

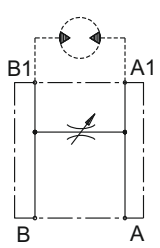
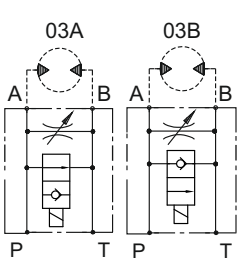
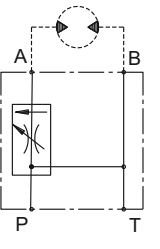
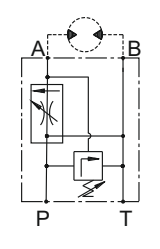


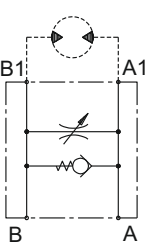
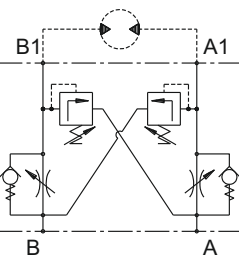
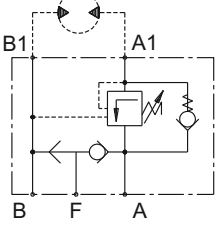
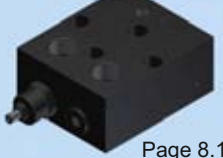
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HYDRAULIC MOTOR BLOCKS TYPE BV



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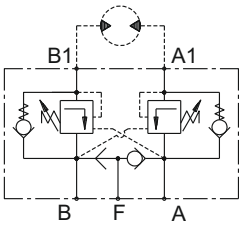
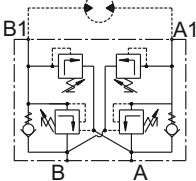
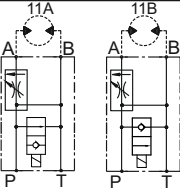


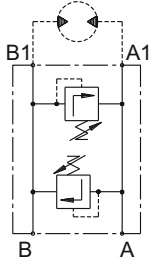
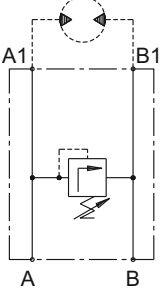
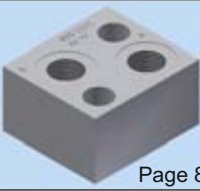
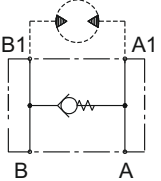
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HYDRAULIC MOTOR BLOCKS TYPE BV



BVV 0106	Scheme 09
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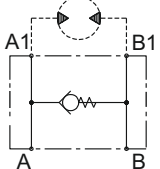
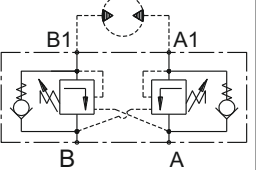
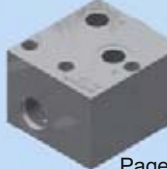
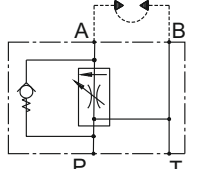
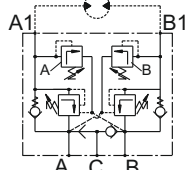
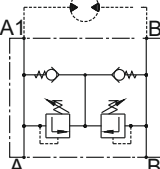
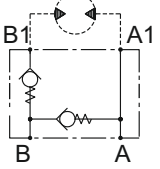
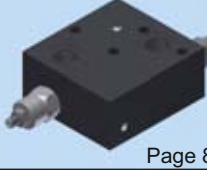
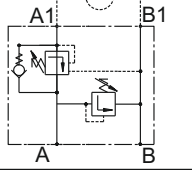
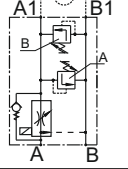
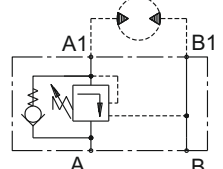
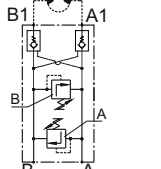
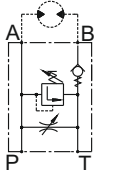
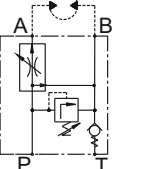
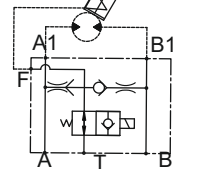
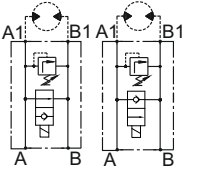
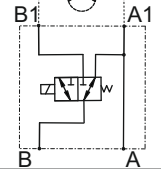


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HYDRAULIC MOTOR BLOCKS TYPE BV



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BVT 3425/...  Page 8.42	Scheme 25 
BVR 1227. .../... .  Page 8.44	Scheme 27 
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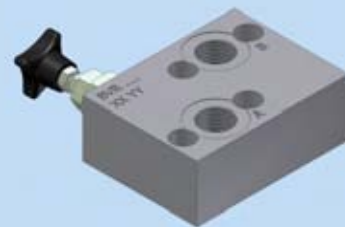


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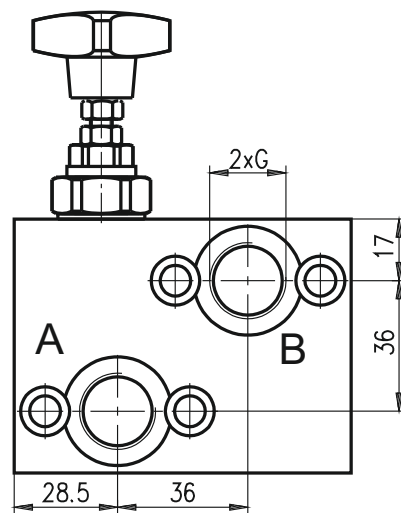
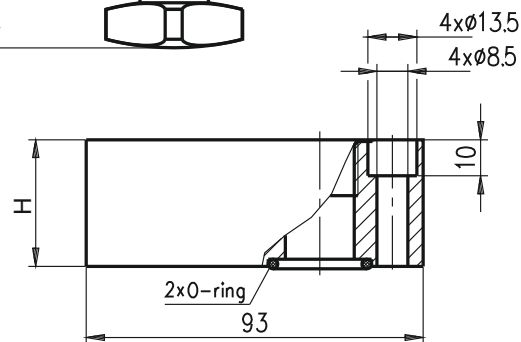
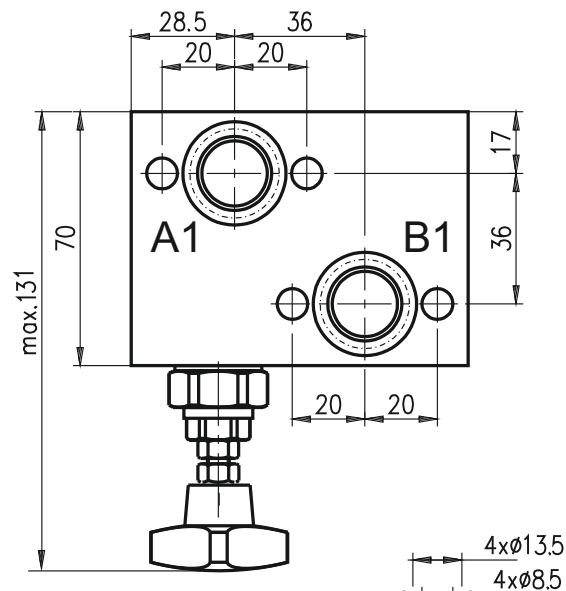
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HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. .



Code	Hydraulic scheme
01	
02	



Type	Nom. flow rate <i>L/min</i>	P _{nom.} <i>bar</i>	Port threads G	O-ring	H <i>mm</i>
BVR 12..	60	210	G1/2 - DIN 3852	23,6x2,65	35
BVR 78..	60	210	7/8-14UNF - ISO 11926	26x2	38

ORDERING CODE

BV R 12 01



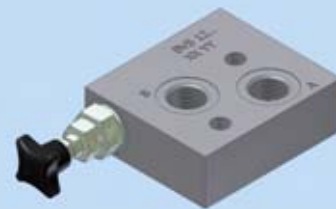


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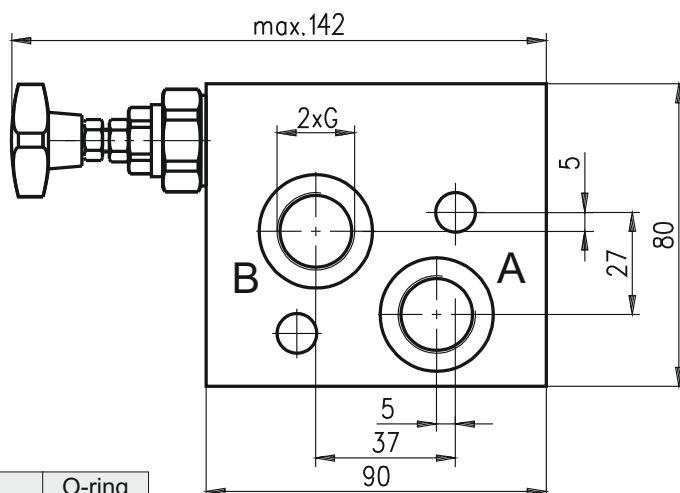
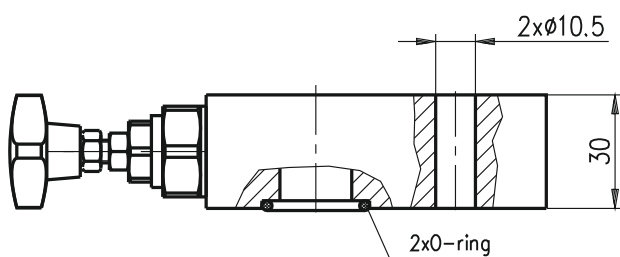
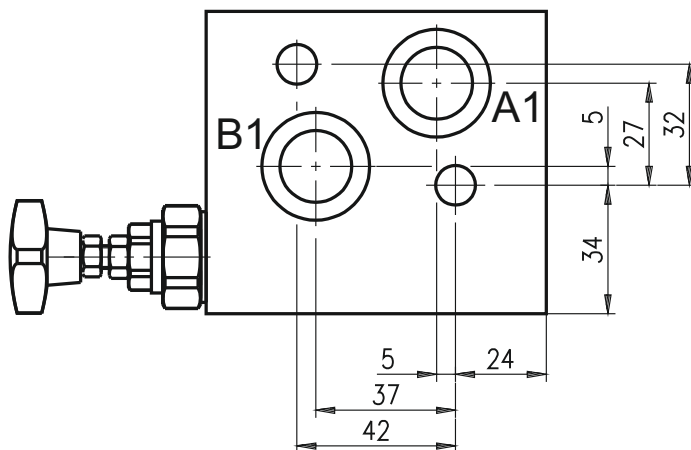
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HYDRAULIC MOTOR BLOCKS TYPE BV

BVS ...



Code	Hydraulic scheme
01	
02	



Type	Nom. flow rate L/min	P _{nom.} bar	Port threads G	O-ring
BVS 12..	60	210	G1/2 - DIN 3852	23,6x2,65
BVS 78..	60	210	7/8-14UNF - ISO 11926	26x2

ORDERING CODE

BV S 12 01

Type

Hydraulic motor type - code
MS

Port threads G - code:
G1/2 - 12
7/8-14 UNF- 78

Scheme code:
01; 02

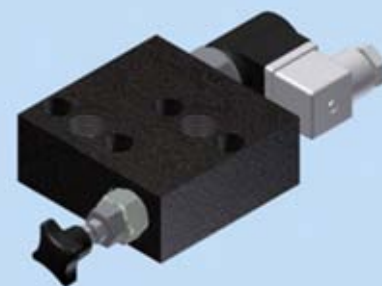


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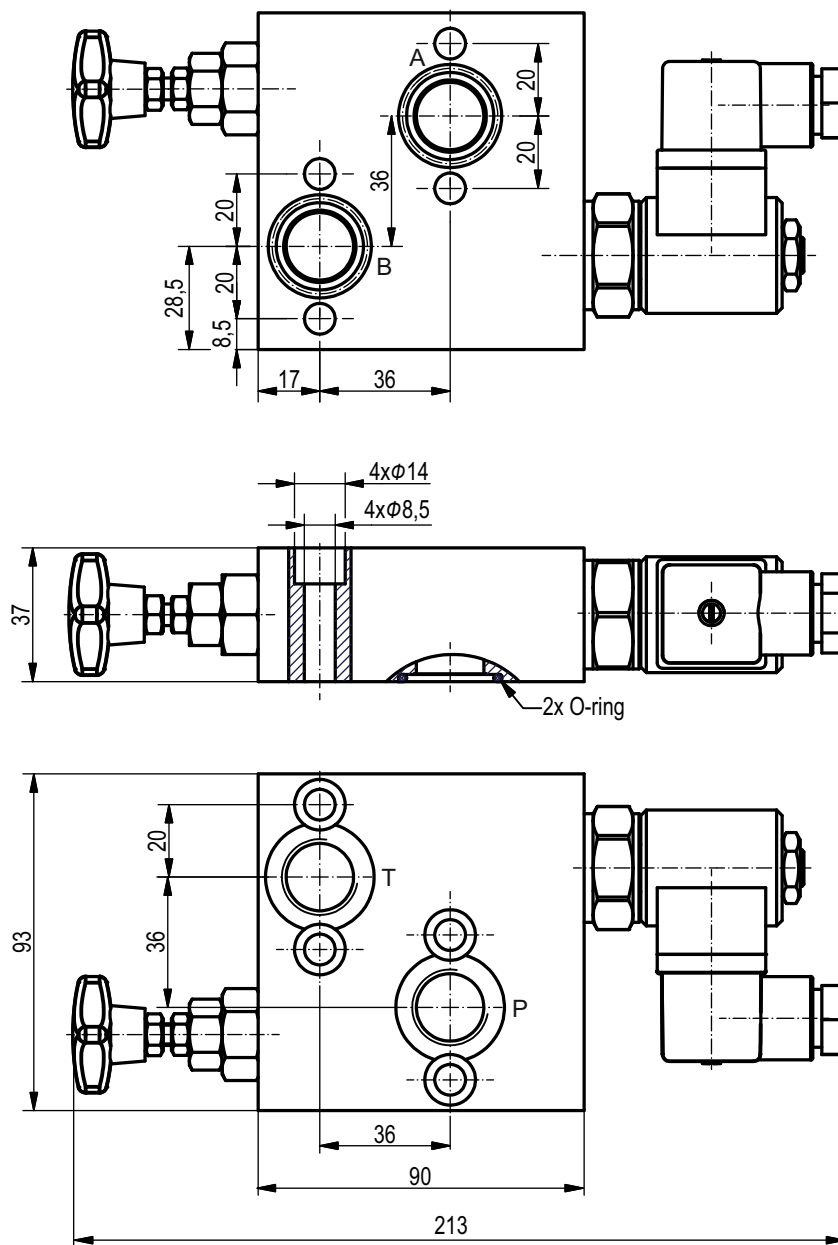
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HYDRAULIC MOTOR BLOCKS TYPE BV

BVR 12... / ...



Code	Hydraulic scheme
03A	
03B	



Type	Nominal flow rate L/min	P _{max.} bar	Port threads G	O-ring
BVR 12.../...	60	250	G1/2 - DIN 3852	23,6x2,65

ORDERING CODE

BV R 12 03A / 24

Type	Hydraulic motor type - code MR - R	Port threads G - code: G1/2 - 12	Scheme code: 03A; 03B	Operating voltage - code: 12V/00Hz - 12 24V/00Hz - 24 110V/50Hz - 110 220V/50Hz - 220
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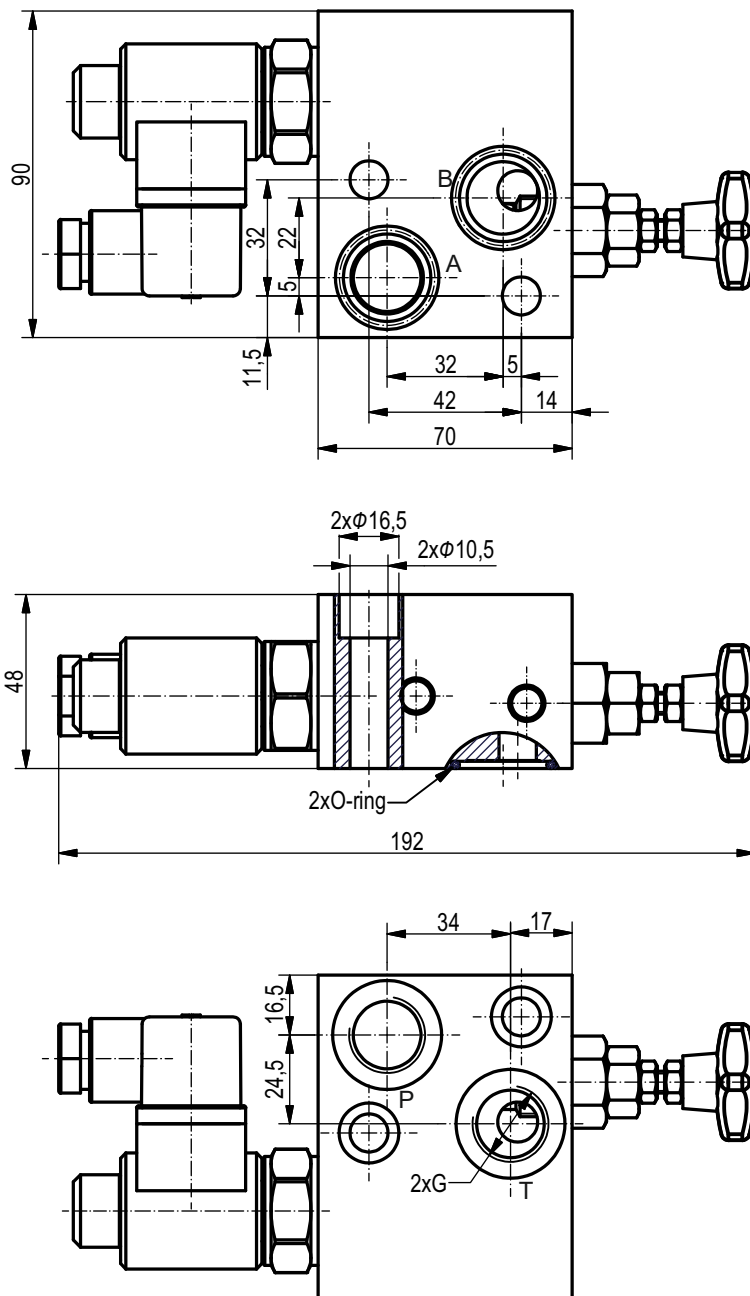
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HYDRAULIC MOTOR BLOCKS TYPE BV

BVS 12... / ...



Code	Hydraulic scheme
03A	
03B	



Type	Nominal flow rate L/min	P _{max.} bar	Port threads G	O-ring
BVS 12.../...	60	250	G1/2 - DIN 3852	23,6x2,65

ORDERING CODE

BV S 12 03A / 24

Type

Hydraulic motor type - code
MS - S

Port threads G - code:
G1/2 - 12

Scheme code:
03A; 03B

Operating voltage - code:
12V/00Hz - 12
24V/00Hz - 24
110V/50Hz - 110
220V/50Hz - 220

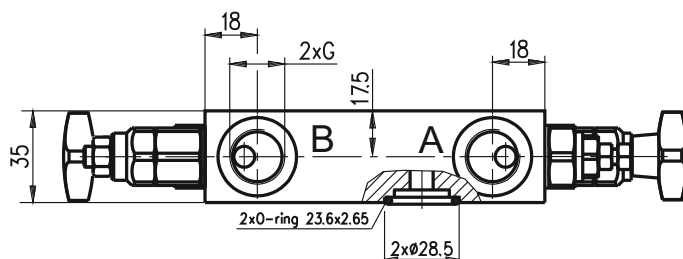
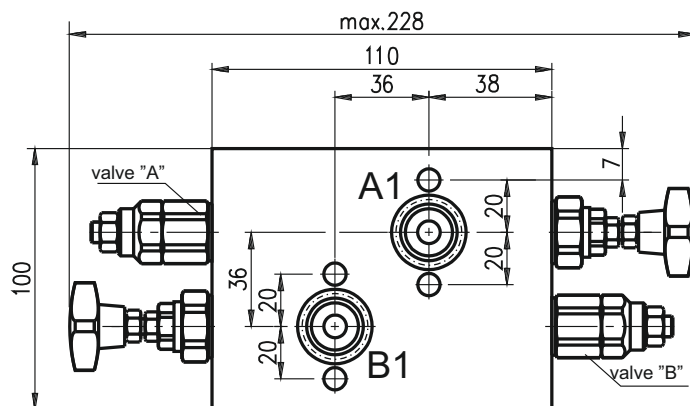
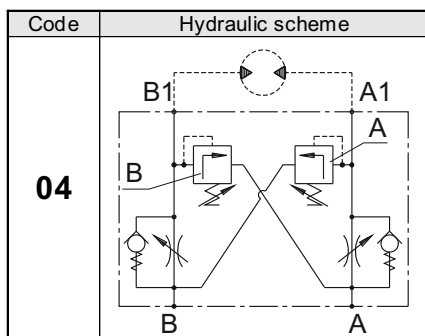
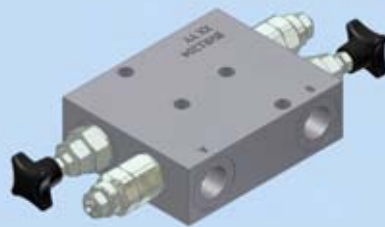


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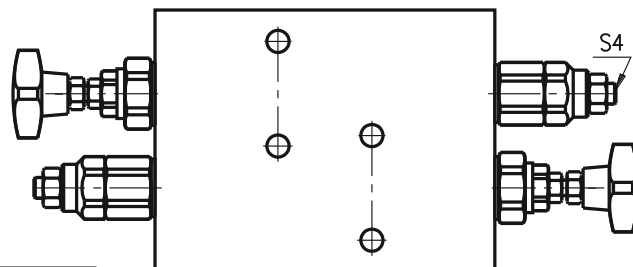
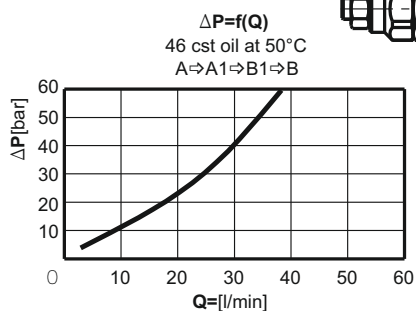
HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. 04/..



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

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



Type	Nom. flow rate L/min	P _{max.} bar	Port threads G
BVR 1204 / ... - ...	50	250	G1/2 - DIN 3852

ORDERING CODE

BV R 12 04 / A10 A - B25 A

Type

Hydraulic motor type - code:
MP or MR - R

Port threads G - code
G1/2 - 12

Scheme code:
04

Adjustment code:
A; B; C
(see table above)

Pressure range code
valve "A":
10; 25

Adjustment code:
A; B; C
(see table above)

Pressure range code
valve "B":
10; 25

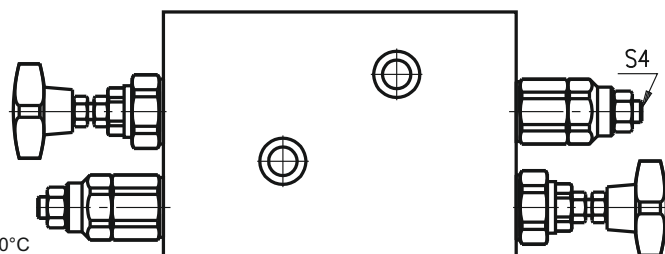
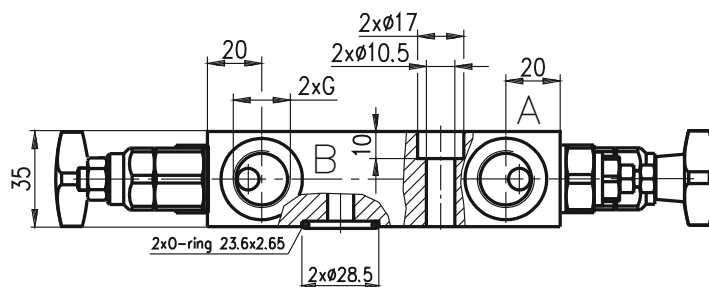
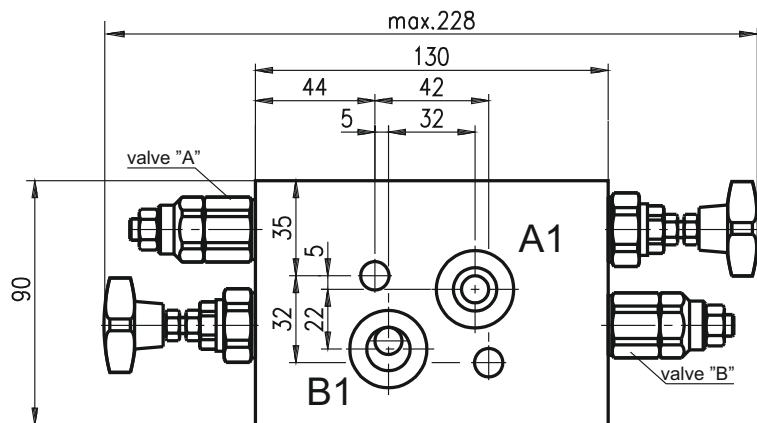
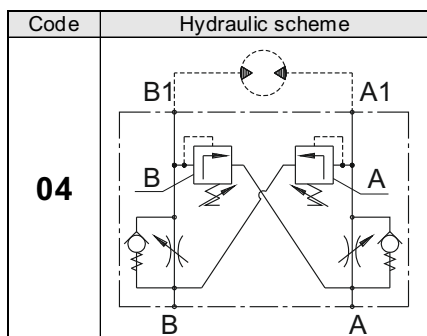
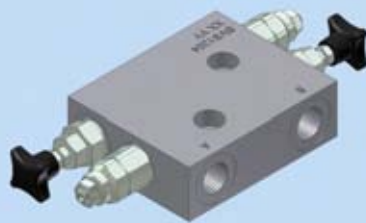


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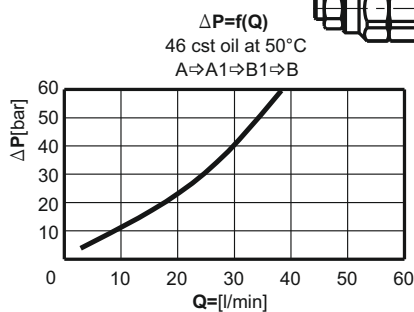
HYDRAULIC MOTOR BLOCKS TYPE BV

BVS .. 04/..



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

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



Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BVS 1204 /... ..	50	250	G1/2 - DIN 3852

ORDERING CODE

BV S 12 04 / A10 A - B25 A

Type	Hydraulic motor type - code: MS	Adjustment code: A; B; C (see table above)	Adjustment code: A; B; C (see table above)
Port threads G - code: G1/2	Scheme come: 04	Pressure range code valve "A": 10; 25	Pressure range code valve "B": 10; 25

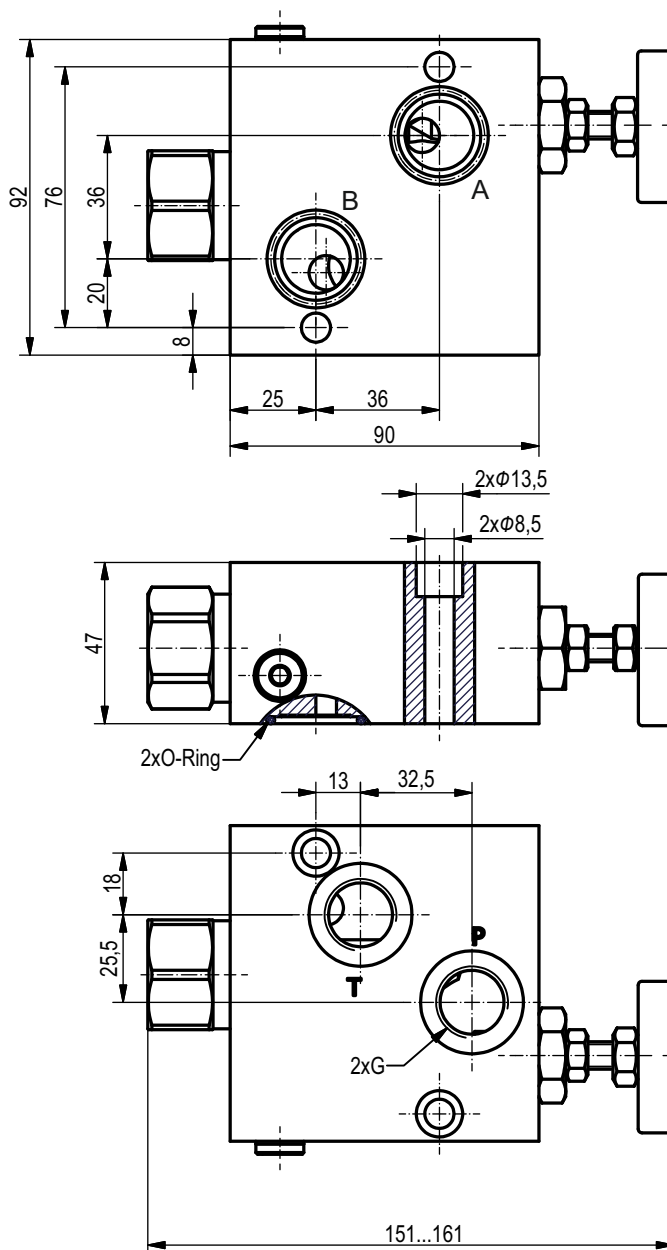
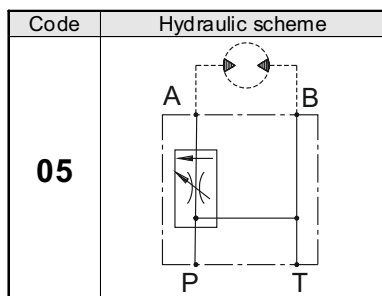


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HYDRAULIC MOTOR BLOCKS TYPE BV

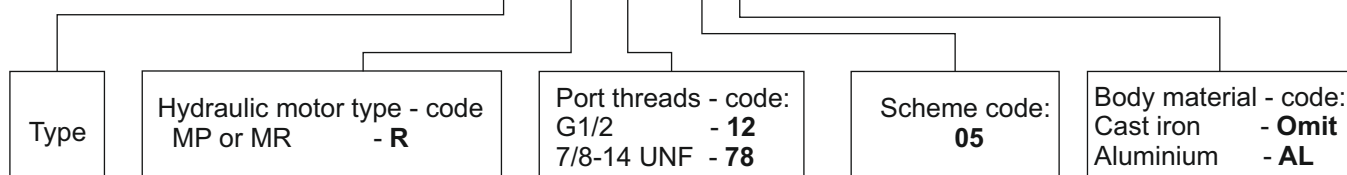
BVR .. 05 ..



Type	Flow rate max. "P"	Max. flow at "A"	P _{max.}	Port threads G	O-Ring
	L/min	L/min	bar	-	-
BVR 1205 ..	90	70	250	G1/2 - DIN 3852	23,6x2,65
BVR 7805 ..	90	70	250	7/8-14UNF - ISO 11926	26x2

ORDERING CODE

BV R 12 05 AL



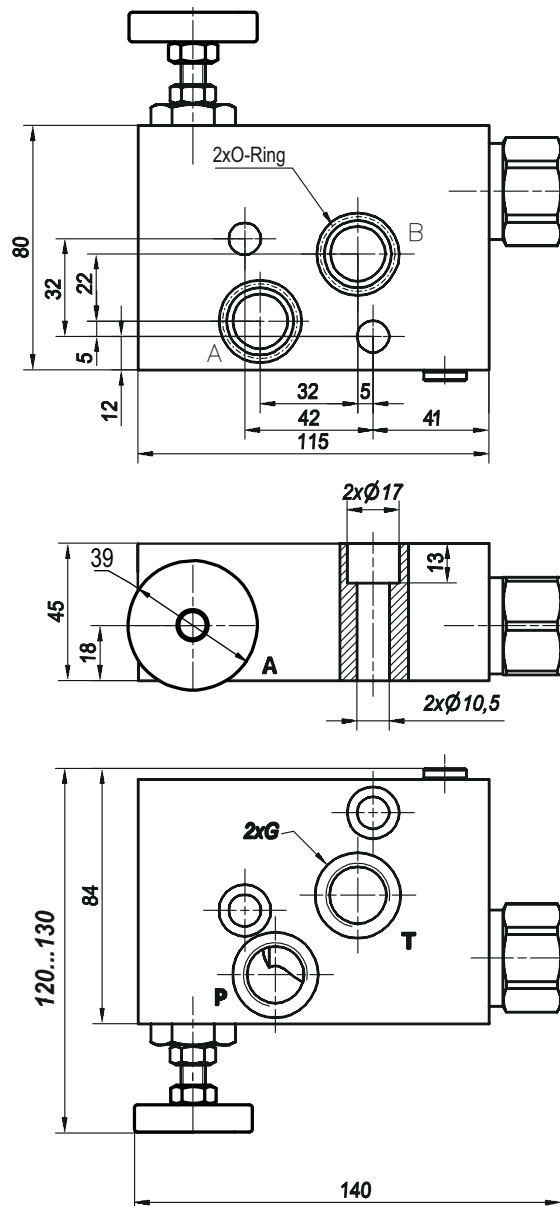
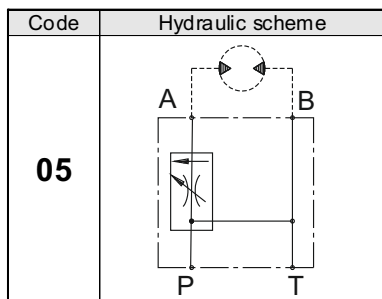


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HYDRAULIC MOTOR BLOCKS TYPE BV

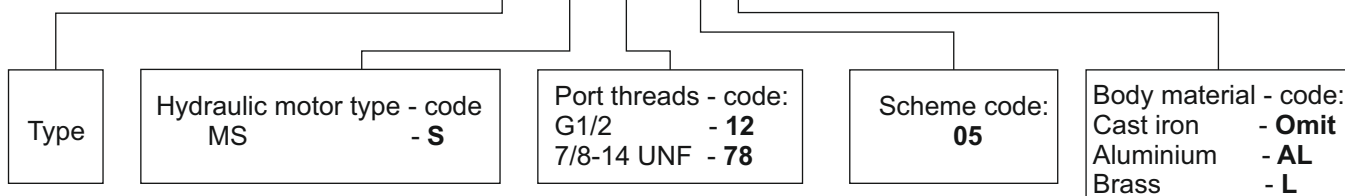
BVS .. 05 ..



Type	Flow rate max. "P"	Max. flow at "A"	P _{max.}	Port threads G	O-Ring
	L/min	L/min	bar	-	-
BVS 1205 ..	90	70	250	G1/2 - DIN 3852	22x2,65
BVS 7805 ..	90	70	250	7/8-14UNF - ISO 11926	26x2

ORDERING CODE

BV S 12 05 AL



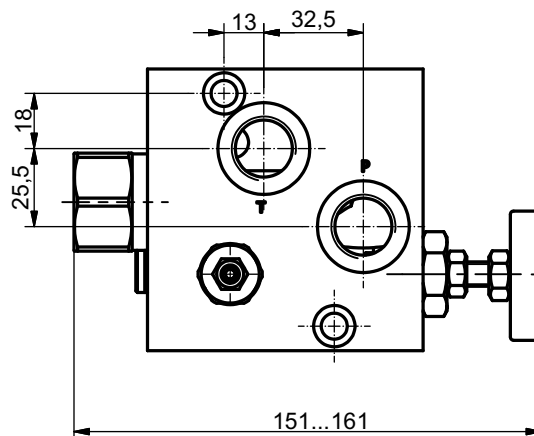
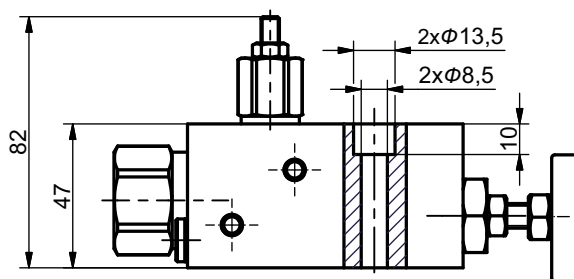
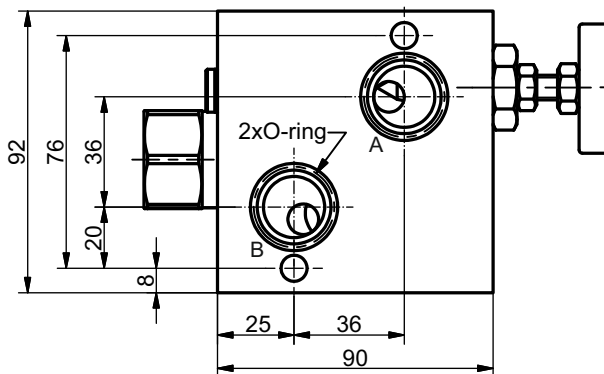
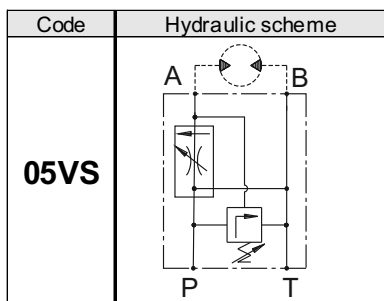
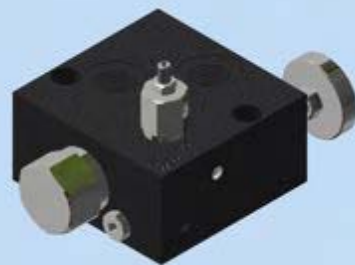


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HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. 05VS ..



Type	Flow rate max. "P" L/min	Max. flow at "A" L/min	Adj. pressure range bar	P _{max.} bar	Port threads G	O-Ring
BVR 1205VS ..	90	70	15...250	250	G1/2 - DIN 3852	22x2,65
BVR 7805VS ..	90	70	15...250	250	7/8-14UNF - ISO 11926	26x2

ORDERING CODE

BV R 12 05VS AL

Type	Hydraulic motor type - code MP or MR - R	Port threads - code: G1/2 - 12 7/8-14 UNF - 78	Scheme code: 05VS	Body material - code: Cast iron - Omit Aluminium - AL
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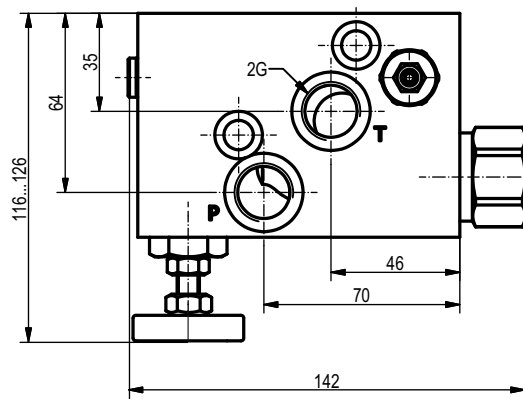
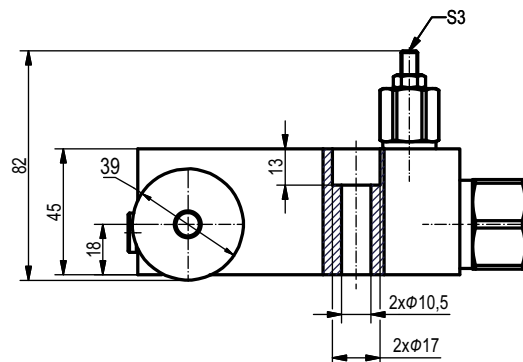
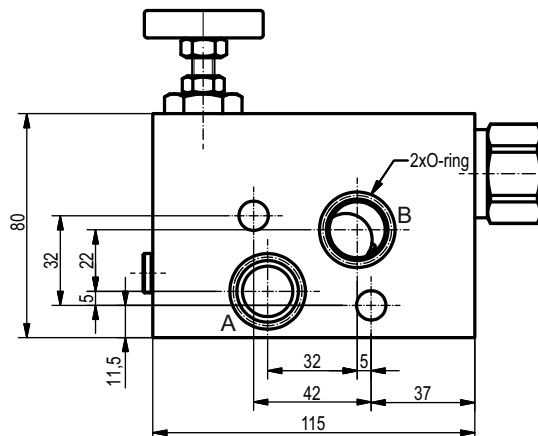
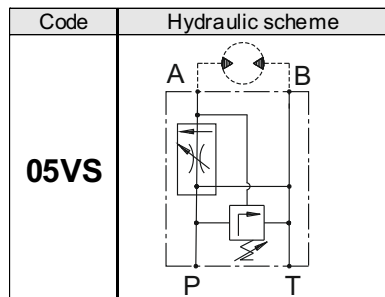


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HYDRAULIC MOTOR BLOCKS TYPE BV

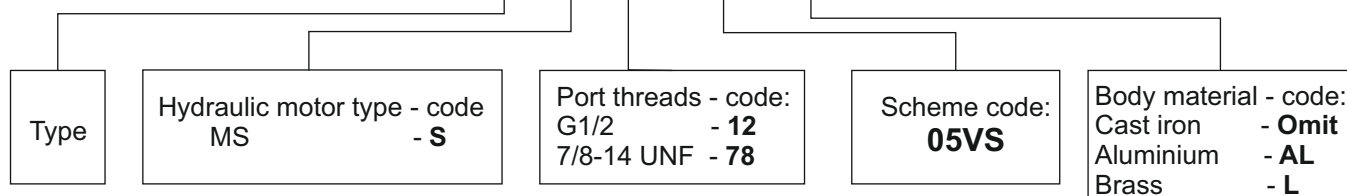
BVS .. 05VS ..



Type	Flow rate max. "P" L/min	Max. flow at "A" L/min	Adj. pressure range bar	Pmax. bar	Port threads G	O-Ring
BVS 1205VS ..	90	70	15...250	250	G1/2 - DIN 3852	22x2,65
BVS 7805VS ..	90	70	15...250	250	7/8-14UNF - ISO 11926	26x2

ORDERING CODE

BV S 12 05VS AL



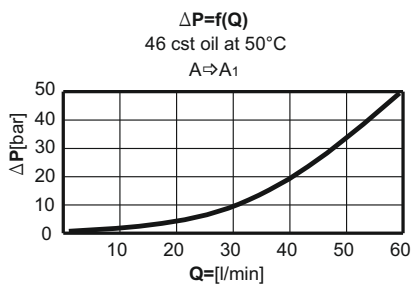
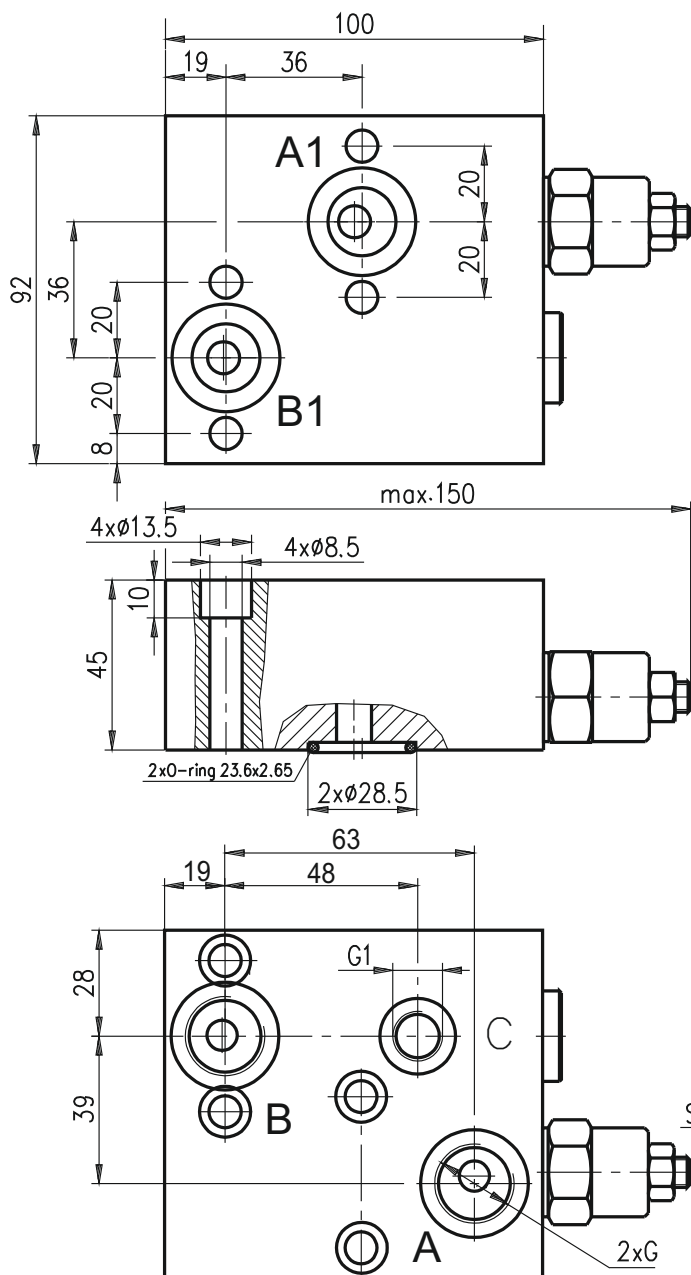
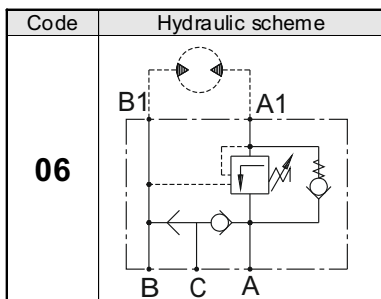


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HYDRAULIC MOTOR BLOCKS TYPE BV

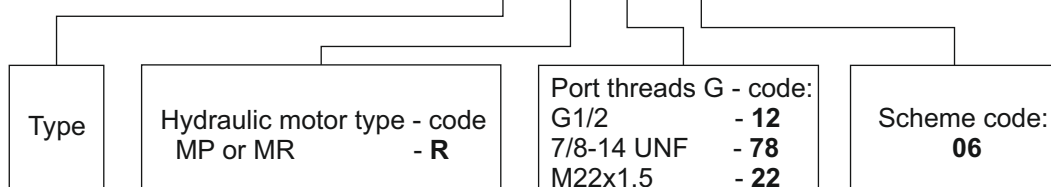
BVR .. 06



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	Pmax.	Port threads G	Port threads G1
	L/min	bar	-	bar	-	-
BVR 1206	60	60...250	4,25:1	250	G1/2 - DIN 3852	G1/4 - DIN 3852
BVR 7806	60	60...250	4,25:1	250	7/8-14UNF - ISO 11926	7/16-20UNF - ISO 11926
BVR 2206	60	60...250	4,25:1	250	M22x1,5 - DIN 3852	M14x1,5 - DIN 3852

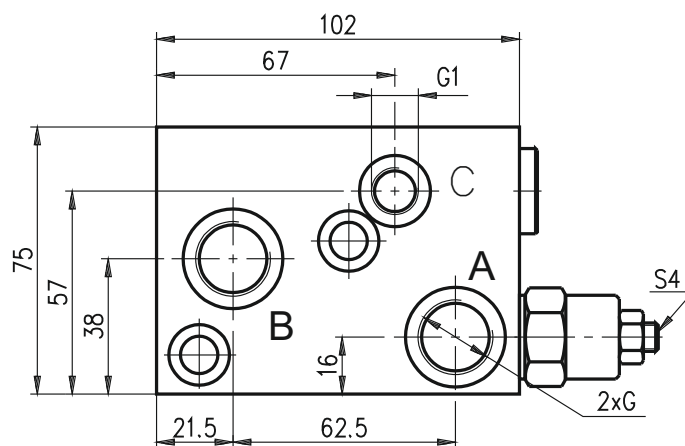
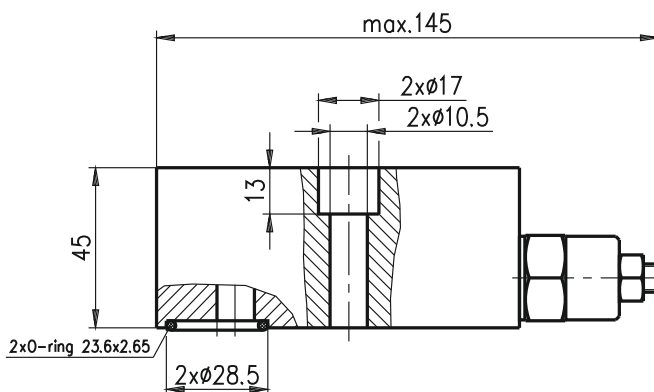
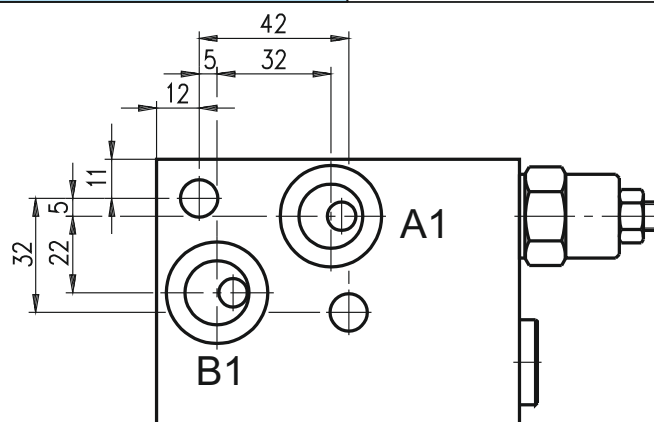
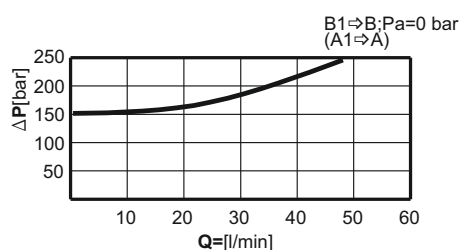
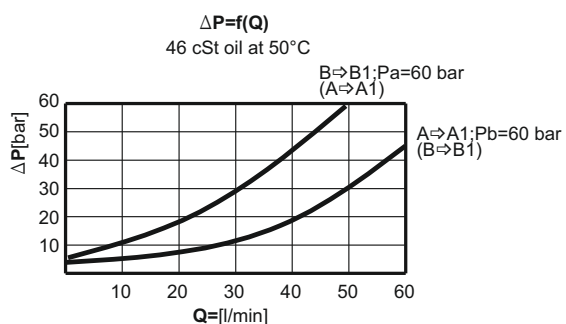
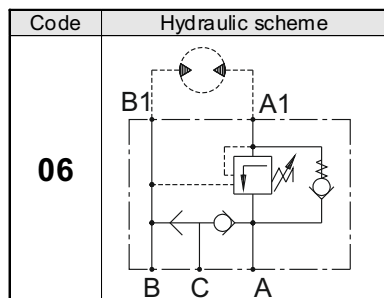
ORDERING CODE

BV R 12 06



HYDRAULIC MOTOR BLOCKS TYPE BV

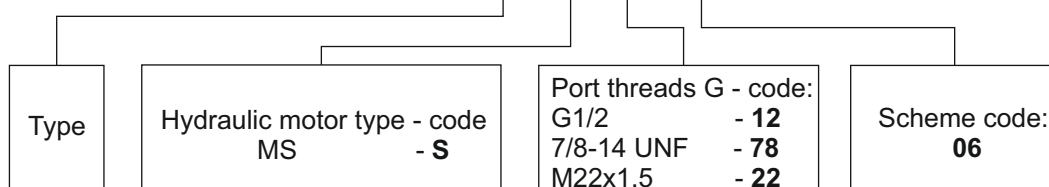
BVS .. 06



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	Pmax.	Port threads G	Port threads G1
	<i>L/min</i>	<i>bar</i>	-	<i>bar</i>	-	-
BVS 1206	60	60...250	4,25:1	250	G1/2 - DIN 3852	G1/4 - DIN 3852
BVS 7806	60	60...250	4,25:1	250	7/8-14UNF - ISO 11926	7/16-20UNF - ISO 11926
BVS 2206	60	60...250	4,25:1	250	M22x1,5 - DIN 3852	M14x1,5 - DIN 3852

ORDERING CODE

BV S 12 06



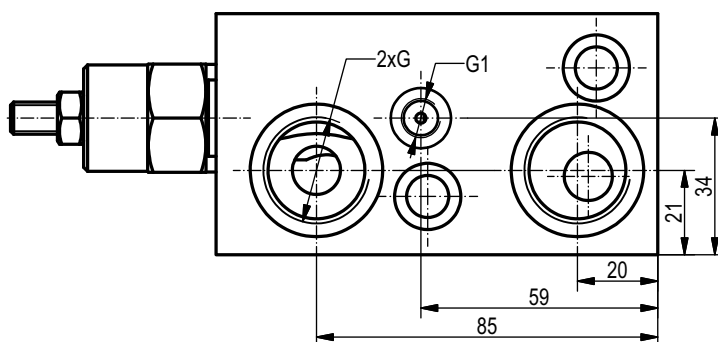
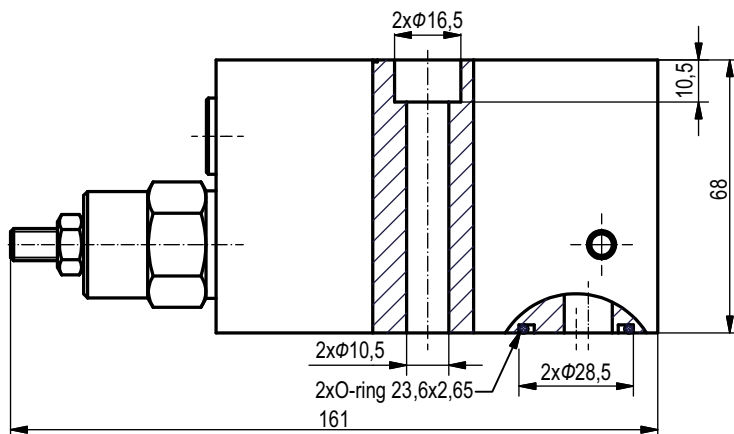
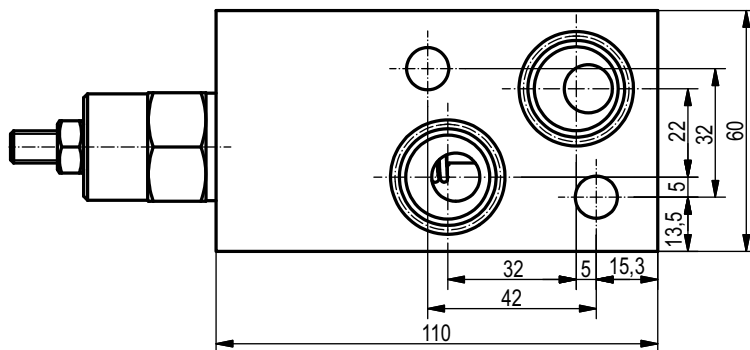
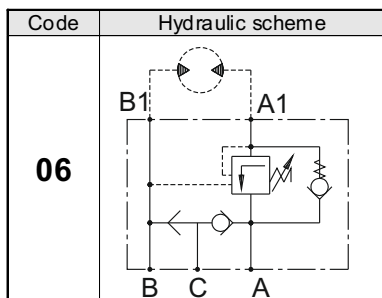


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HYDRAULIC MOTOR BLOCKS TYPE BV

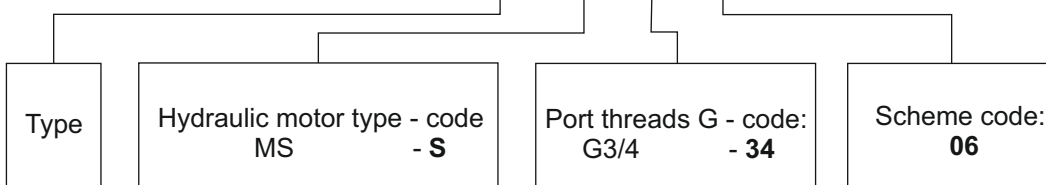
BVS 34 06



Type	Nominal flow rate <i>L/min</i>	Adj. pressure range <i>bar</i>	Pressure ratio -	P _{max.} <i>bar</i>	Port threads G	Port threads G1
BVS 3406	100	70...250	4,25:1	250	G _{3/4} - DIN 3852	G _{1/8} - DIN 3852

ORDERING CODE

BV S 34 06



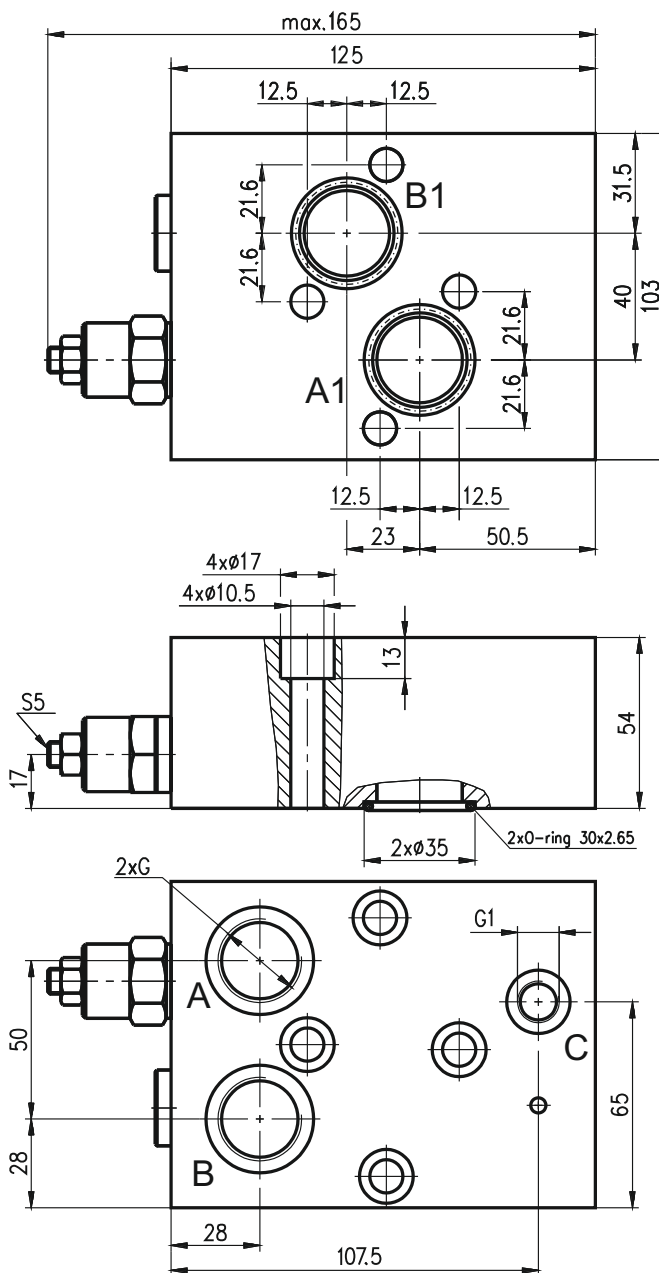
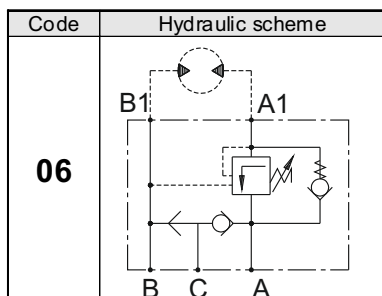
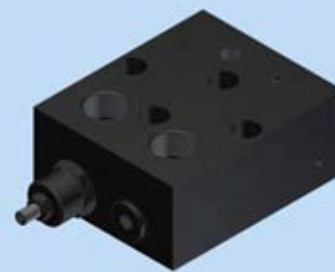


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HYDRAULIC MOTOR BLOCKS TYPE BV

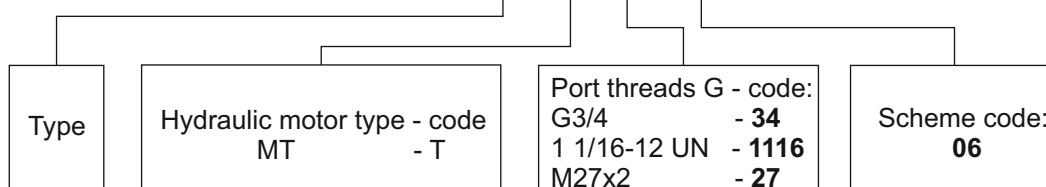
BVT 06



Type	Nominal flow rate <i>L/min</i>	Adj. pressure range <i>bar</i>	Pressure ratio -	P _{max.} <i>bar</i>	Port threads G -	Port threads G1 -
BVT 3406	100	60...250	4,25:1	250	G3/4 - DIN 3852	G1/4 - DIN 3852
BVT 111606	100	60...250	4,25:1	250	1 1/16-12UN - ISO 11926	7/16-20UNF - ISO 11926
BVT 2706	100	60...250	4,25:1	250	M27x2 - DIN 3852	M14x1,5 - DIN 3852

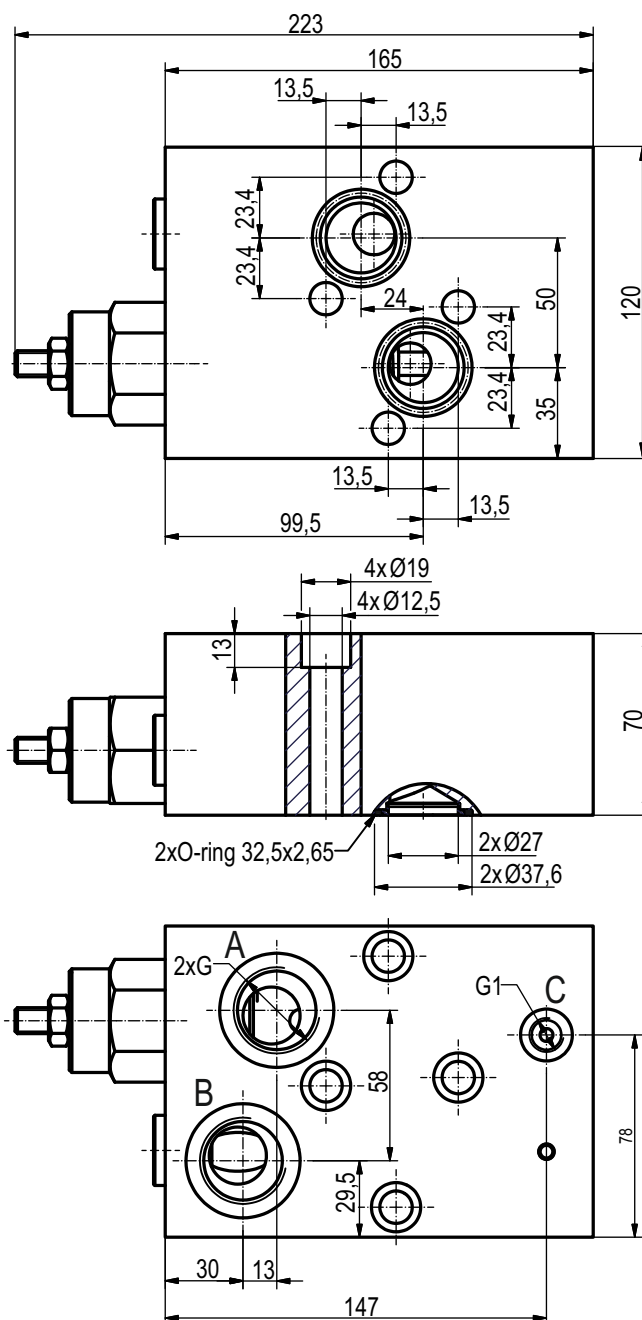
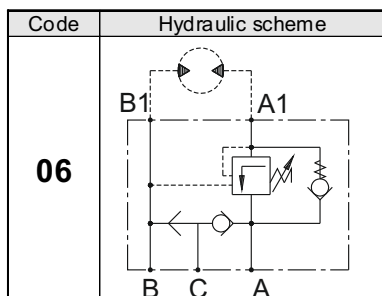
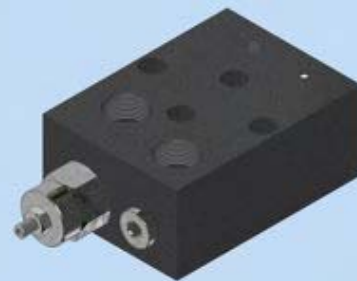
ORDERING CODE

BV T 34 06



HYDRAULIC MOTOR BLOCKS TYPE BV

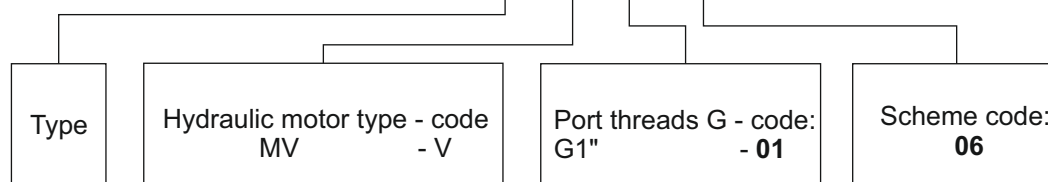
BVV 0106



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	P _{max.}	Port threads G	Port threads G1
	<i>L/min</i>	<i>bar</i>	-	<i>bar</i>	-	-
BVV 0106	200	60...250	4,25:1	250	G1" - DIN 3852	G1/4 - DIN 3852

ORDERING CODE

BV V 01 06



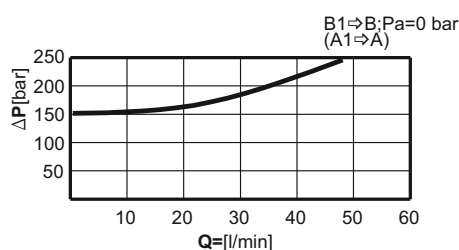
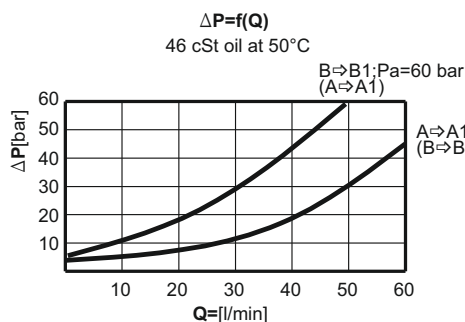
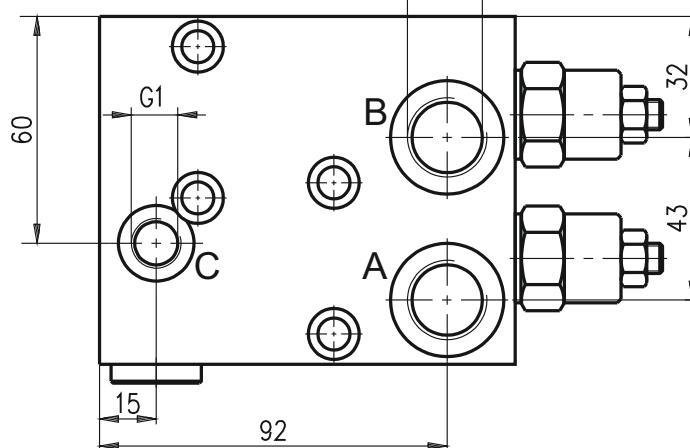
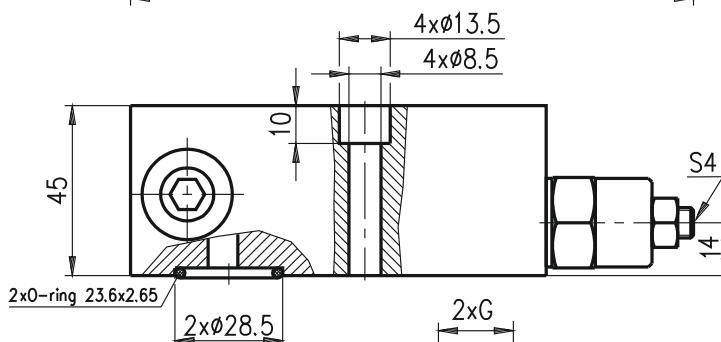
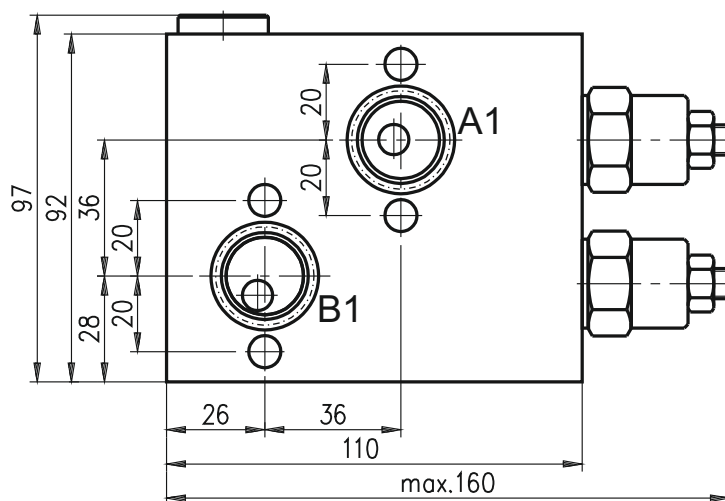
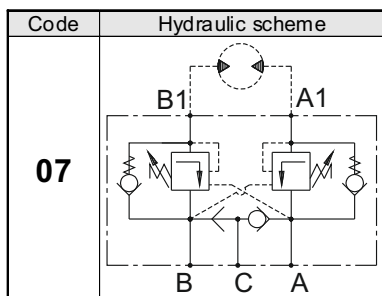


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HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. 07



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	Pmax.	Port threads G	Port threads G1
	L/min	bar	-	bar	-	-
BVR 1207	60	60...250	4,25:1	250	G1/2 - DIN 3852	G1/4 - DIN 3852
BVR 7807	60	60...250	4,25:1	250	7/8-14UNF - ISO 11926	7/16-20UNF - ISO 11926
BVR 2207	60	60...250	4,25:1	250	M22x1,5 - DIN 3852	M14x1,5 - DIN 3852

ORDERING CODE

BV R 12 07 D

Type

Hydraulic motor type - code
MP or MR - R

Port threads G - code:
G1/2 - 12
7/8-14 UNF - 78
M22x1,5 - 22

Scheme code:
07

Body material - code:
Cast iron - Omit
Aluminium - D

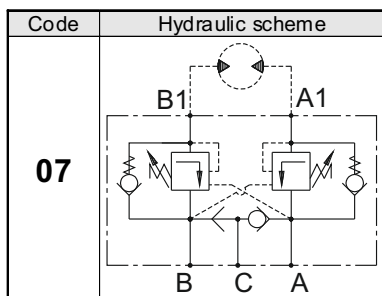


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HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. 07C



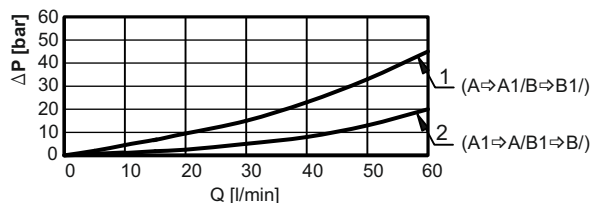
$$\Delta P = f(Q)$$

1 - $\Delta p = f(Q)$ through the check valve - line A → A1 / B → B1/

2 - $\Delta p = f(Q)$ through the relief valves - line A1 → A / B1 → B/

The valves are adjusted at 250 bar at a 5 l/min flow.

Pilot pressure is 110 bar.

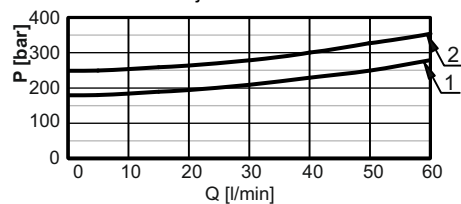


$$P = f(Q)$$

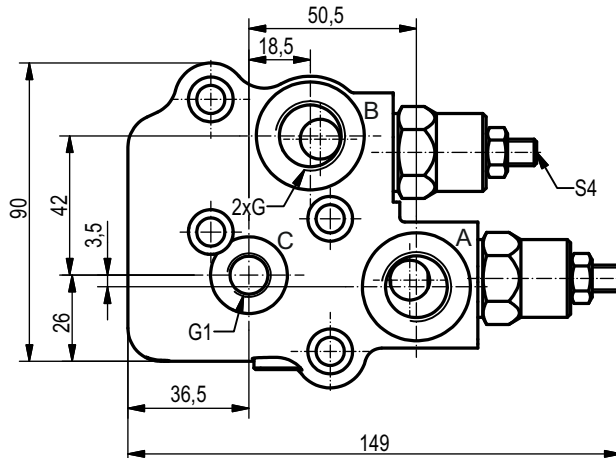
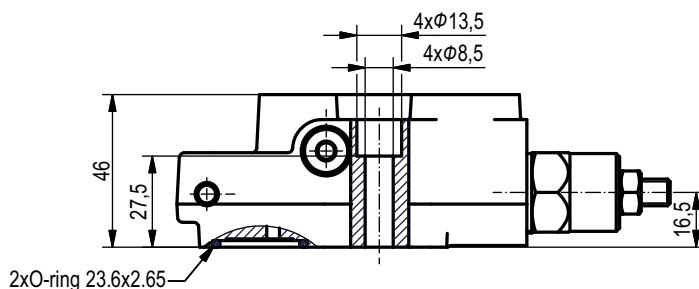
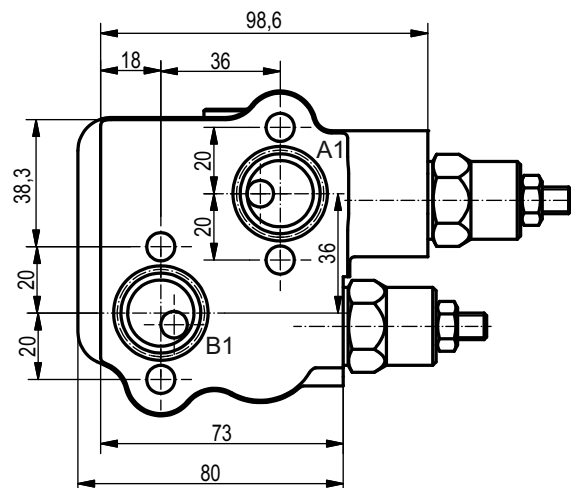
A1 → A / B1 → B/

1 - The valves are adjusted at 180 bar at a 5 l/min flow.

2 - The valves are adjusted at 250 bar at a 5 l/min flow.



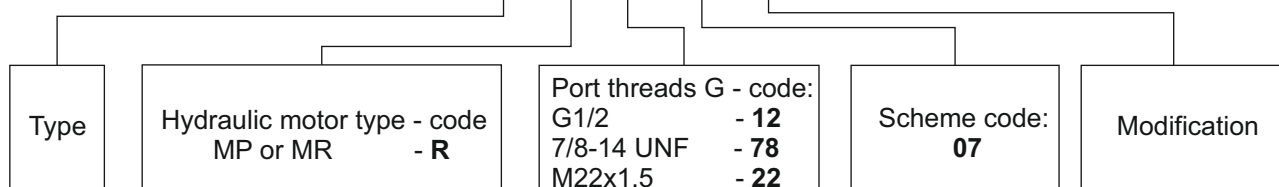
Note: 1. All performances and calibrations are carried out by using hydraulic oil with viscosity approx. 46 cSt at 50°C
2. Working fluid: Viscosity - 10...100 mm²/s;
Temperature range: -20°C...+80°C;
Filtration absolute: 25 µm.



Type	Nominal flow rate L/min	Adj. pressure range bar	Pressure ratio -	P _{max} . bar	Port threads G -	Port threads G1 -
BVR 1207C	60	60...250	4,25:1	250	G1/2 - DIN 3852	G1/4 - DIN 3852
BVR 7807C	60	60...250	4,25:1	250	7/8-14UNF - ISO 11926	7/16-20UNF - ISO 11926
BVR 2207C	60	60...250	4,25:1	250	M22x1,5 - DIN 3852	M14x1,5 - DIN 3852

ORDERING CODE

BV R 12 07 C



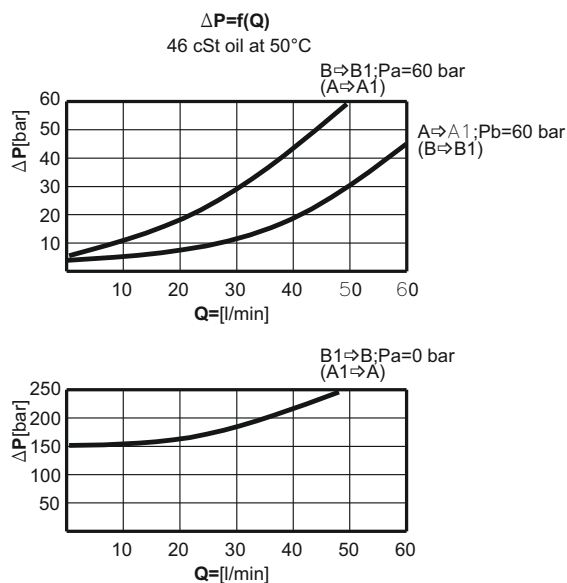
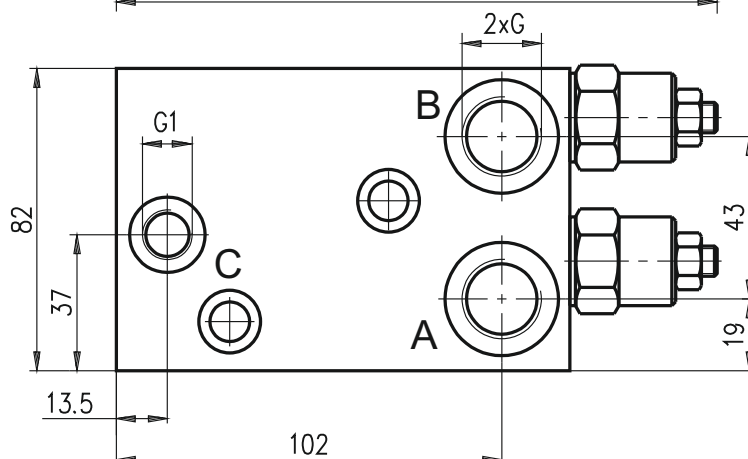
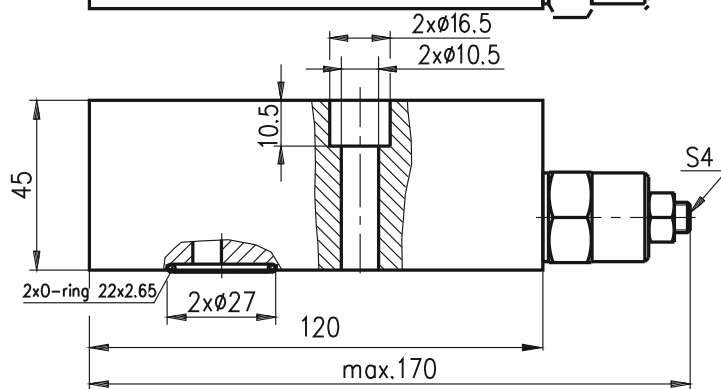
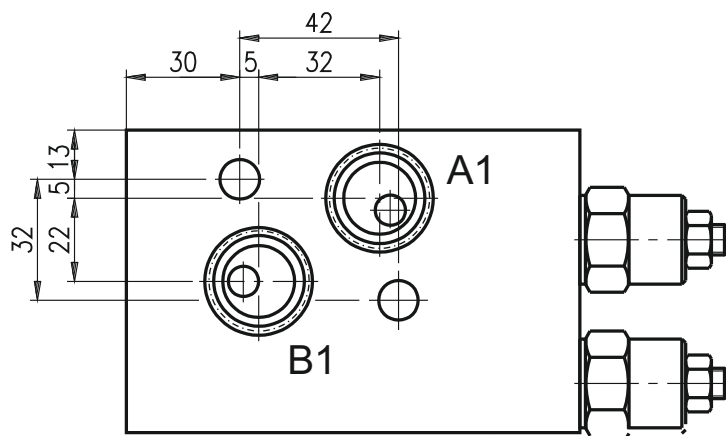
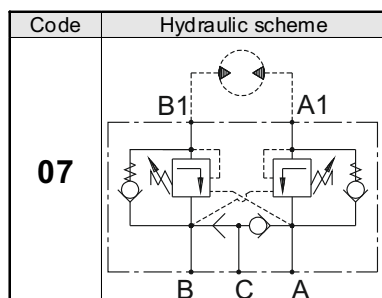


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HYDRAULIC MOTOR BLOCKS TYPE BV

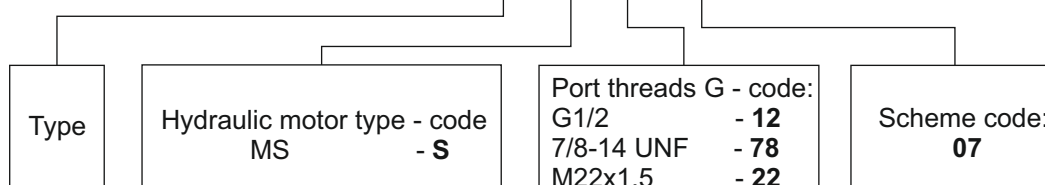
BVS .. 07



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	P _{max.}	Port threads G	Port threads G1
	L/min	bar	-	bar	-	-
BVS 1207	60	60...250	4,25:1	250	G1/2 - DIN 3852	G1/4 - DIN 3852
BVS 7807	60	60...250	4,25:1	250	7/8-14UNF - ISO 11926	7/16-20UNF - ISO 11926
BVS 2207	60	60...250	4,25:1	250	M22x1,5 - DIN 3852	M14x1,5 - DIN 3852

ORDERING CODE

BV S 12 07



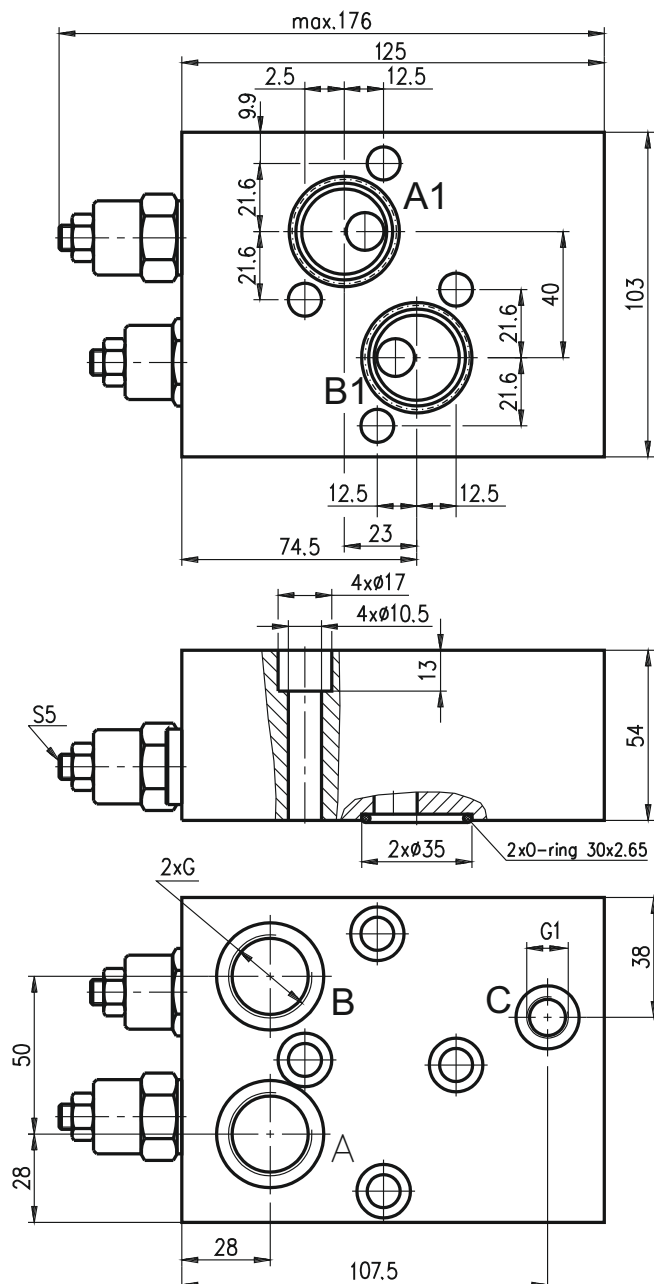
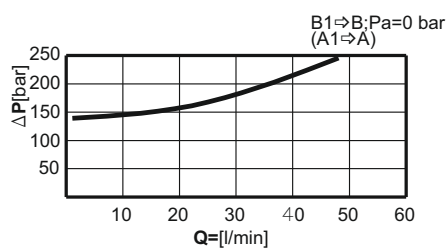
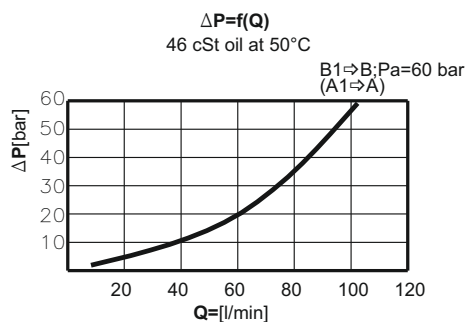
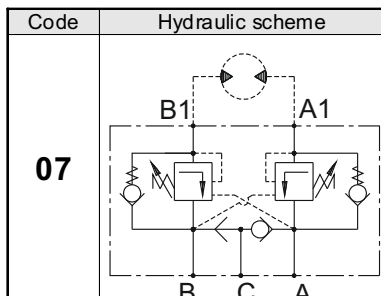


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HYDRAULIC MOTOR BLOCKS TYPE BV

BVT .. 07



Type	Nominal flow rate L/min	Adj. pressure range bar	Pressure ratio -	P _{max.} bar	Port threads G	Port threads G1
BVT 3407	100	60...250	4,25:1	250	G3/4 - DIN 3852	G1/4 - DIN 3852
BVT 111607	100	60...250	4,25:1	250	1 1/16-12UN - ISO 11926	7/16-20UNF - ISO 11926
BVT 2707	100	60...250	4,25:1	250	M27x2 - DIN 3852	M14x1,5 - DIN 3852

ORDERING CODE

BV T 34 07

Type

Hydraulic motor type - code
MT

Port threads G - code:
G3/4 - **34**
1 1/16-12 UN - **1116**
M27x2 - **27**

Scheme code:
07

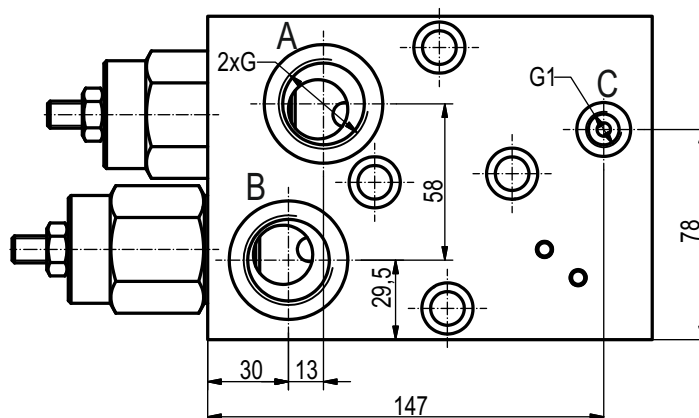
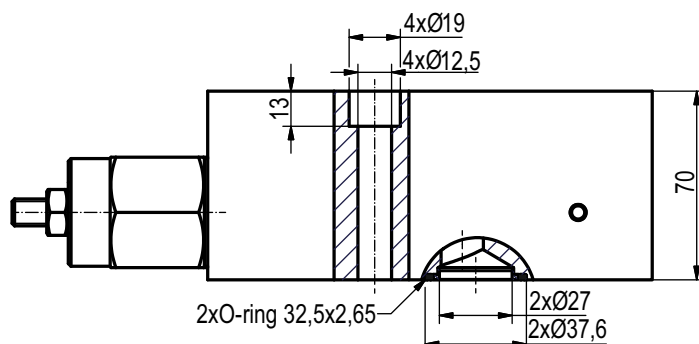
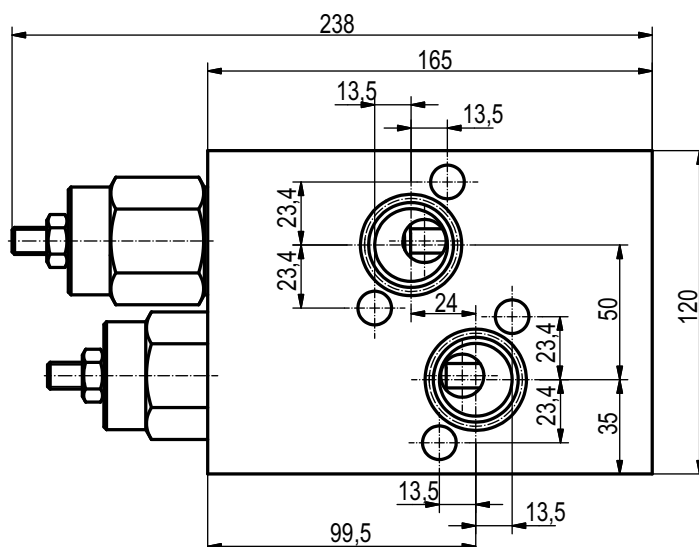
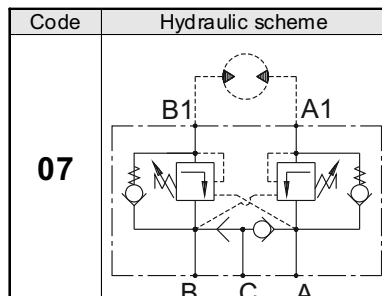
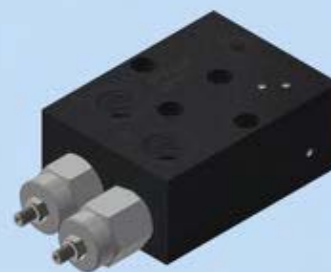


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HYDRAULIC MOTOR BLOCKS TYPE BV

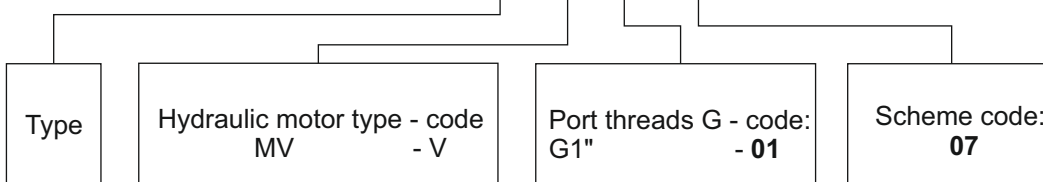
BVV 01 07



Type	Nominal flow rate	Adj. pressure range	Pressure ratio	Pmax.	Port threads G	Port threads G1
	L/min	bar	-	bar	-	-
BVV 0107	200	60...250	4,25:1	250	G1" - DIN 3852	G1/4 - DIN 3852

ORDERING CODE

BV V 01 07



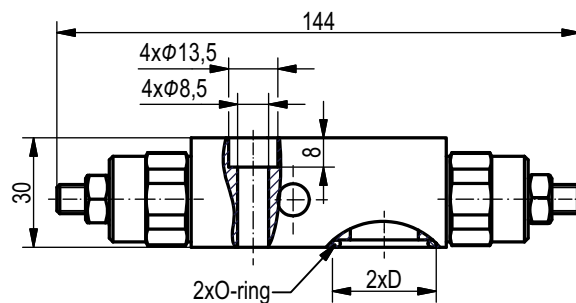
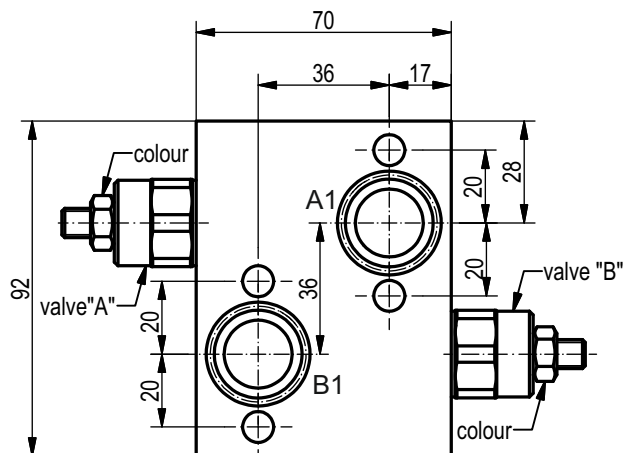
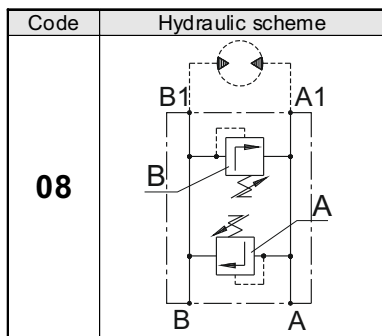


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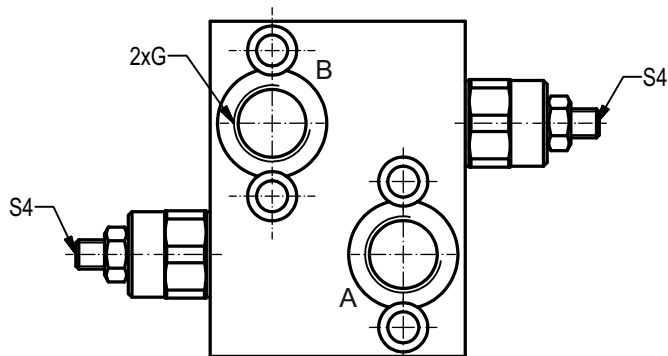
HYDRAULIC MOTOR BLOCKS TYPE BV

BVR .. 08/ ... -... - 1



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

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



Type	Nom. flow rate	P _{max.}	Port threads G	D	O-ring
	L/min	bar	-	mm	-
BVR 1208 / ... -... -1	60	250	G1/2 - DIN 3852	28,5	23,6x2,65
BVR 7808 / ... -... -1	60	250	7/8-14UNF - ISO 1192	29,3	26x2
BVR 2208 / ... -... -1	60	250	M22x1,5 - DIN 3852	28,5	23,6x2,65

ORDERING CODE

BV R 12 08 / A10 A - B25 A - 1

Modification

Type

Hydraulic motor type - code:
MP or MR - **R**

Port threads G - code
G1/2 - **12**
7/8-14 UNF - **78**
M22x1,5 - **22**

Scheme code:
08

Adjustment code:
A; B; C
(see table above)

Pressure range code
valve "A":
10; 25

Adjustment code:
A; B; C
(see table above)

Pressure range code
valve "B":
10; 25