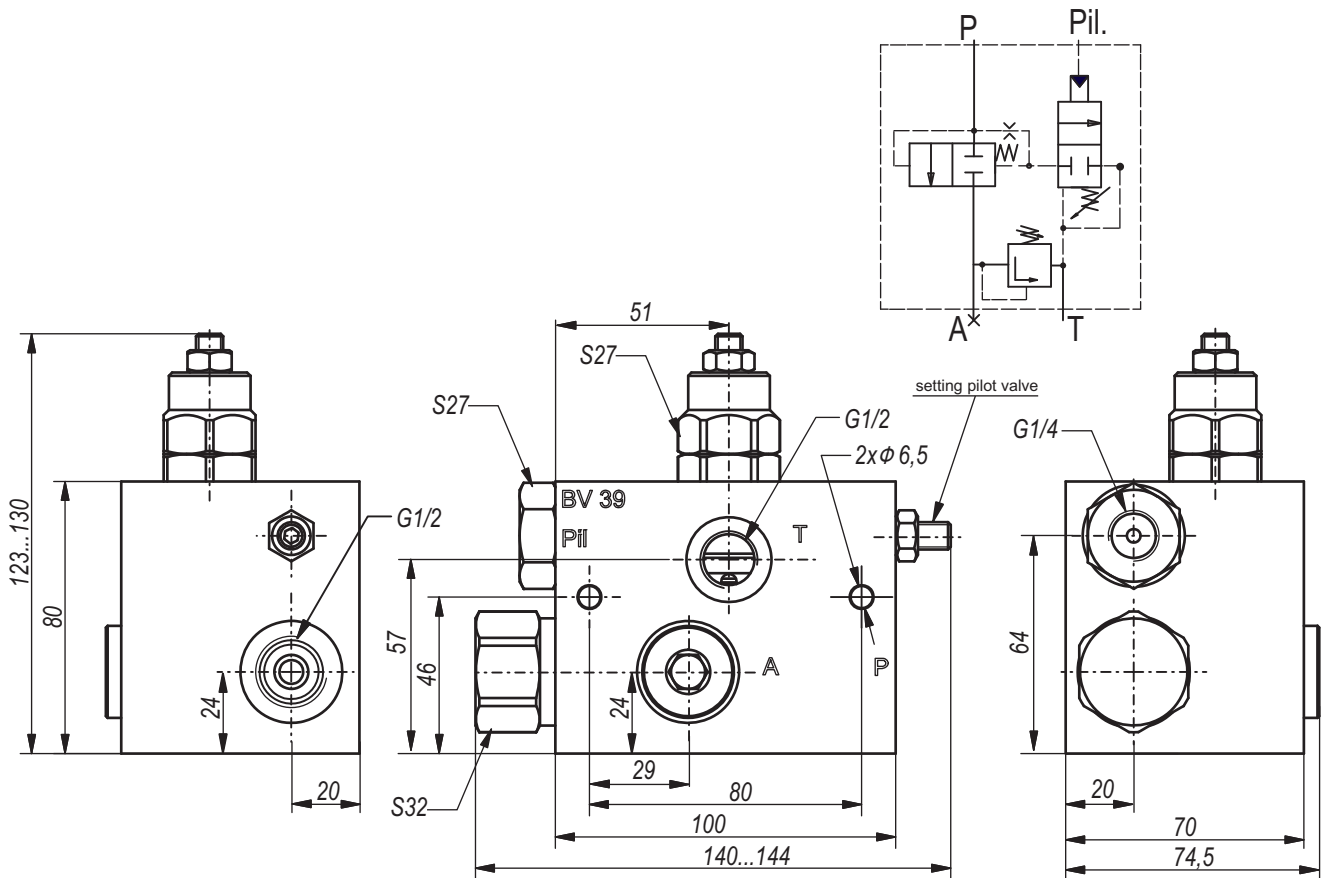
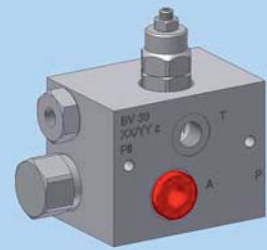


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VALVE BLOCKS

BV39



TECHNICAL DATA		
	Measurement unit	Value
Adj. pressure range relief valve	bar	30...250
Standard setting relief valve	bar	160
Setting pilot valve	bar	40
Max. flow through main valve	L/min	160
Max. flow through relief valve	L/min	80

Designation and function:

This hydraulic block is designed to be used in systems, in which a consecutive work of two executive devices (cylinders) is needed. When the pressure, supplied at port **Pil.**, reaches the level at which the valve is adjusted, the main valve opens and the flow goes to port **A**. This continues until the pressure at port **Pil.** is higher than the level at which the valve is adjusted. The pressure at port **A** can be adjusted at a lower level than the one in the basic system. Another implementation of the block is to regulate the pressure in a system at two levels of adjustment. The first level is determined by the adjustment of the basic safety valve in the system and the second level (the lower one) is adjusted by the safety valve on port **A** of the block **BV39**. It becomes active when the adjusted level of pressure in port **Pil.** is reached. To achieve that purpose the port **P** is connected to the system and the port **A** is plugged.

All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50°C

Temperature range: -20...+80°C

Filtration absolute: 25 μm

ORDERING CODE

BV39

Type

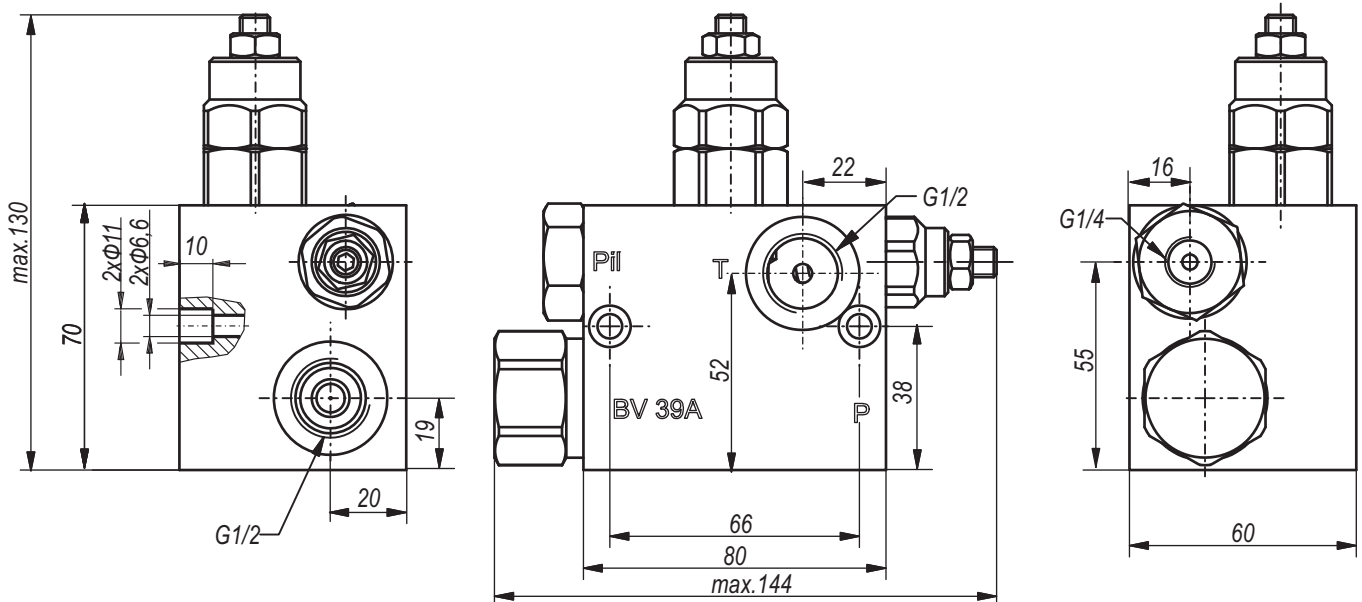
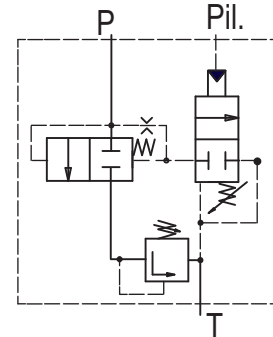
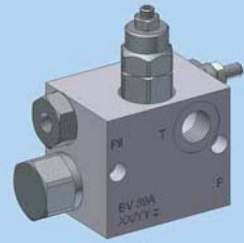


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VALVE BLOCKS

BV39A



TECHNICAL DATA		
	Measurement unit	Value
Adj. pressure range relief valve	bar	30...250
Standard setting relief valve	bar	160
Setting pilot valve	bar	40
Max. flow through main valve	L/min	160
Max. flow through relief valve	L/min	80

All performances and calibration are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C
Temperature range: -20...+80°C
Filtration absolute: 25 μm

ORDERING CODE

BV39A

Type

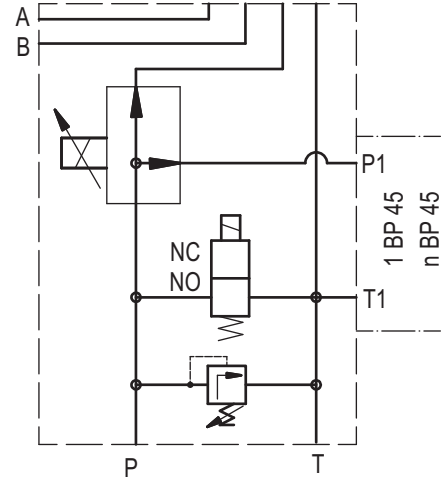
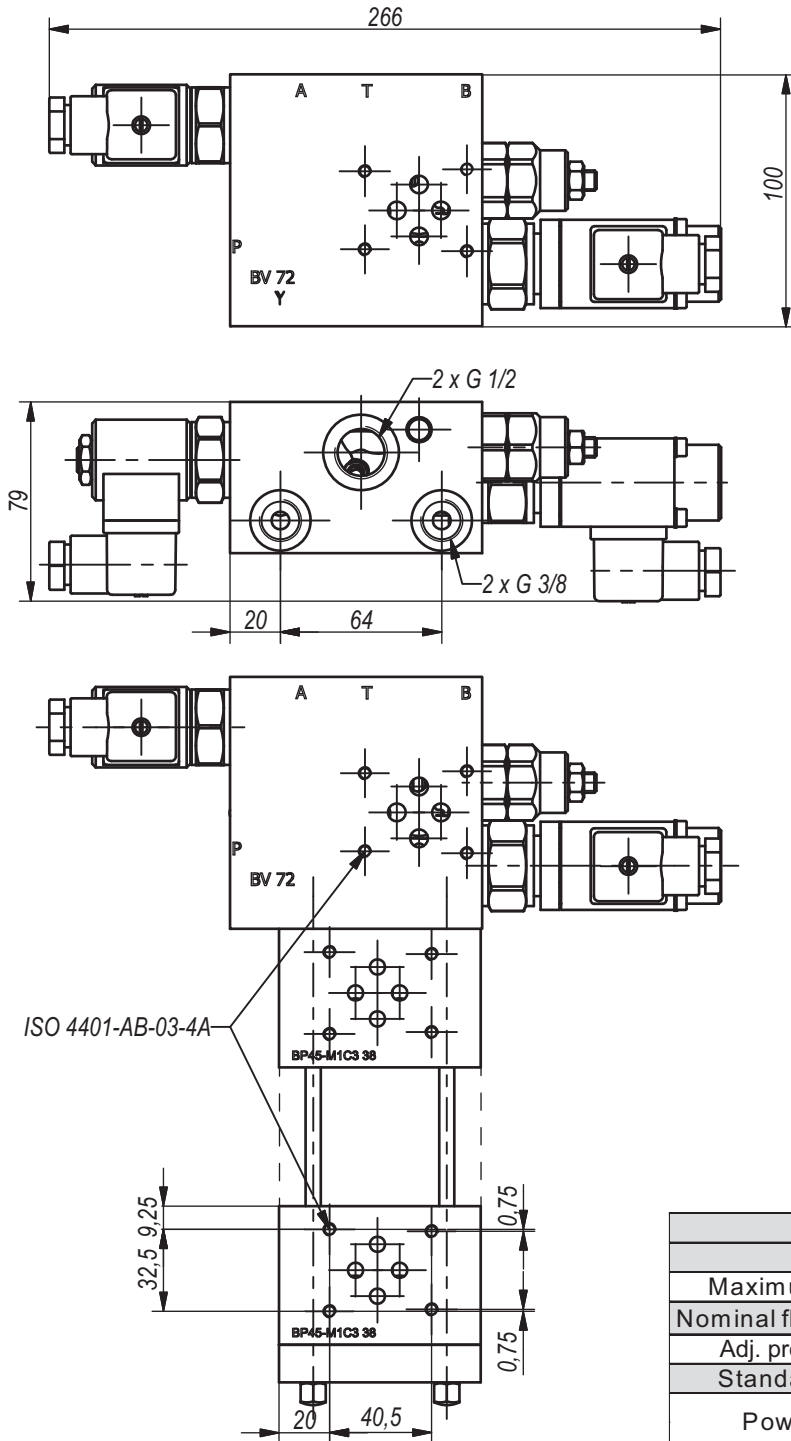
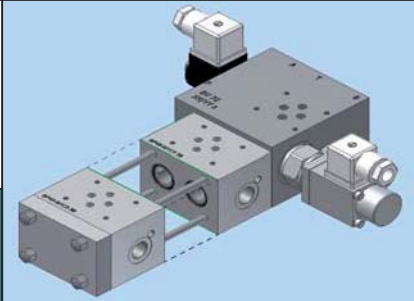


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VALVE BLOCKS

BV 72- ... BP45-M1C3/38

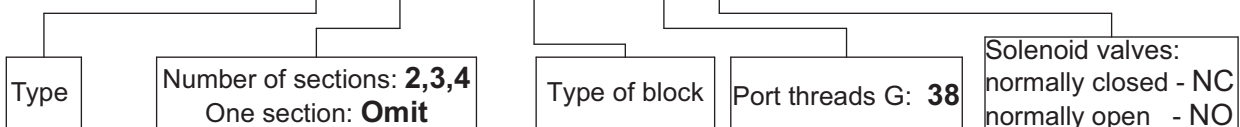


All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50°C
Temperature range: -20...+80°C
Filtration absolute: 25 μm

TECHNICAL DATA		
	Measurement unit	Value
Maximum pressure		
Nominal flow rate of "P"	L/min	60
Adj. pressure range	bar	330...250
Standard settings	L/min	180
Power supply	VAC	110,220
	VDC	12,24

ORDERING CODE

BV 72- . BP45-M1C3/38 NC



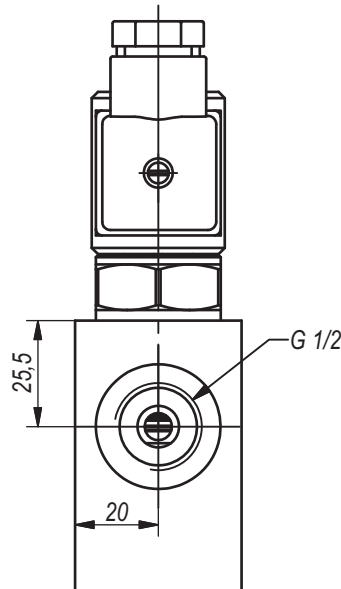
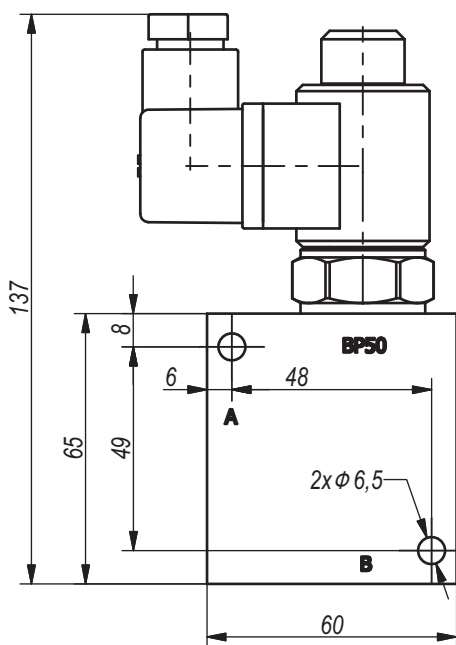
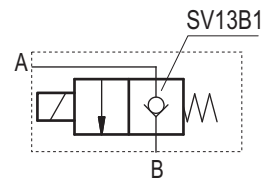
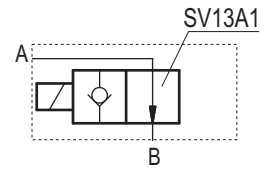
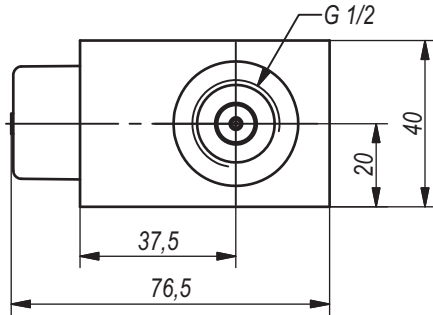


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HYDRAULIC BLOCK WITH SOLENOID VALVES

BP50/SV13.. - ..



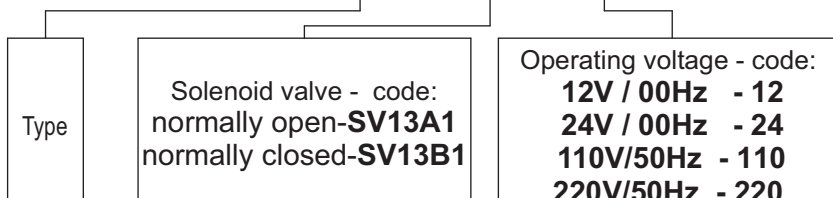
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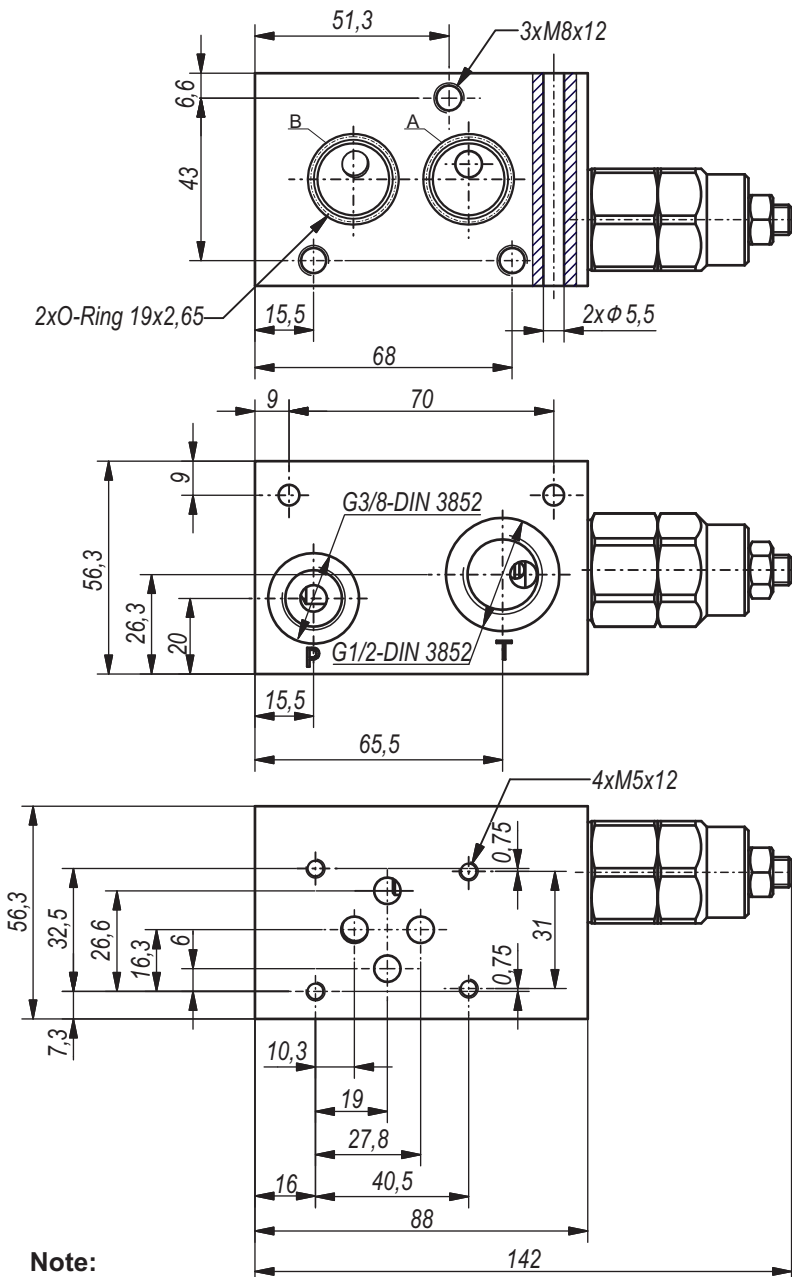
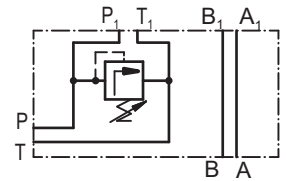
1. All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50°C.
2. Tightening torque for solenoid valve - 35 N.m.

TECHNICAL DATA		
General		
Ambient temperature	°C	-20...+50
Hydraulic		
Nominal pressure	bar	200
Nominal flow rate	L/min	50
Working fluid – mineral oil		
- viscosity	mm ² /s	10...100
- filtration level	mm	25 or better
- temperature	°C	-20...80
Power supply		
Voltage of operating solenoid	V DC	12 24
	V AC	110/50Hz 220/50Hz

ORDERING CODE

BP50/ SV13B1 - ..





Note:

1. All performances and calibration are carried out by using hydraulic oil with viscosity approx 46 cSt at 50 °C.
2. Mounting plate:
 - acc. to ISO 4401-AB-03-4A (CETOP3)
3. Tightening torque of the connecting screws on the mounting plate - 8,5 N.m.

TECHNICAL DATA		
General		
Ambient temperature	°C	-20...+50
Hydraulic		
Pressure range		See tab.1
Maximal flow rate	L/min	40
Working fluid- mineral oil		
- viscosity	mm ² /s	10...100
- filtration level	mm	25 or better
- temperature	°C	-20...80

Tab. 1

PRESSURE RANGE		
Code	Standard setting (Q=5l/min) [bar]	Pressure range [bar]
10	80	10...100
25	180	30...250
35	250	70...350

This block is used only for a joint work with directional control valves of the RS06... type.

ORDERING CODE

BV 99 / 10

