


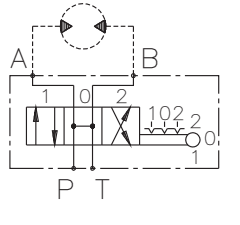

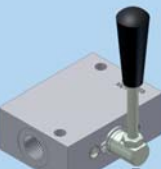
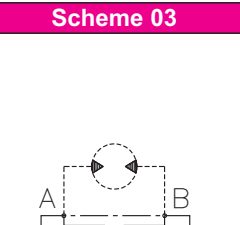
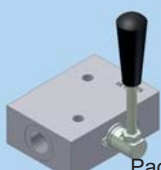
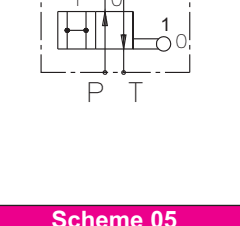

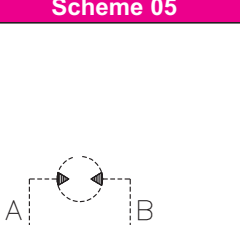

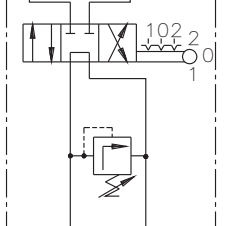




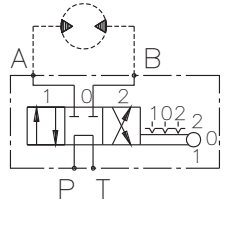


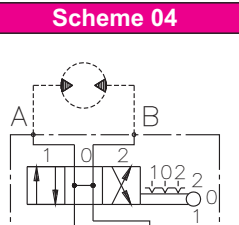

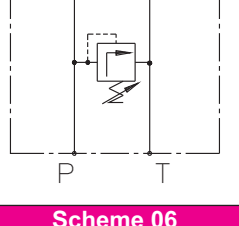
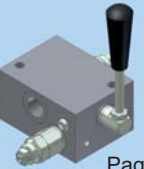
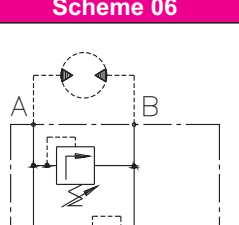

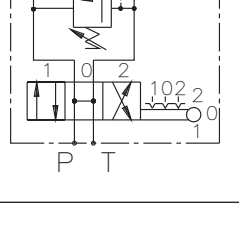



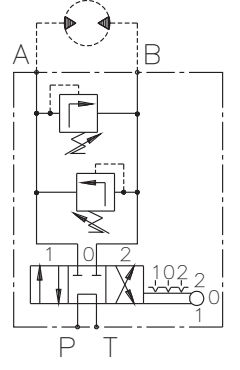

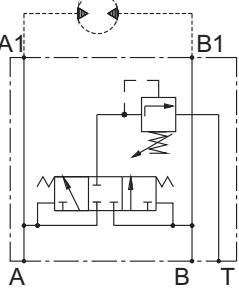

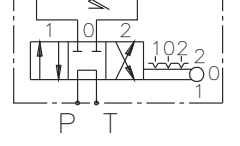

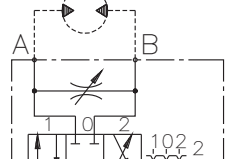

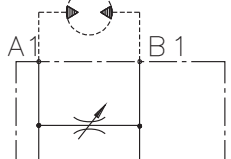

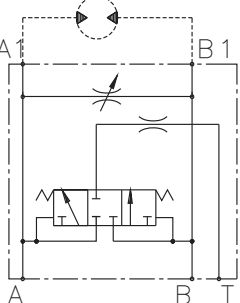
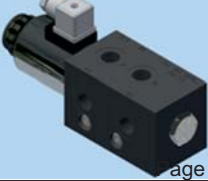
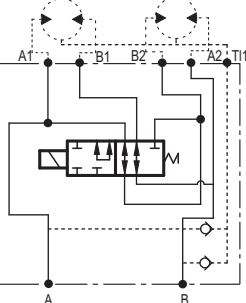


HYDRAULIC MOTOR BLOCKS TYPE BD

BDR 1201  Page 7.1	Scheme 01 
BDS 1201  Page 7.2	
BDT 3401  Page 7.5	
BDR 1203  Page 7.6	Scheme 03 
BDS 1203  Page 7.7	
BDR 1205  Page 7.10	Scheme 05 
BDS 1205  Page 7.11	
BDT 3405  Page 7.12	
BDR 1202  Page 7.3	Scheme 02 
BDS 1202  Page 7.4	
BDT 3402  Page 7.5	
BDR 1204  Page 7.8	Scheme 04 
BDS 1204  Page 7.9	
BDR 1206  Page 7.13	Scheme 06 
BDS 3806  Page 7.14	



HYDRAULIC MOTOR BLOCKS TYPE BD

<p>BDR 1207</p>  <p>Page 7.15</p>	<p>Scheme 12</p> 	<p>BDS 1212</p>  <p>Page 7.18</p>	<p>Scheme 12</p> 
<p>BDS 3807</p>  <p>Page 7.16</p>	<p>Scheme 09</p> 		
<p>BDMH 3809</p>  <p>Page 7.17</p>	<p>Scheme 09</p> 	<p>BDMH 3813 L</p>  <p>Page 7.20</p>	<p>Scheme 13</p> 
<p>BDS 1212A</p>  <p>Page 7.19</p>	<p>Scheme 12A</p> 	<p>BD 1216</p>  <p>Page 7.21</p>	<p>Scheme 16</p> 

The blocks of this group are applied to control manually the direction of the rotation of the hydraulic motors, to which they are assembled. In the page below the different patterns of distribution are displayed. Options are possible with built-in safety valves to limit the pressure in the corresponding direction, according to the pattern. The control is realized by a 90° rotation of a handle to the left or right side of its initial (straight) position.

Block are installed directly on motor with bolts M8-8.8 for EPM or EPRM motors and M10-8.8 DIN912 for EPMS or EPMT motors. Tightening torque: M8 - 20 N.m ; M10 - 45 N.m
Working fluid - Hydraulic oil . Filtration - level of 25 μm
Temperature range from -20 to +80°C





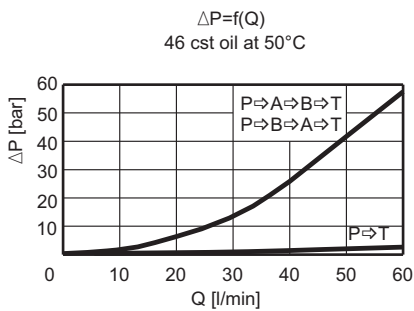
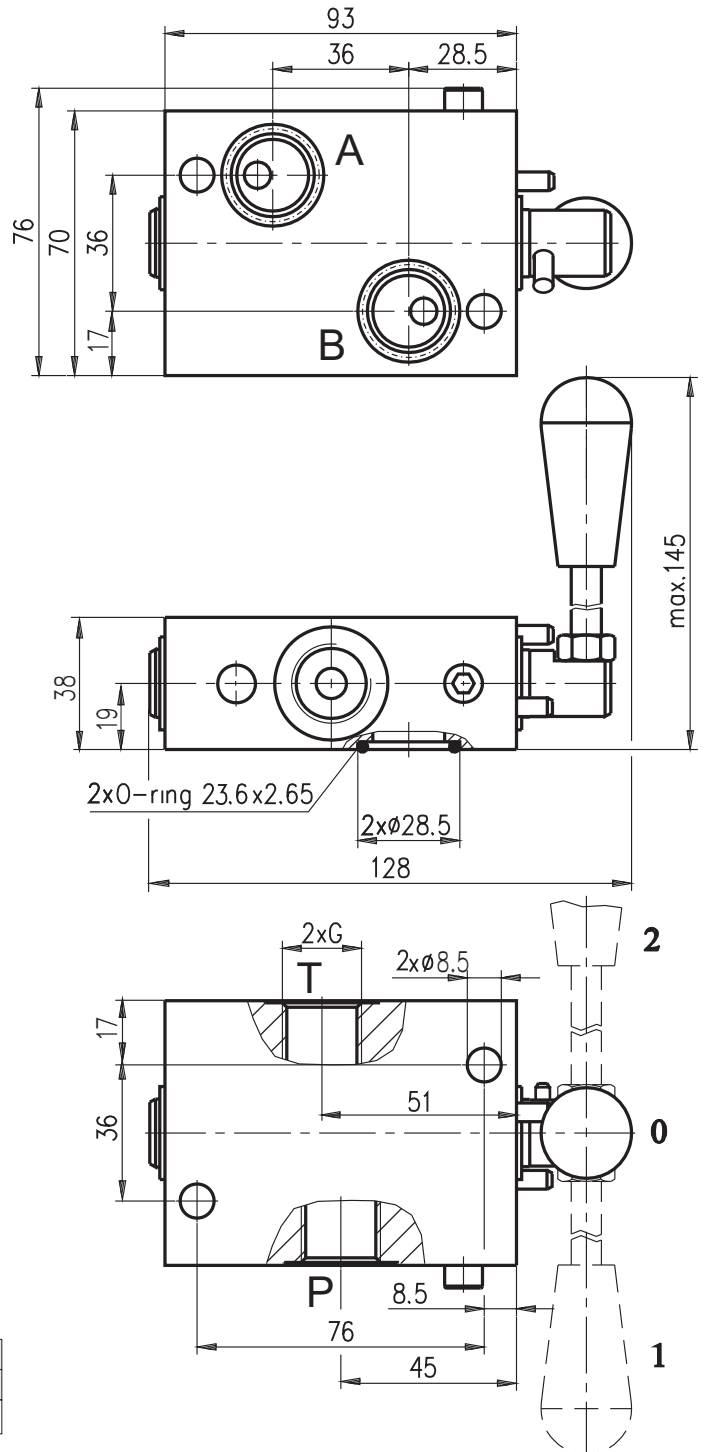
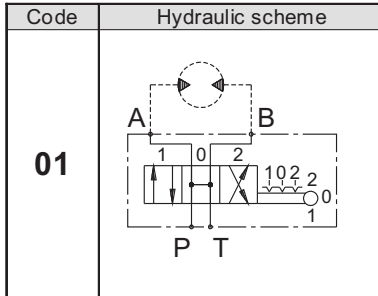
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

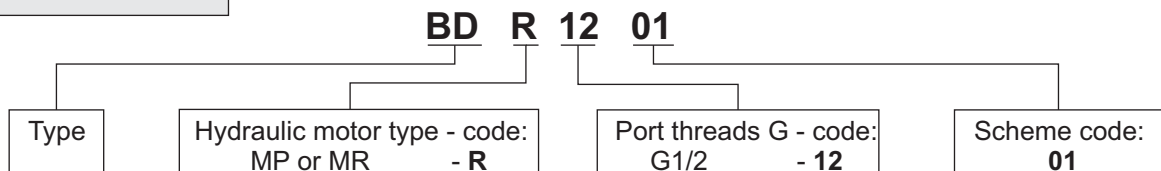


BDR 1201



Type	Nom. flow rate	P _{nom.}	Port threads G
	L/min	bar	-
BDR 1201	60	210	G1/2 - DIN 3852

ORDERING CODE



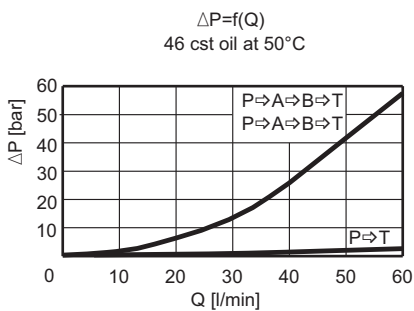
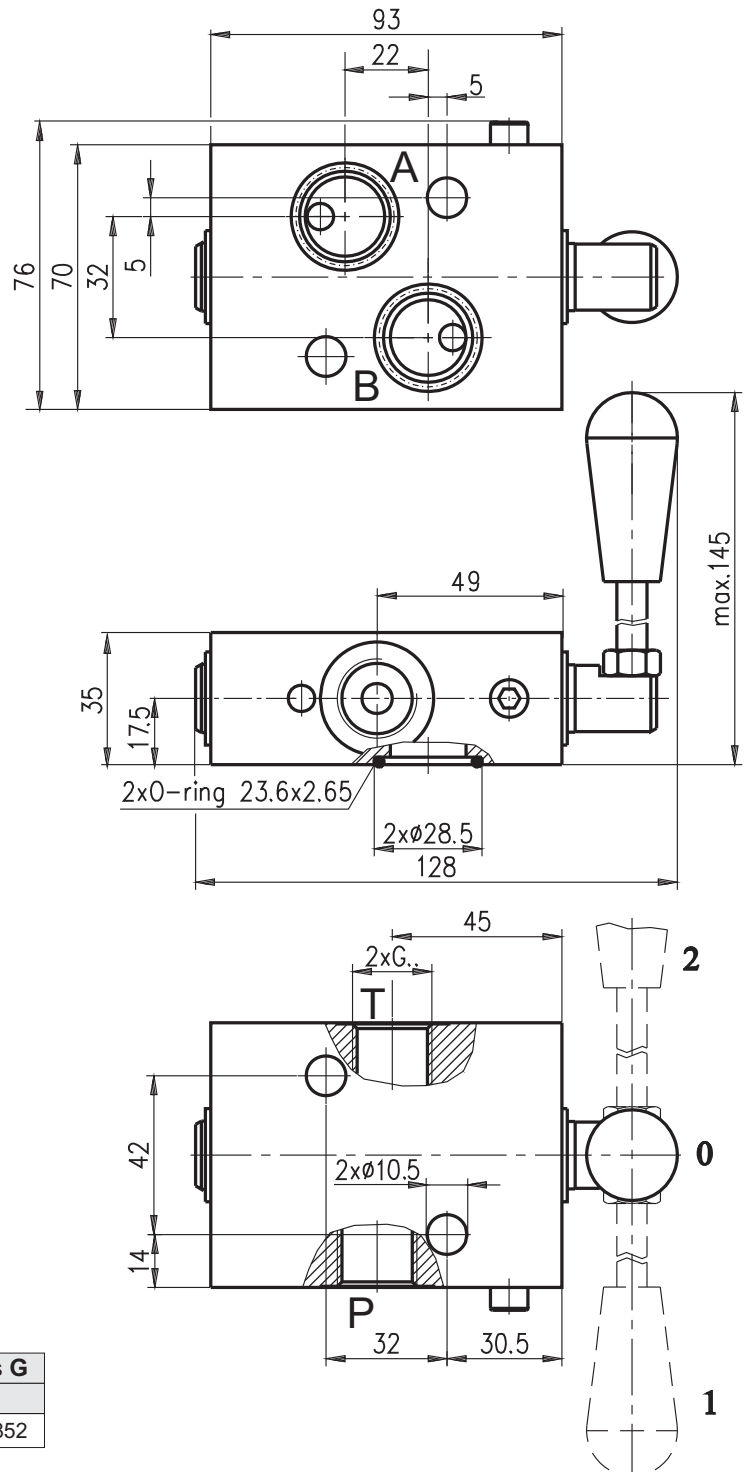
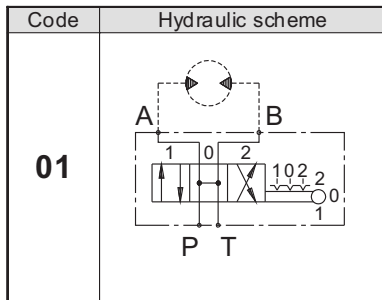


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

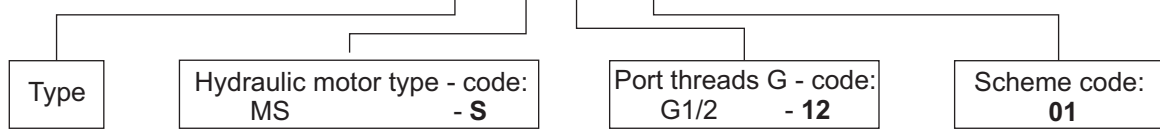
BDS 1201



Type	Nom. flow rate L/min	Pnom. bar	Port threads G
BDS 1201	60	210	G1/2 - DIN 3852

ORDERING CODE

BD S 12 01

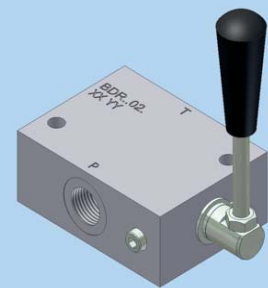




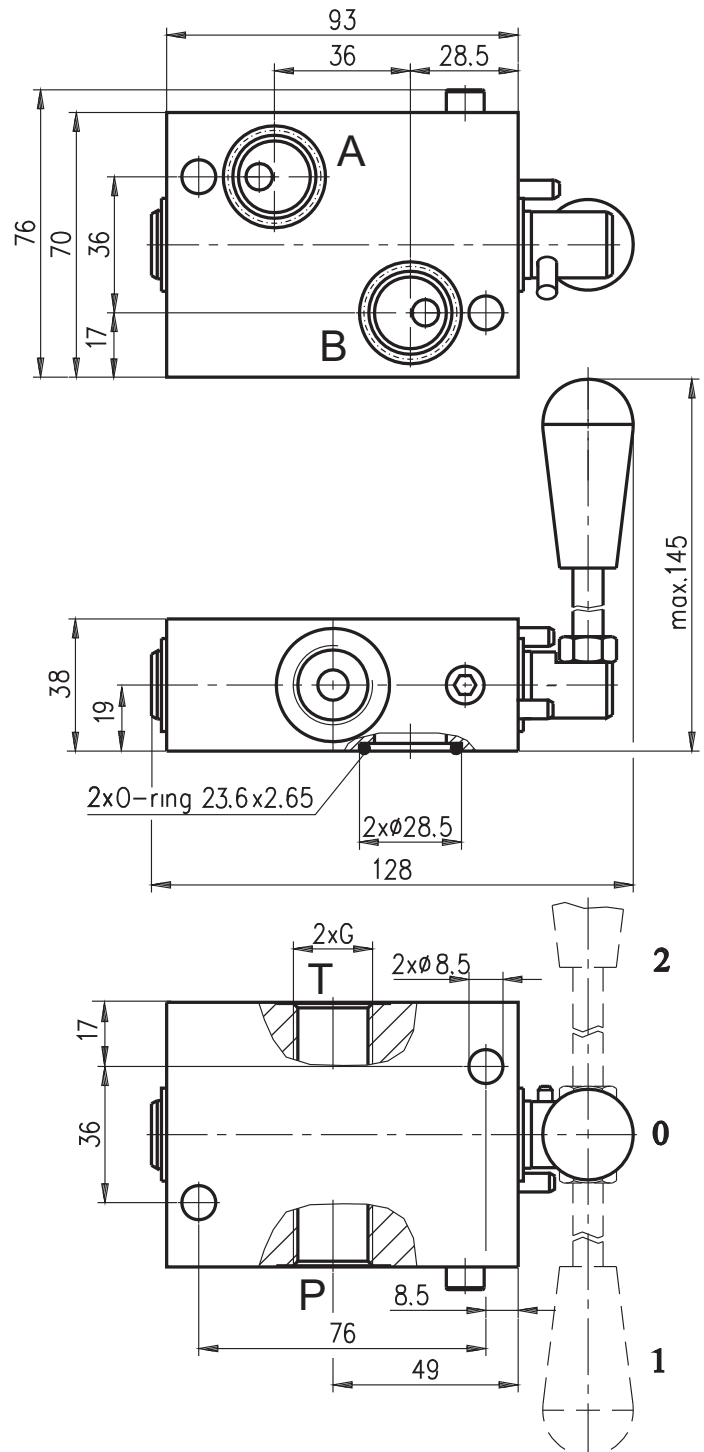
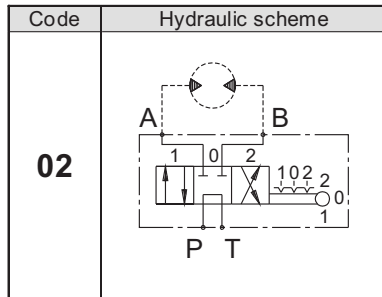
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

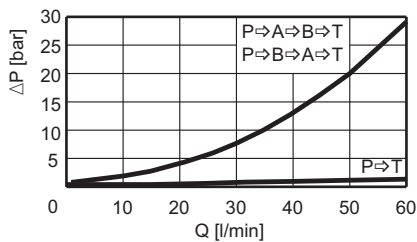
HYDRAULIC MOTOR BLOCKS TYPE BD



BDR 1202 .



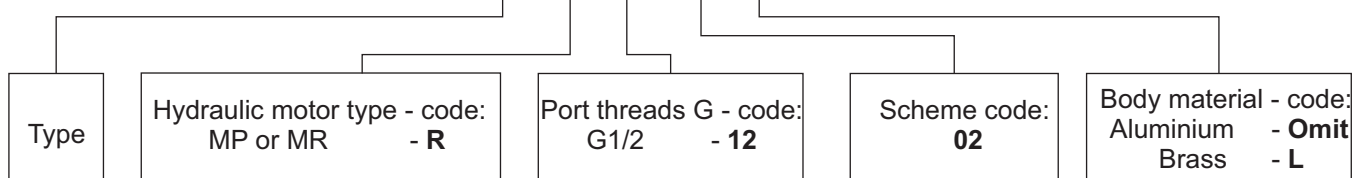
$\Delta P=f(Q)$
46 cst oil at 50°C



Type	Nom. flow rate	P _{nom.}	Port threads G
	L/min	bar	-
BDR 1202 .	60	210	G1/2 - DIN 3852

ORDERING CODE

BD R 12 02 L





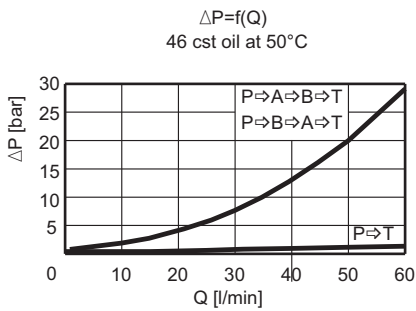
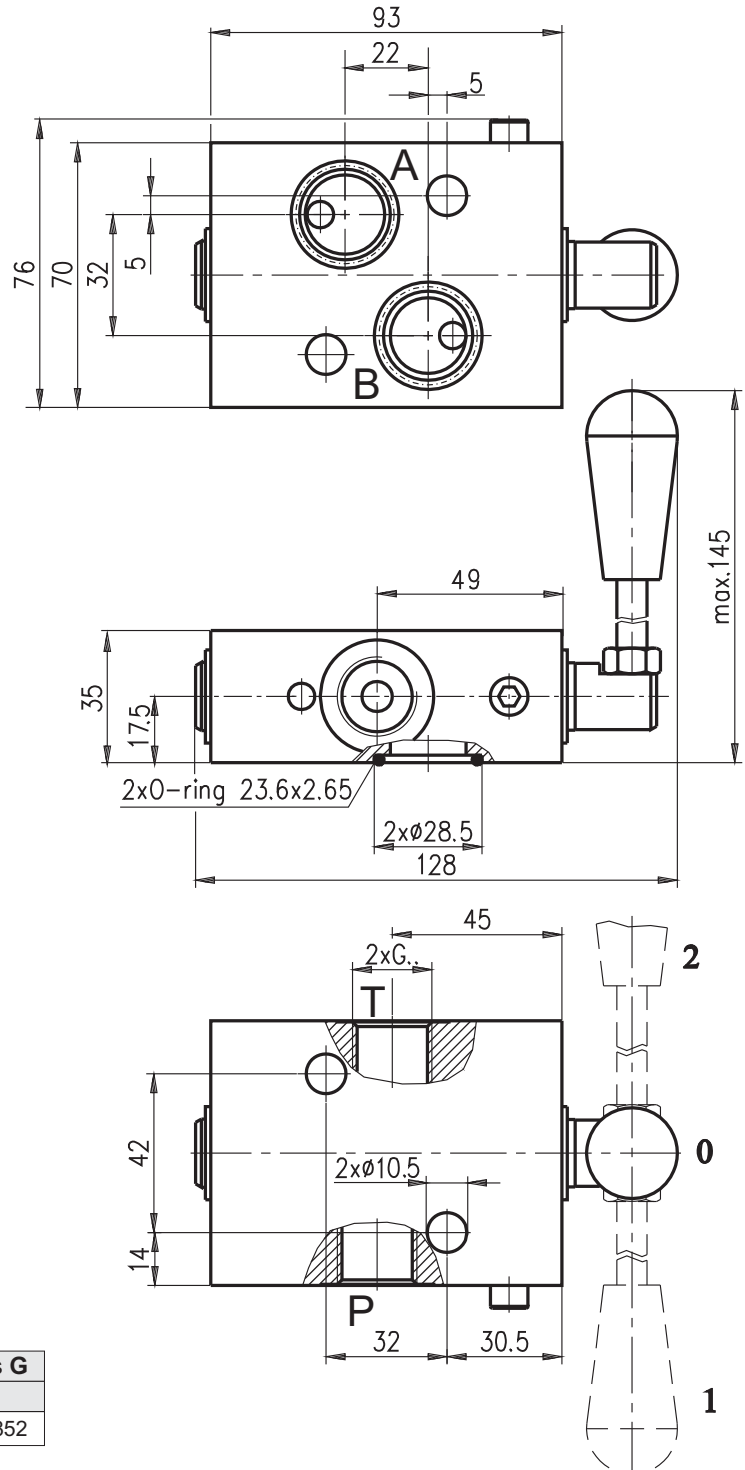
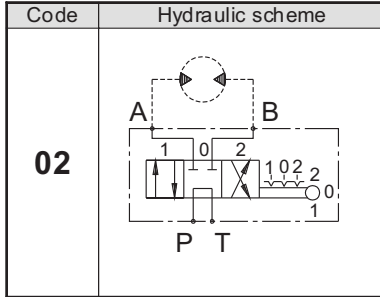
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD



BDS 1202



Type	Nom. flow rate L/min	P _{nom.} bar	Port threads G
BDS 1202	60	210	G1/2 - DIN 3852

ORDERING CODE

BD S 12 02



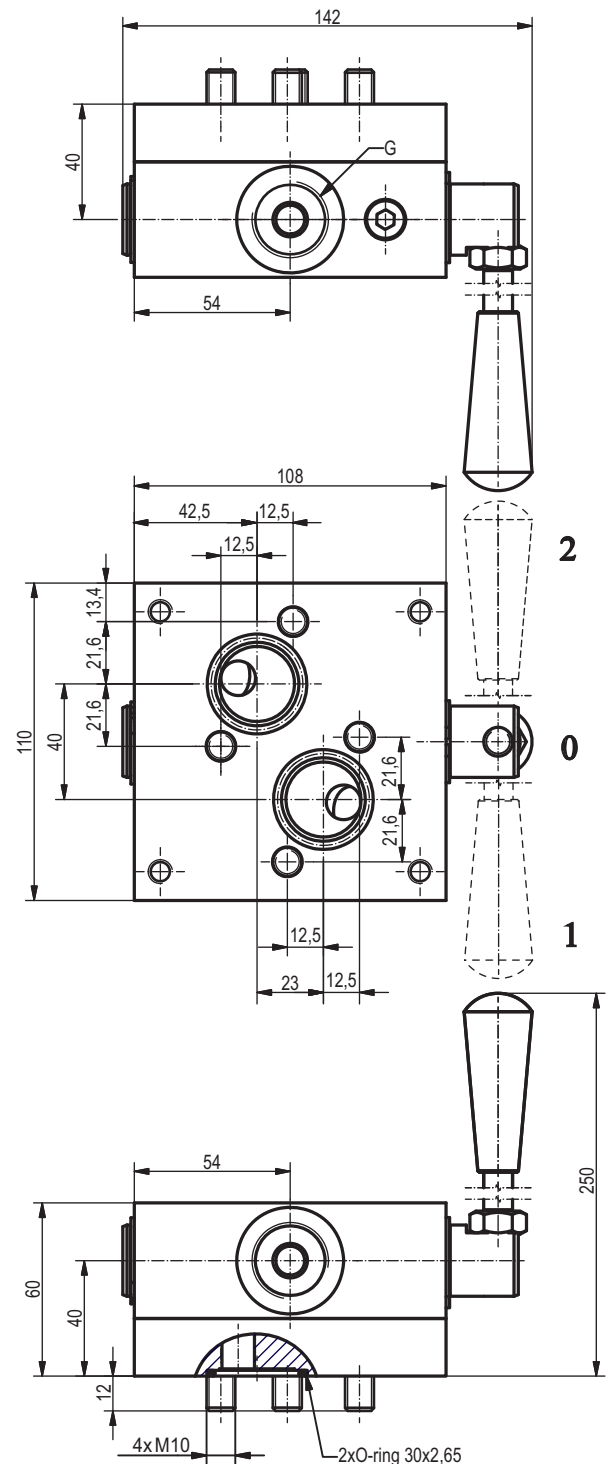
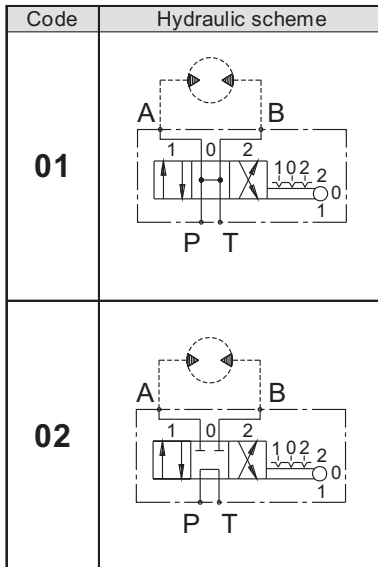


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

BDT 34..



Type	Nom. flow rate	P _{nom.}	Port threads G
	L/min		
BDT 3401	120	160	G3/4 - DIN 3852
BDT 3402	120	160	G3/4 - DIN 3852

ORDERING CODE

BD T 34 01



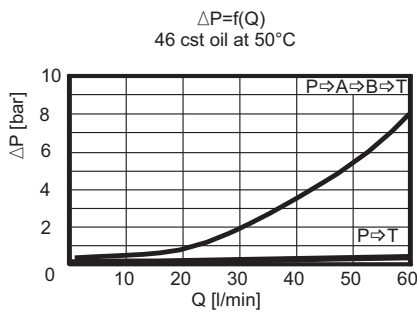
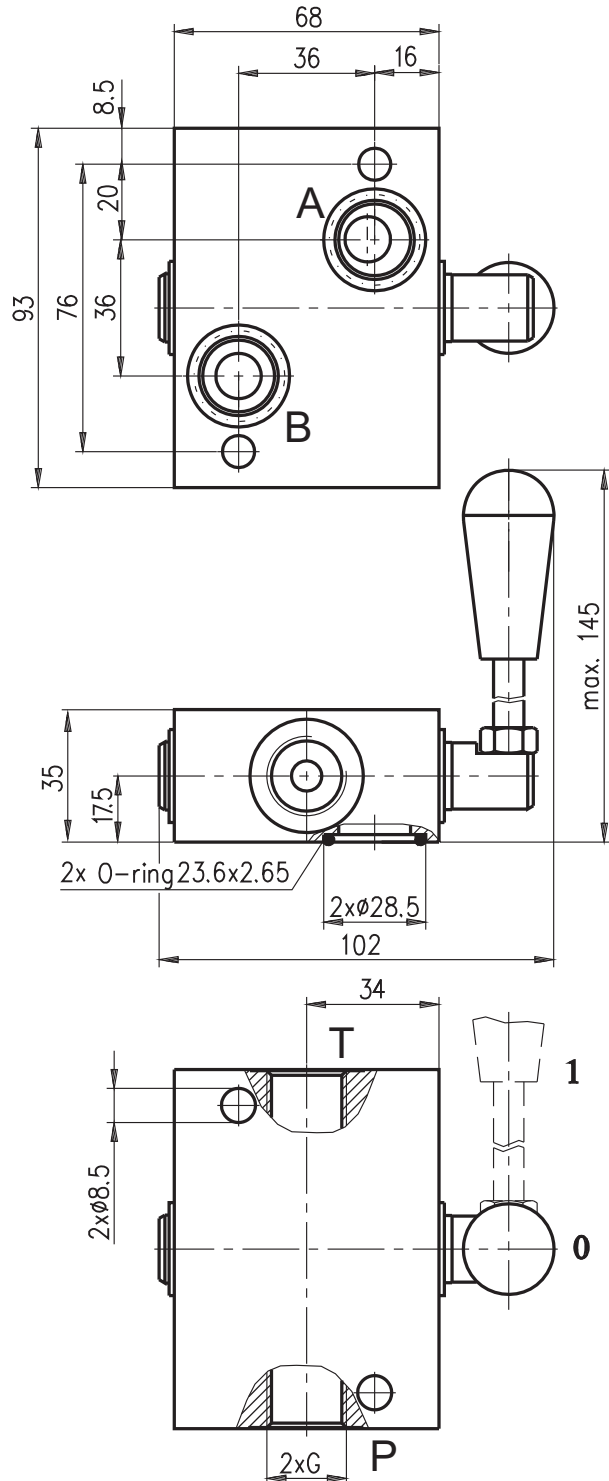
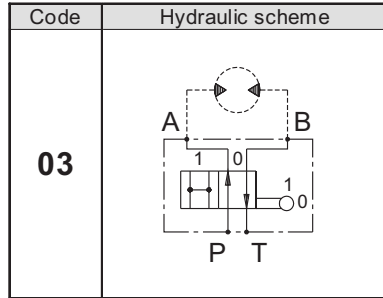
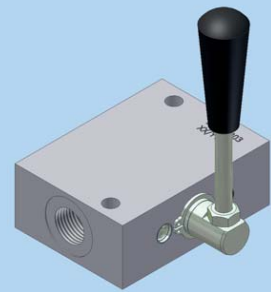


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

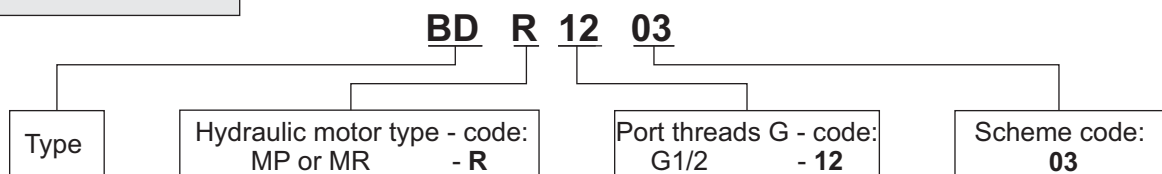
HYDRAULIC MOTOR BLOCKS TYPE BD

BDR 1203



Type	Nom. flow rate	P_{nom.}	Port threads G
	L/min	bar	-
BDR 1203	60	210	G1/2 - DIN 3852

ORDERING CODE

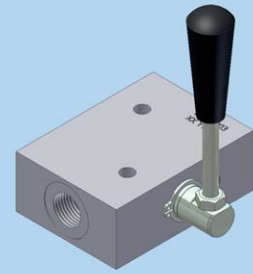




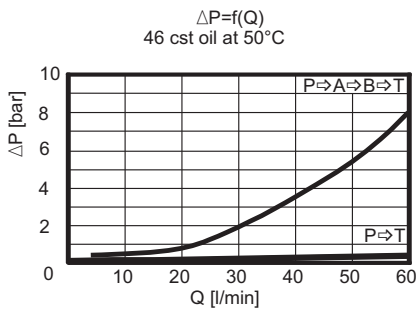
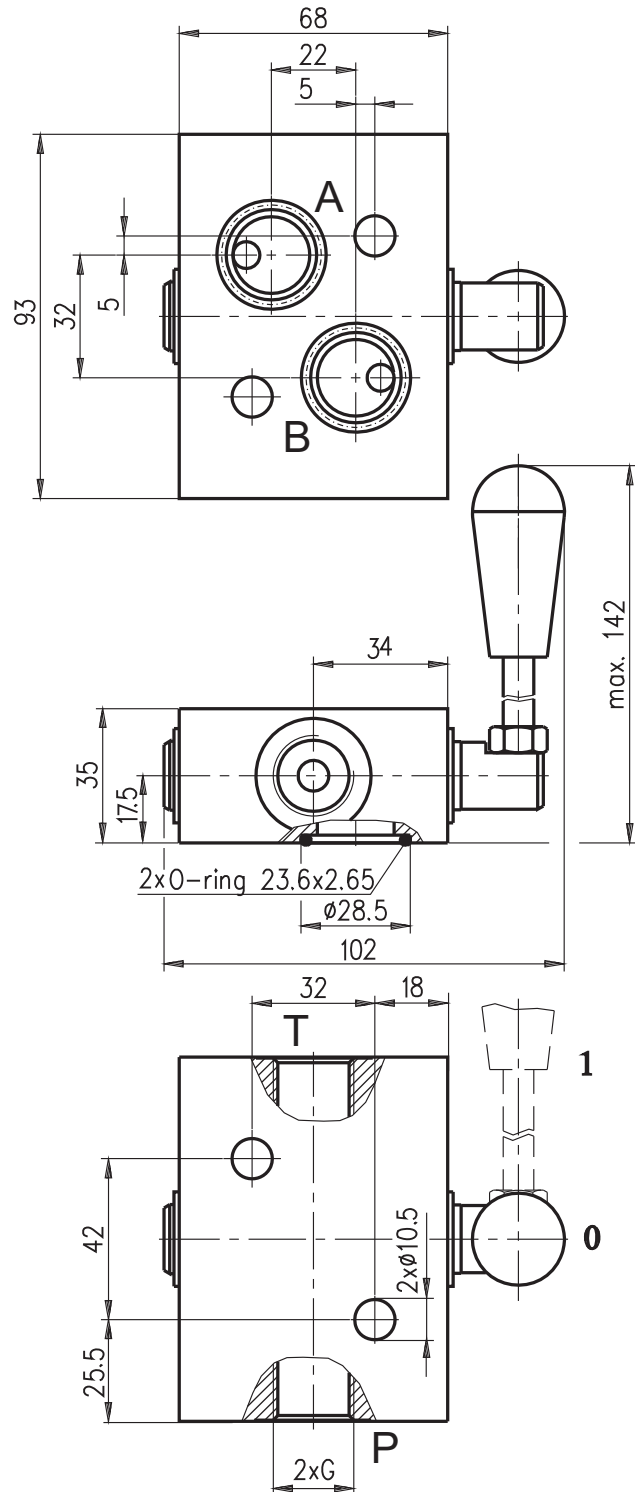
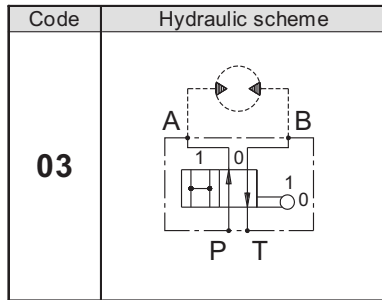
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD



BDS 1203



Type	Nom. flow rate	P _{nom.}	Port threads G
	L/min	bar	-
BDS 1203	60	210	G1/2 - DIN 3852

ORDERING CODE

BD S 12 03



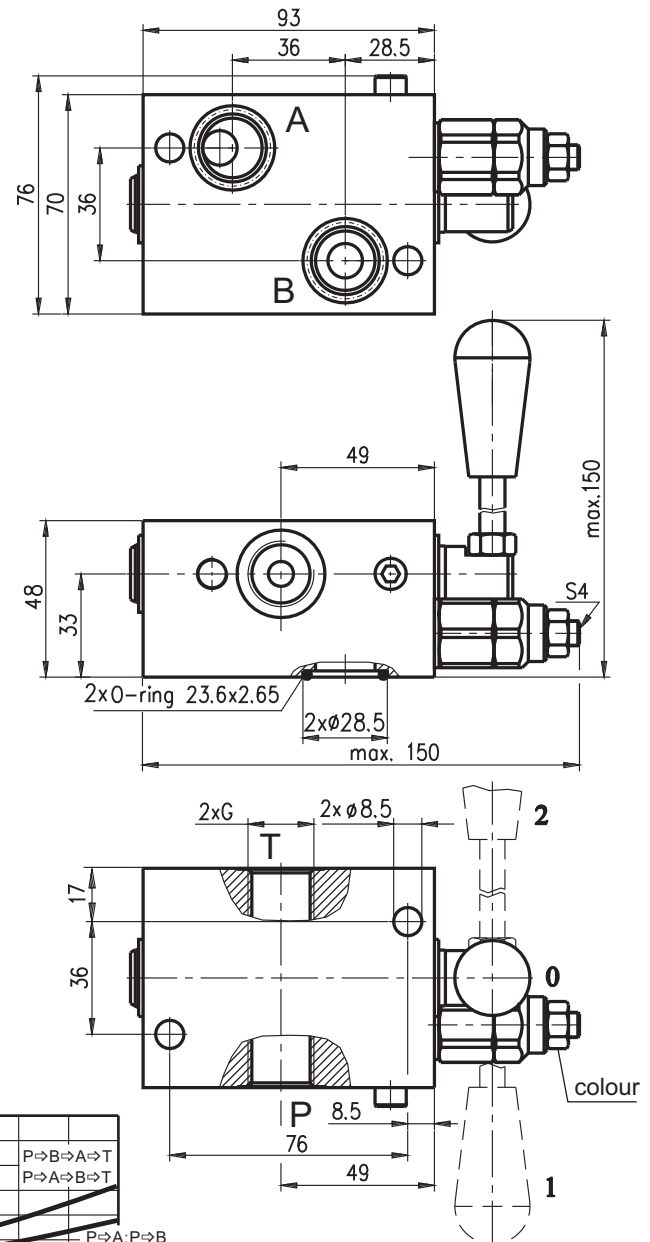
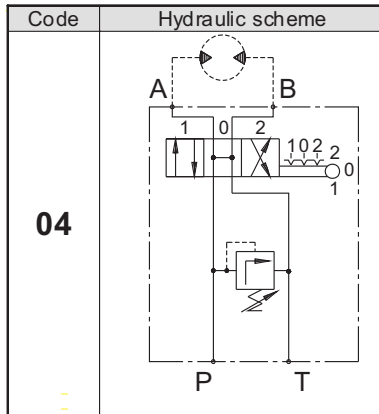
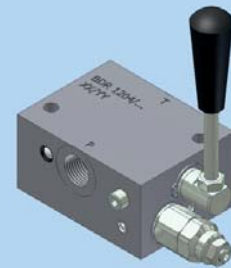


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

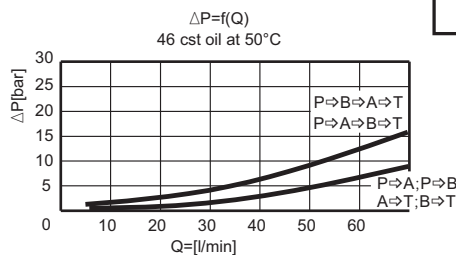
HYDRAULIC MOTOR BLOCKS TYPE BD

BDR 1204 . / ...



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

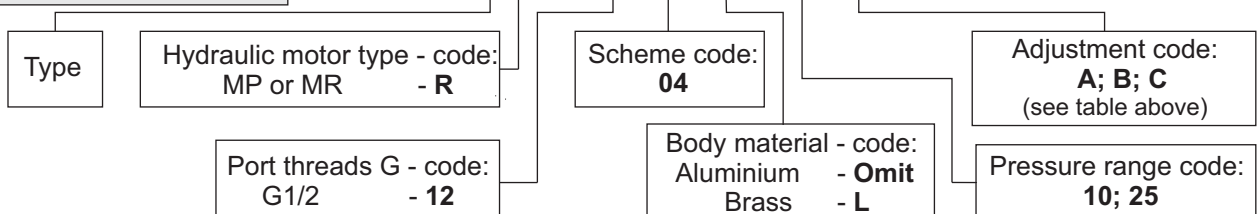
Code	Adjustment
A	Leakproof hex. socket screw
B	Handknob and locknut
C	Sealing cap



Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDR 1204 . / ...	60	250	G1/2 - DIN 3852

ORDERING CODE

BD R 12 04 L / 10 A



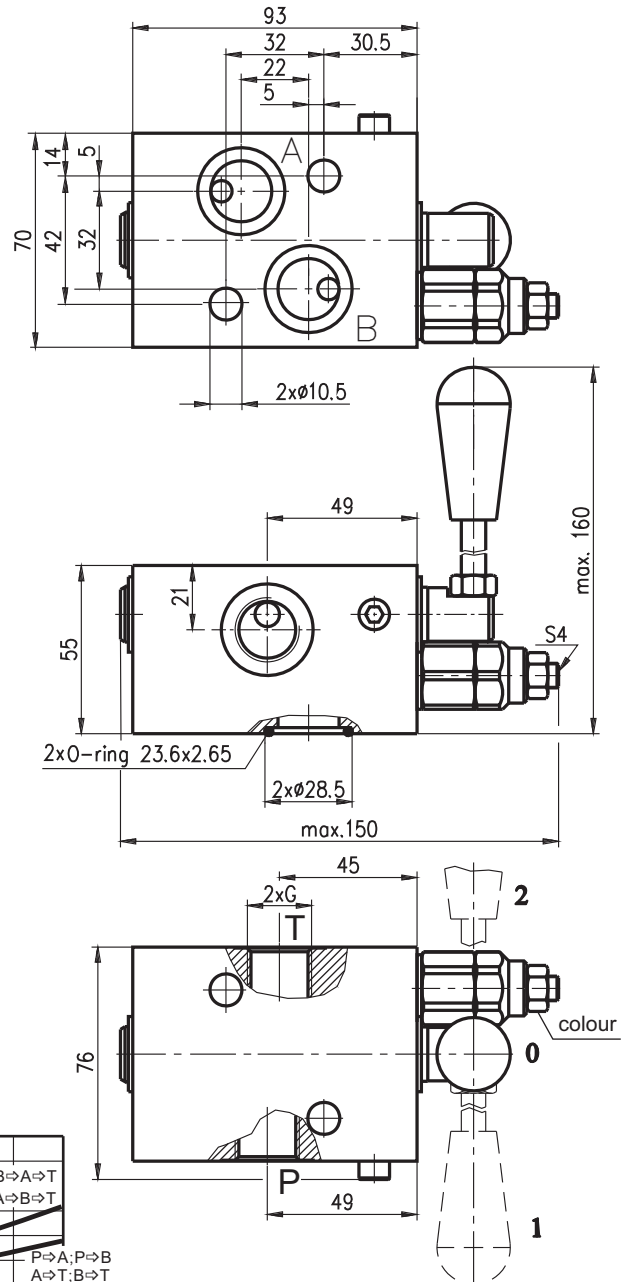
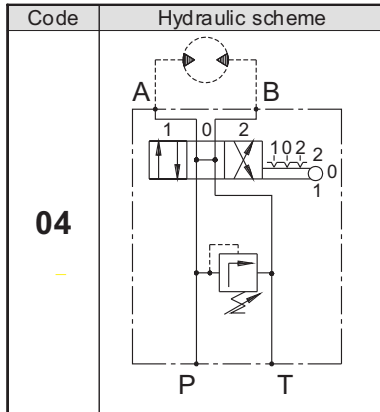


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

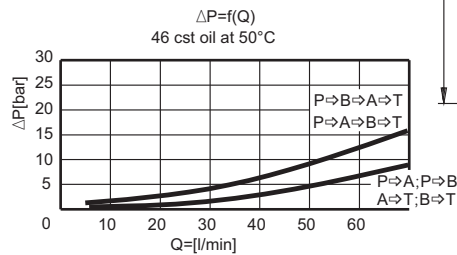
HYDRAULIC MOTOR BLOCKS TYPE BD

BDS 1204 ./... .



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

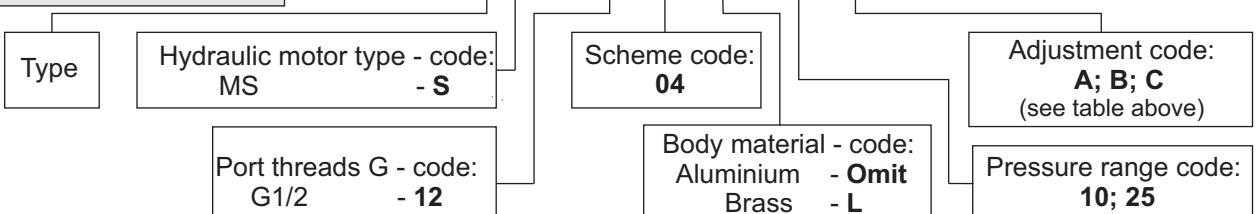
Code	Adjustment
A	Leakproof hex. socket screw
B	Handknob and locknut
C	Sealing cap



Type	Nom. flow rate L/min	P _{max.} bar	Port threads G
BDS 1204 ./... .	60	250	G1/2 - DIN 3852

ORDERING CODE

BD S 12 04 L / 10 A



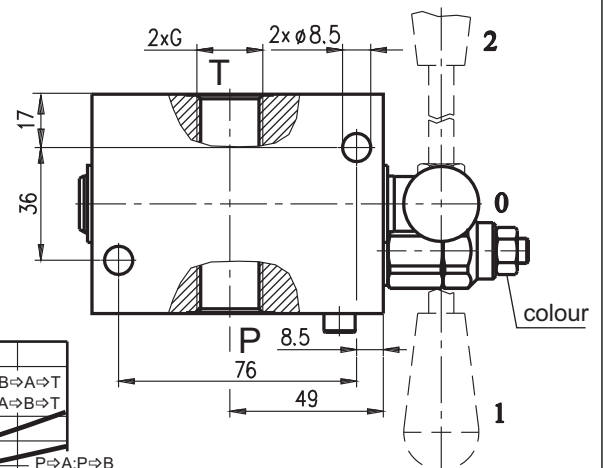
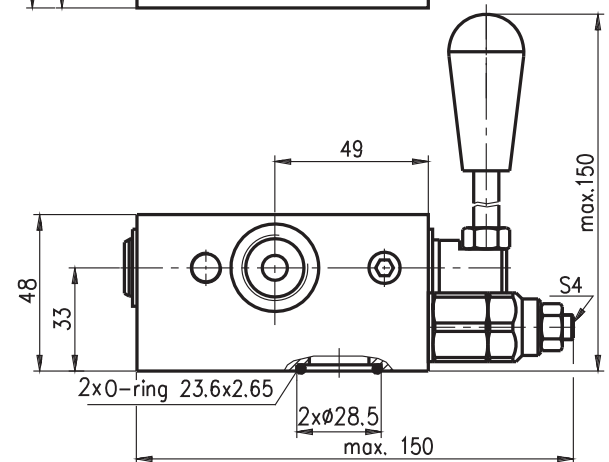
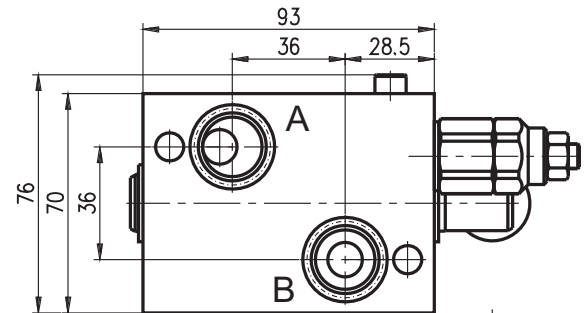
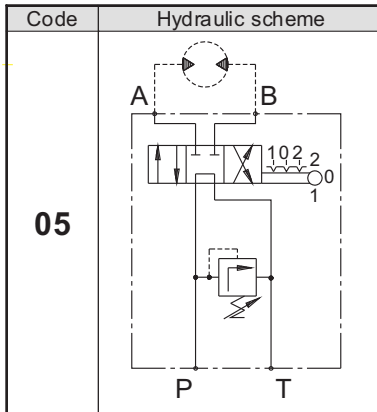
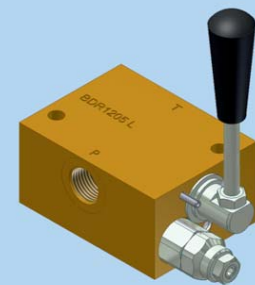


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

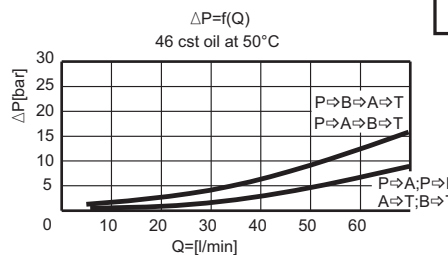
HYDRAULIC MOTOR BLOCKS TYPE BD

BDR 1205 . / . . .



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

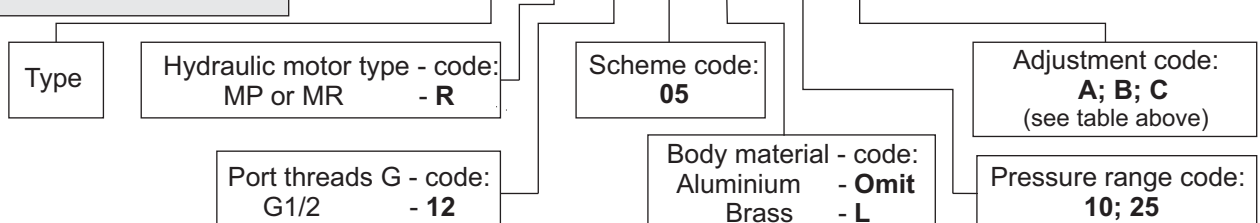
Code	Adjustment
A	Leakproof hex. socket screw
B	Handknob and locknut
C	Sealing cap



Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDR 1205 . / . . .	70	250	G1/2 - DIN 3852

ORDERING CODE

BD R 12 05 L / 10 A



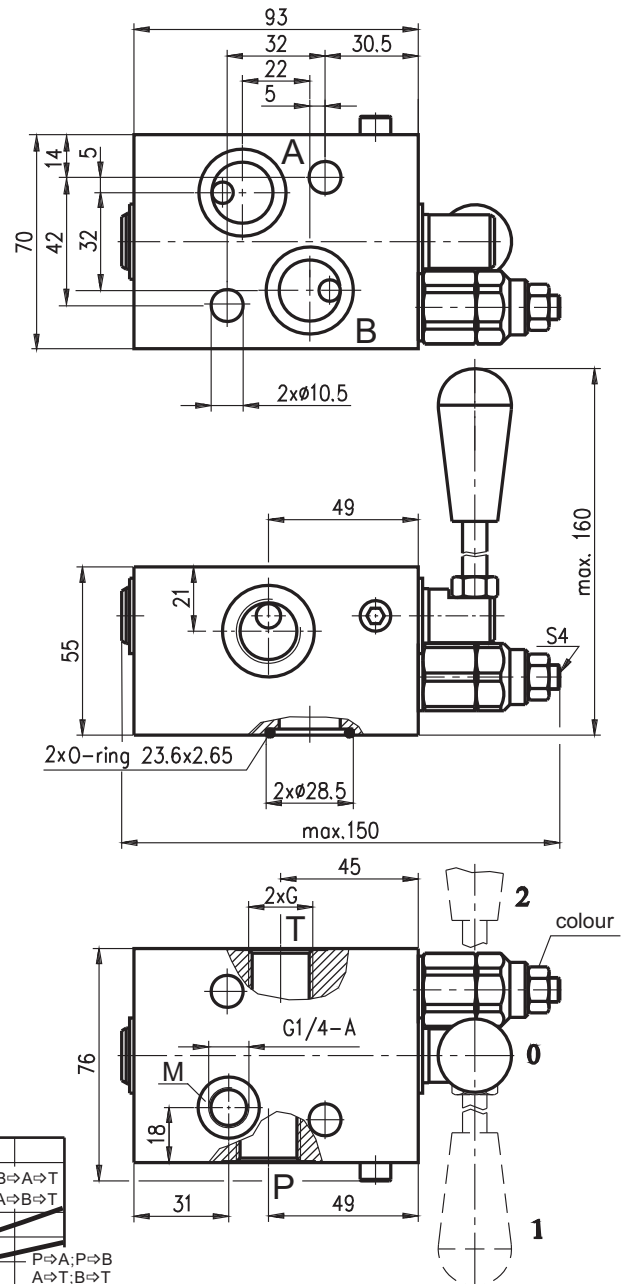
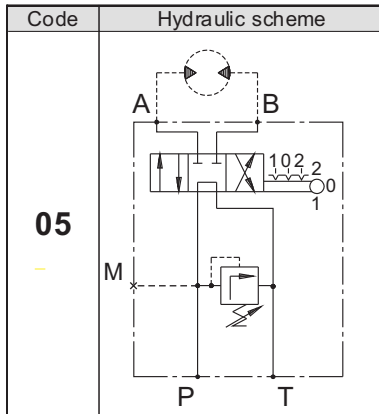
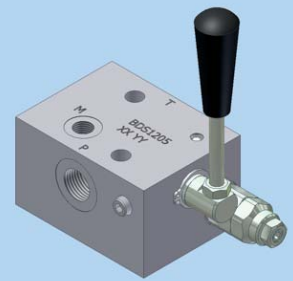


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

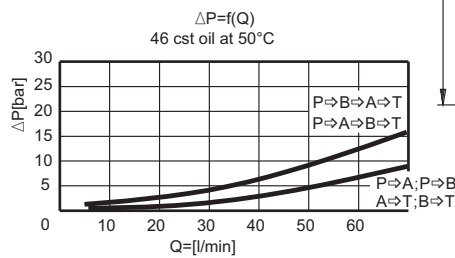
HYDRAULIC MOTOR BLOCKS TYPE BD

BDS 1205 ./. . .



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 L/min	P _{max.} bar	Port threads G
BDS 38... / . . .	25	250	G3/8 - DIN 3852
BDS 12... / . . .	60	250	G1/2 - DIN 3852

ORDERING CODE

BD S 12 05 L / 10 A

Type

Hydraulic motor type - code:
MS - **S**

Port threads G - code:
G3/8 - **38**
G1/2 - **12**

Scheme code:
04; 05

Body material - code:
Aluminium - **Omit**
Brass - **L**

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

Pressure range code:
10; 25

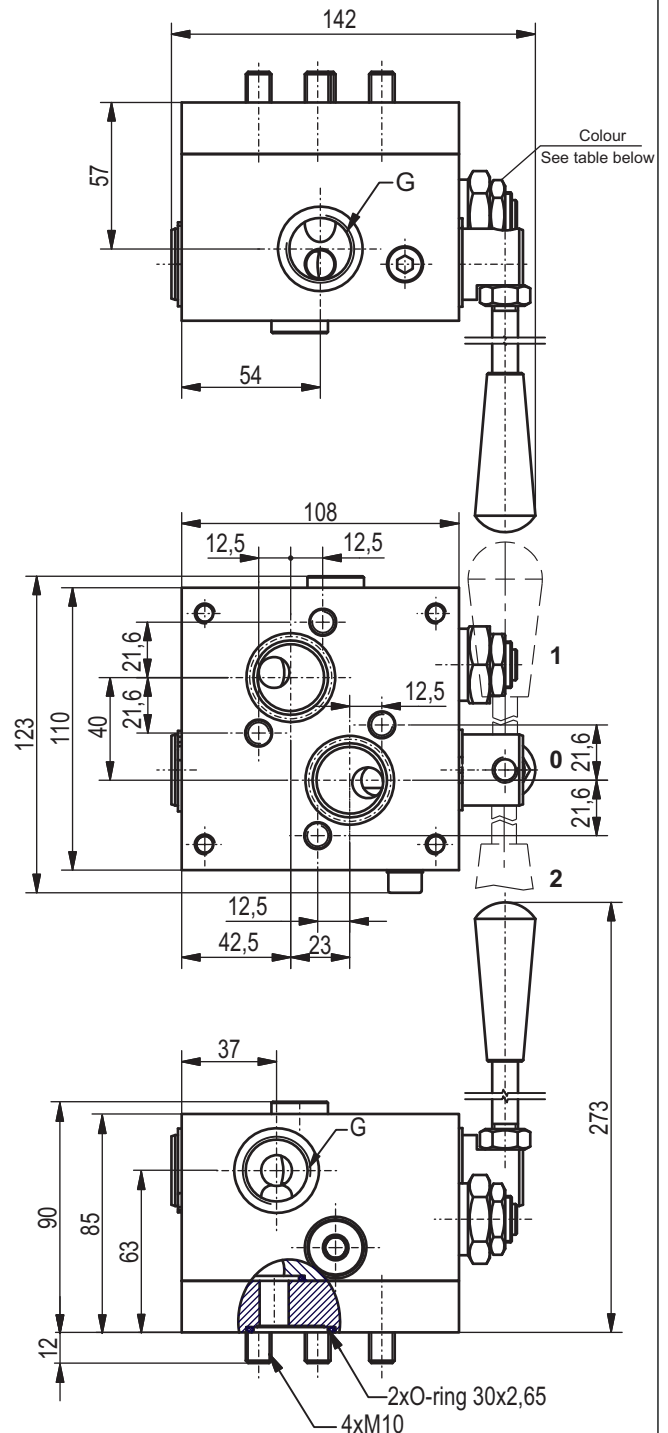
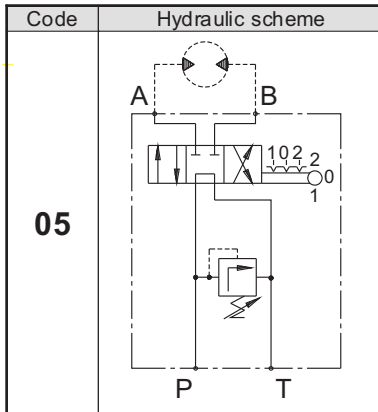
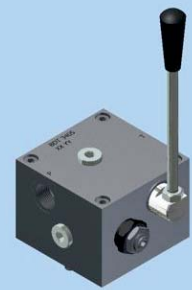


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

BDT 3405 / ..



Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDT 3405 . / ..	100	200	G3/4 - DIN 3852

Pressure range			
Code	Standard setting (Q=5l/min)	Adj. pressure range	Colour
	bar	bar	
10	80	5...100	White
20	160	15...200	Yellow

ORDERING CODE

BD T 34 05 / 10

Type

Hydraulic motor type - code:
MT

Port threads G - code:
G3/4 - 34

Scheme code:
05

Pressure range code:
10; 20

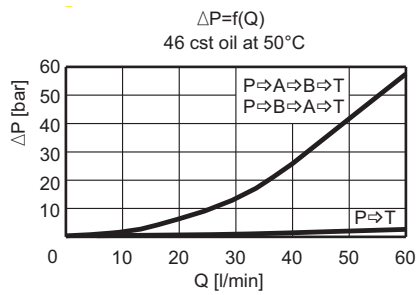
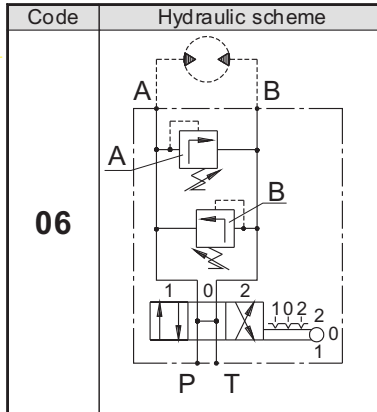



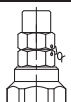
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

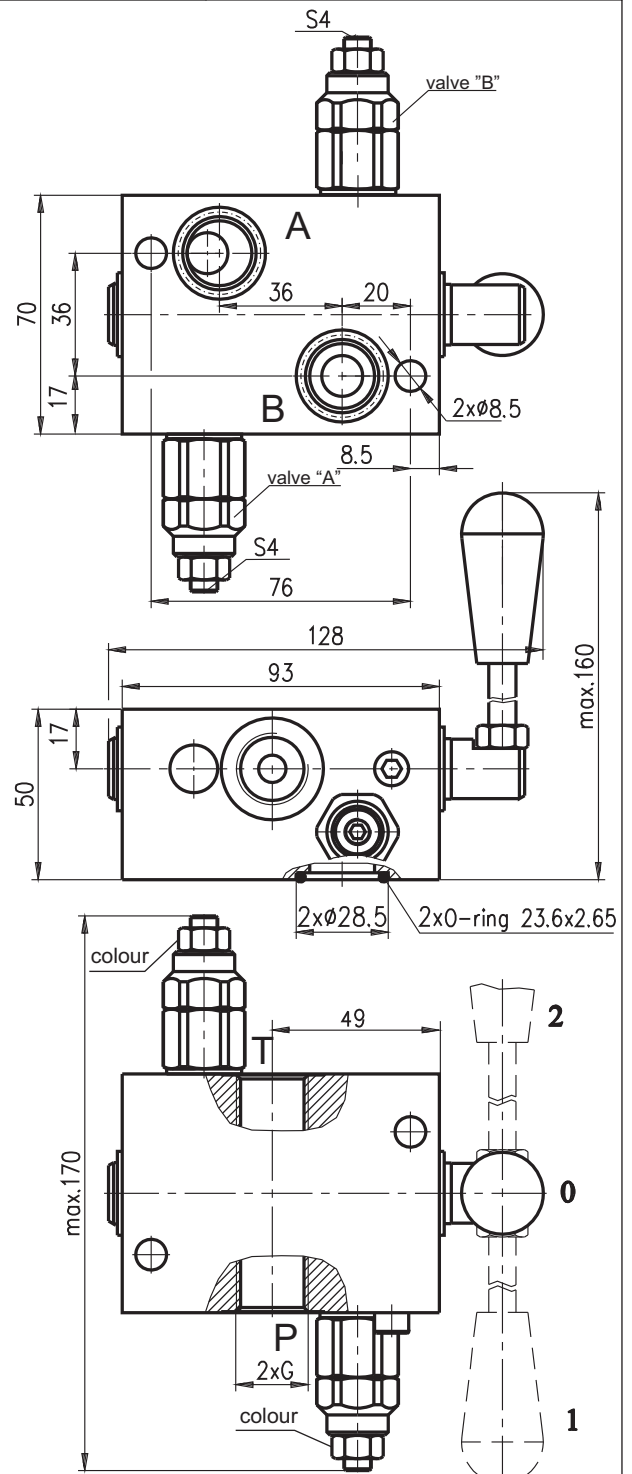
BDR 1206/... - ...



Code	Adjustment
A	Leakproof hex. socket screw 
C	Sealing cap 

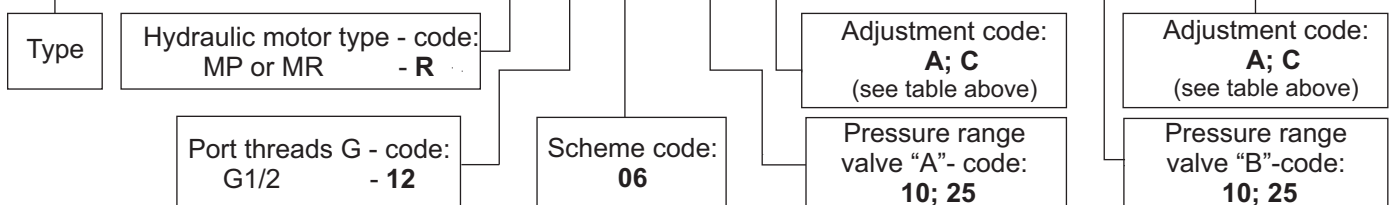
Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDR 1206 /... -... -	60	250	G12 - DIN 3852

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



ORDERING CODE

BD R 12 06 / A10 A - B25 A



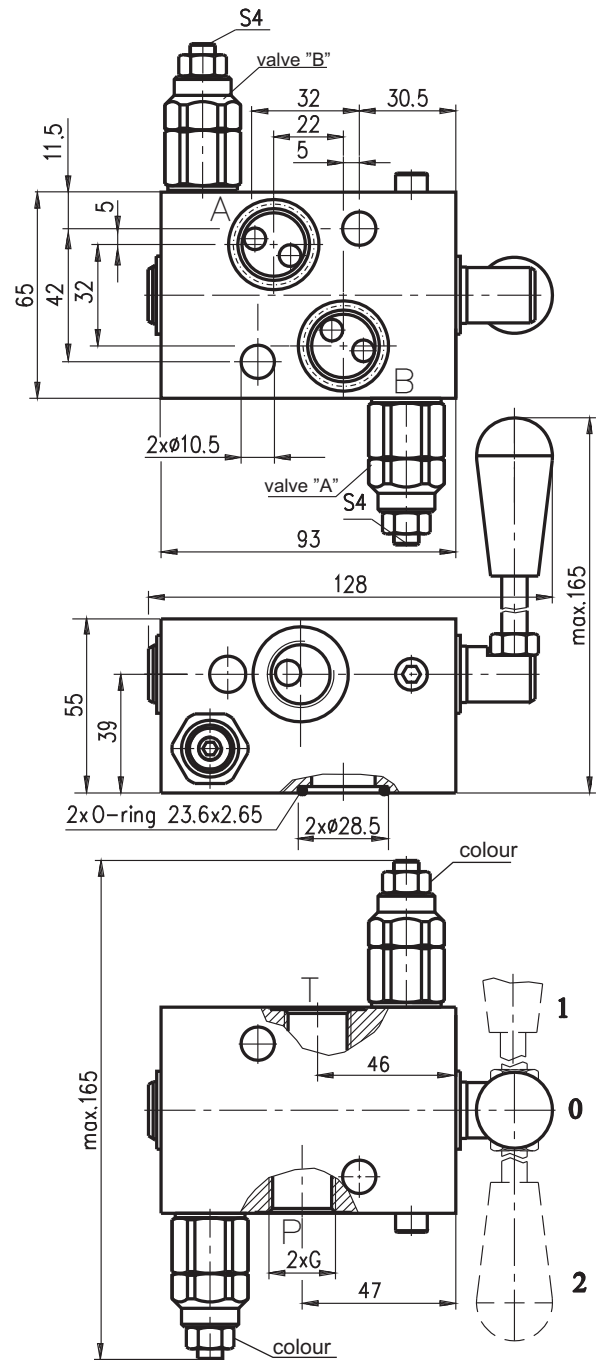
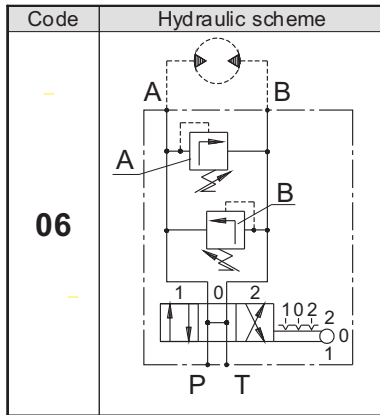
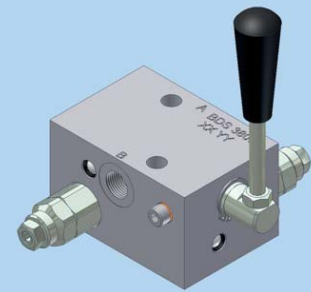


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

BDS 3806/... - ...



Code	Adjustment
A	Leakproof hex. socket screw
C	Sealing cap

Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDS 3806 /... -...	25	250	G3/8 - DIN 3852

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

ORDERING CODE

BD S 38 06 / A10 A - B25 A

Type

Hydraulic motor type - code:
MS

Port threads G - code:
G3/8 - 38

Scheme code:
06

Adjustment code:
A; C
(see table above)

Pressure range
valve "A"-code:
10; 25

Adjustment code:
A; C
(see table above)

Pressure range
valve "B"-code:
10; 25

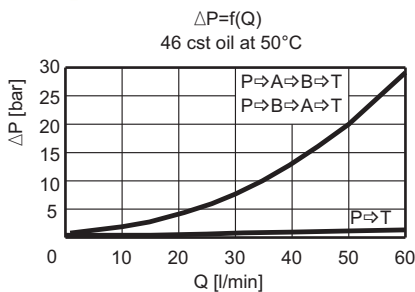
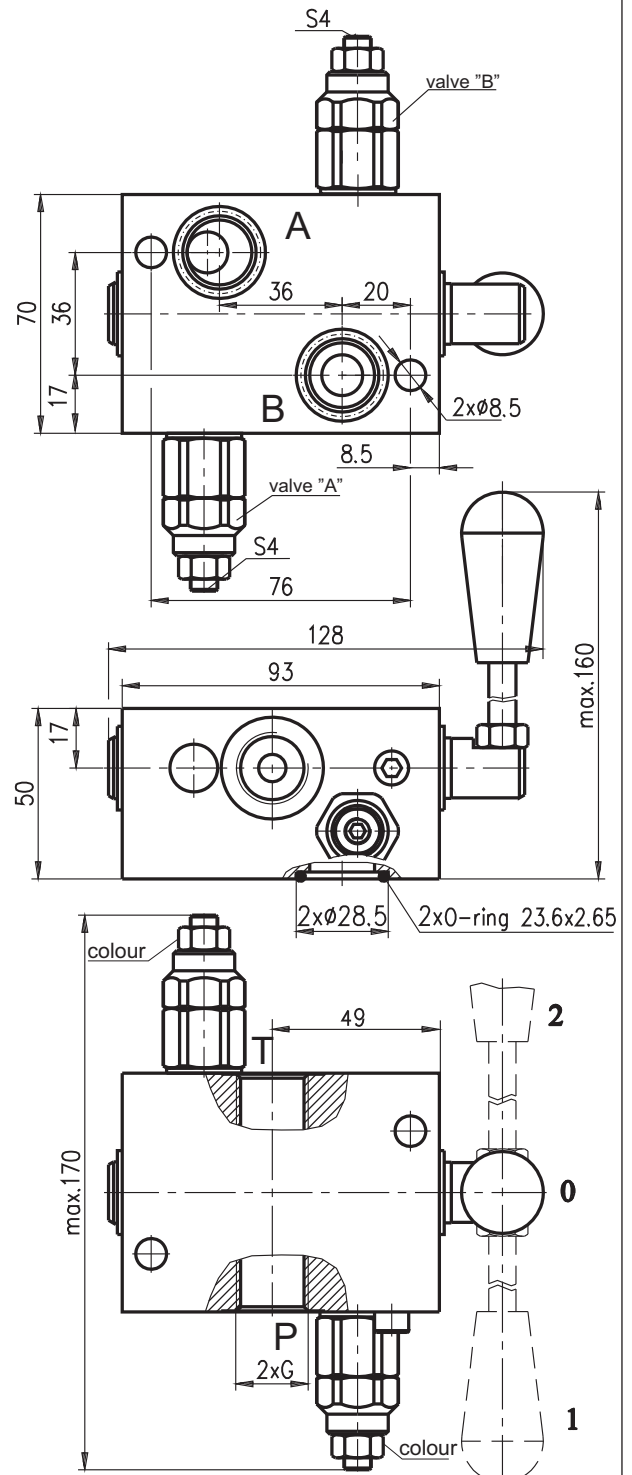
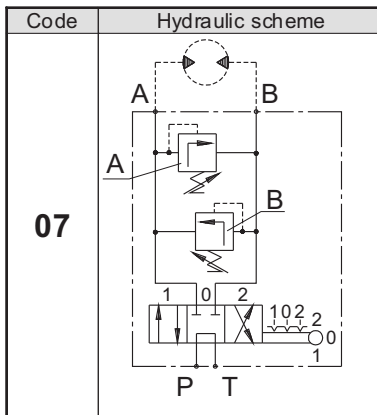
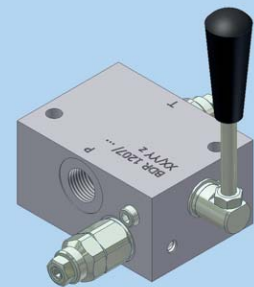


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

BDR 1207/... ..



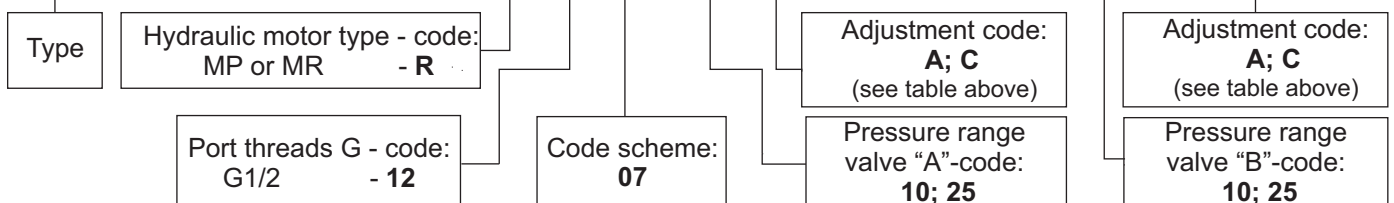
Code	Adjustment
A	Leakproof hex. socket screw
C	Sealing cap

Type	Nom. flow rate	$P_{max.}$	Port threads G
	L/min	bar	-
BDR 1207 /... ..	60	250	G12 - DIN 3852

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

ORDERING CODE

BD R 12 07 / A10 A - B25 A



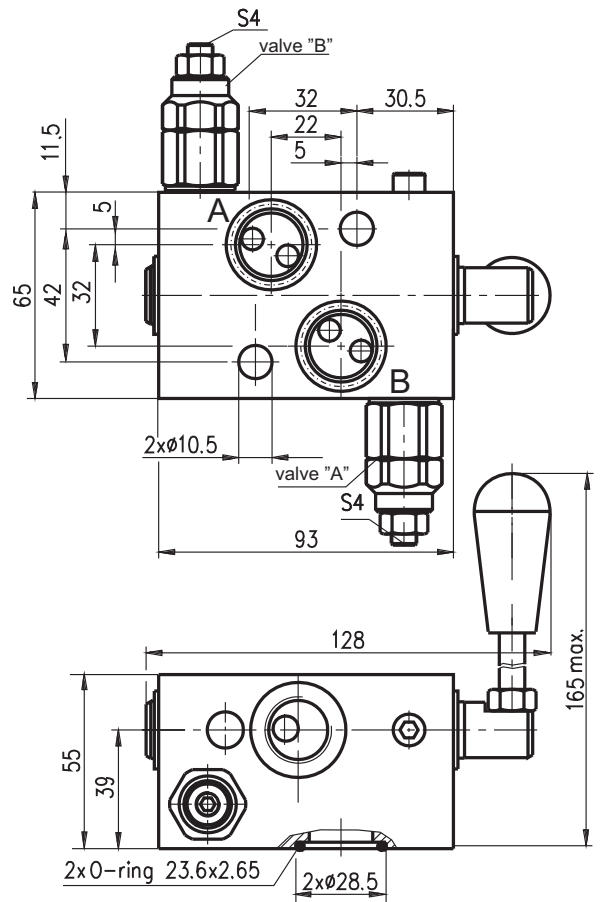
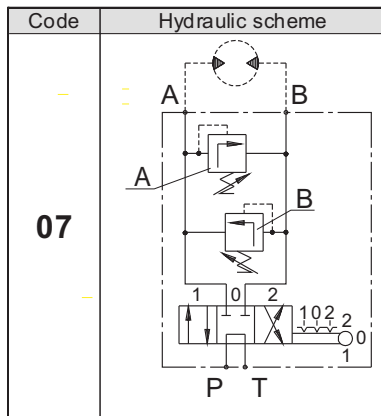
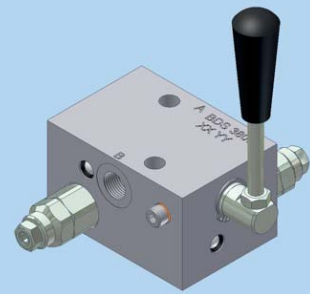


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

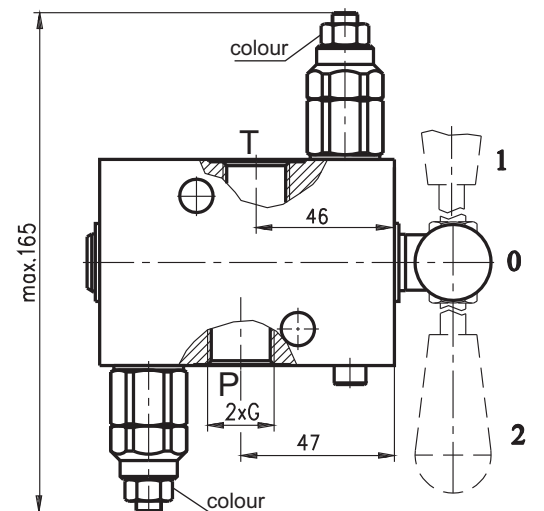
BDS 3807/... ..



Code	Adjustment
A	Leakproof hex. socket screw
C	Sealing cap

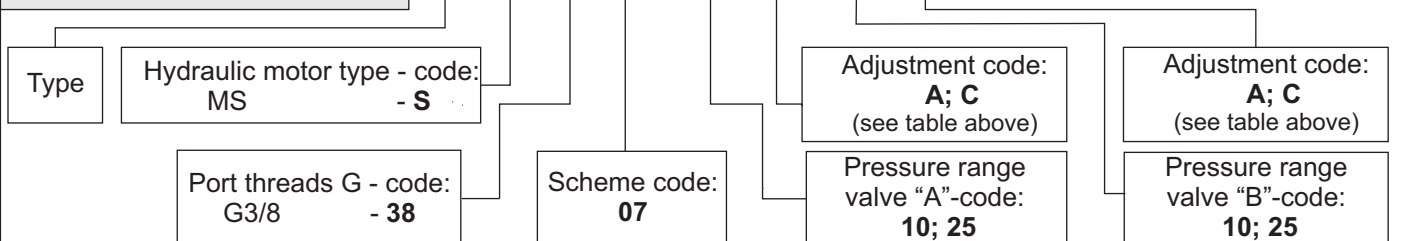
Type	Nom. flow rate <i>L/min</i>	P _{max.} <i>bar</i>	Port threads G
BDS 3807 /... ..	25	250	G38 - DIN 3852

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



ORDERING CODE

BD S 38 07 / A10 A - B25 A



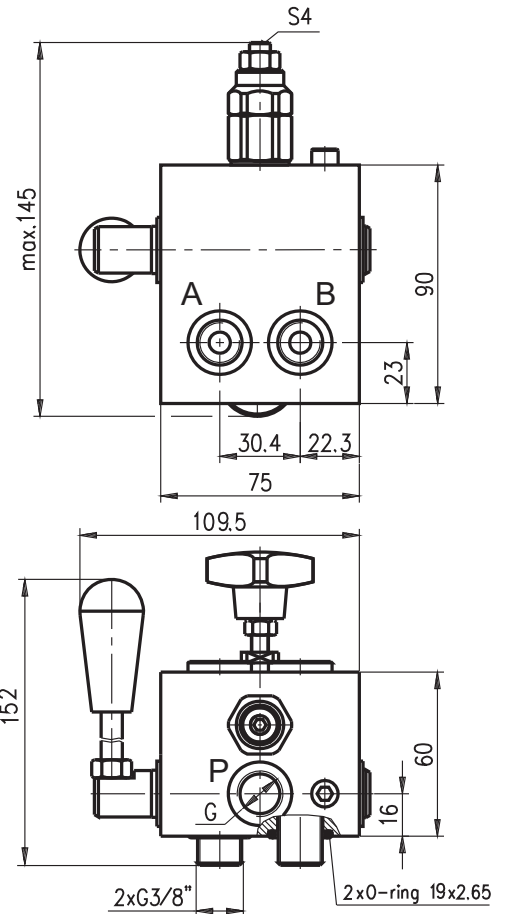
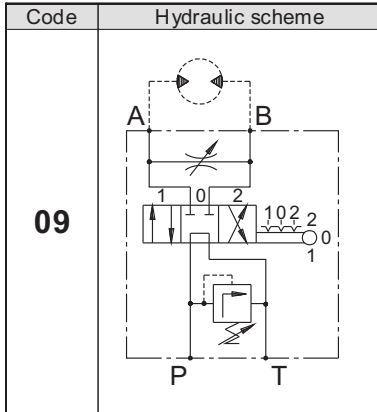


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

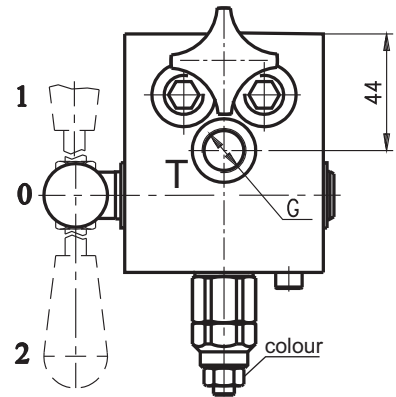
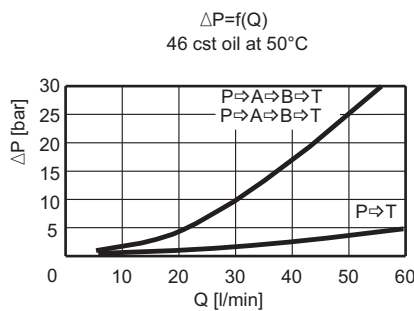
HYDRAULIC MOTOR BLOCKS TYPE BD

BDMH 3809



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

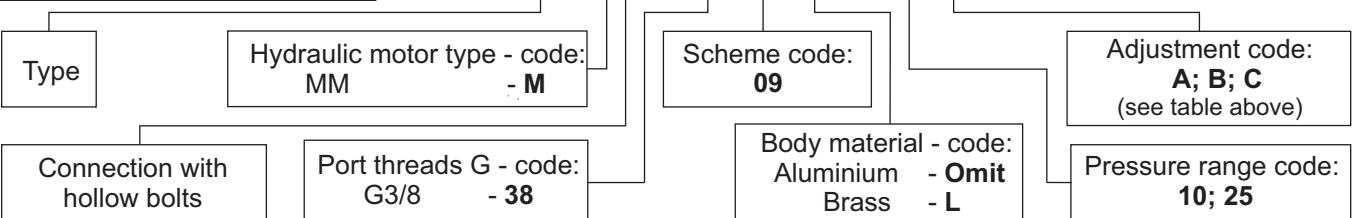
Code	Adjustment
A	Leakproof hex. socket screw
B	Handknob and locknut
C	Sealing cap



Type	Nom. flow rate	P _{max.}	Port threads G
	L/min	bar	-
BDMH 3809 . / . .	30	250	G3/8 - DIN 3852

ORDERING CODE

BD M H 38 09 L / 10 A



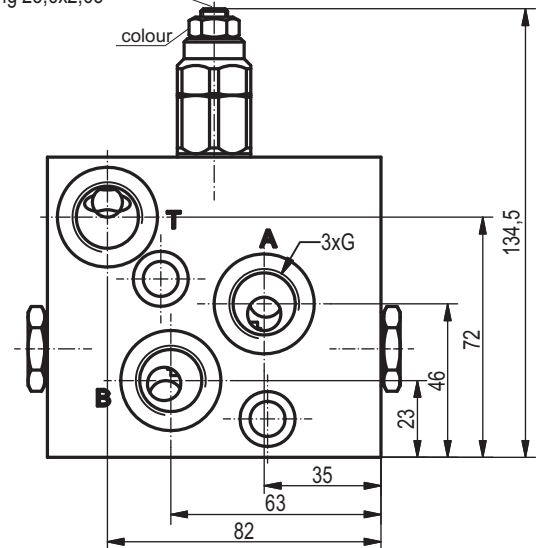
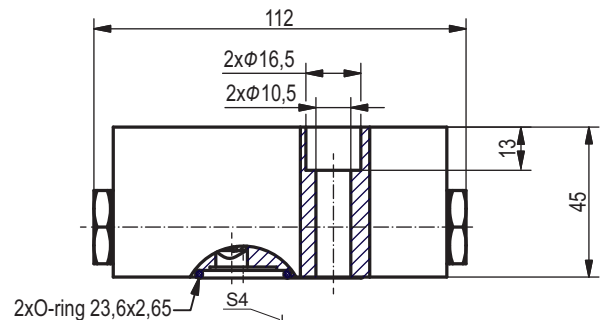
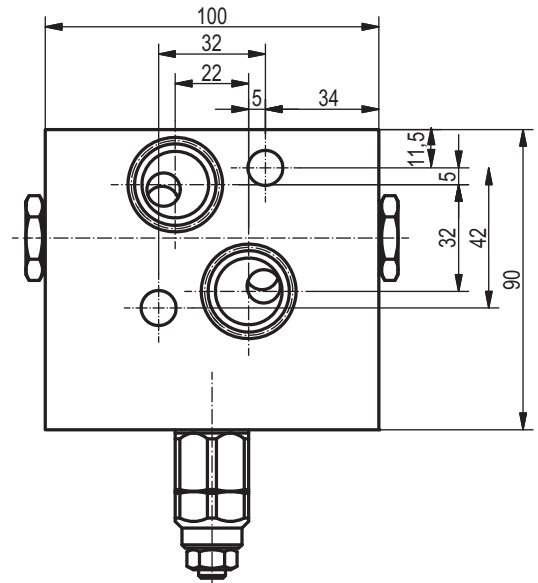
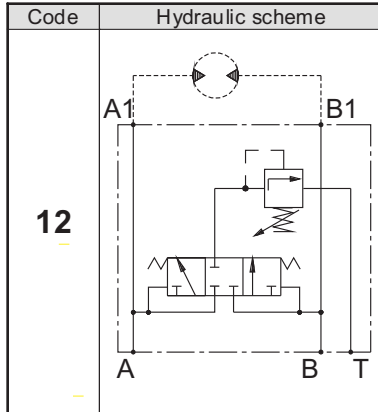


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

BDS 1212



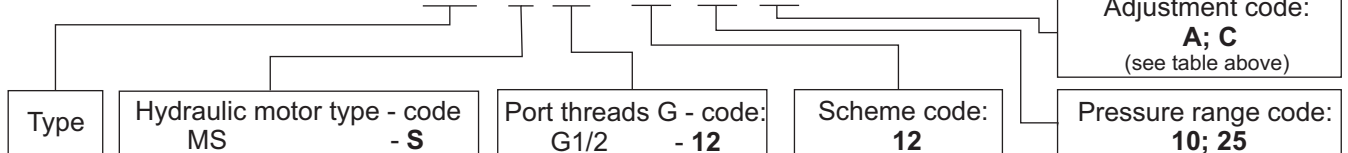
Code	Adjustment
A	Leakproof hex. socket screw
C	Sealing cap

Type	Nom. flow rate	P _{nom.}	Port threads G
	L/min	bar	-
BDS 1212	40	210	G1/2 - DIN 3852

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

ORDERING CODE

BD S 12 12 / 25 A





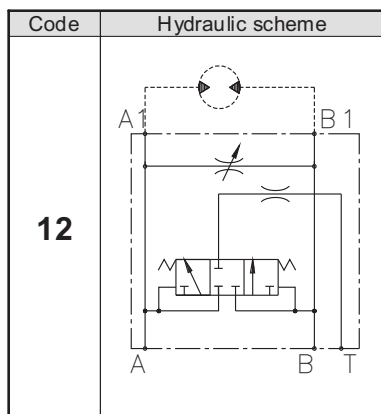
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

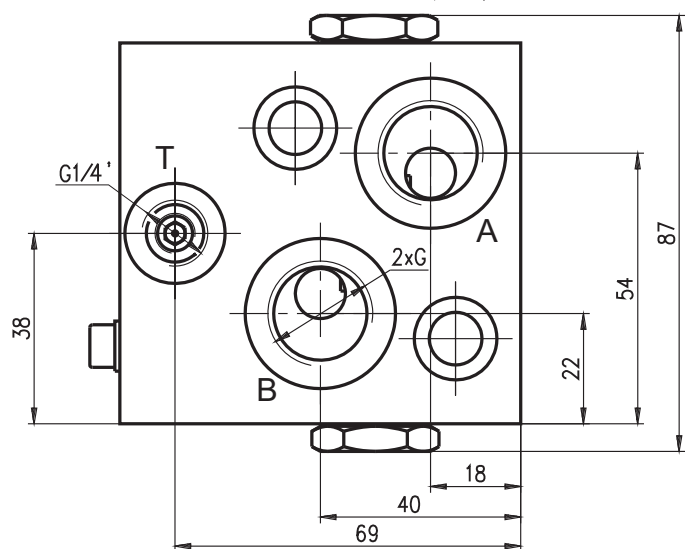
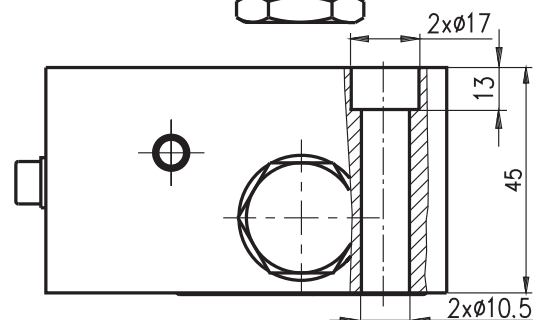
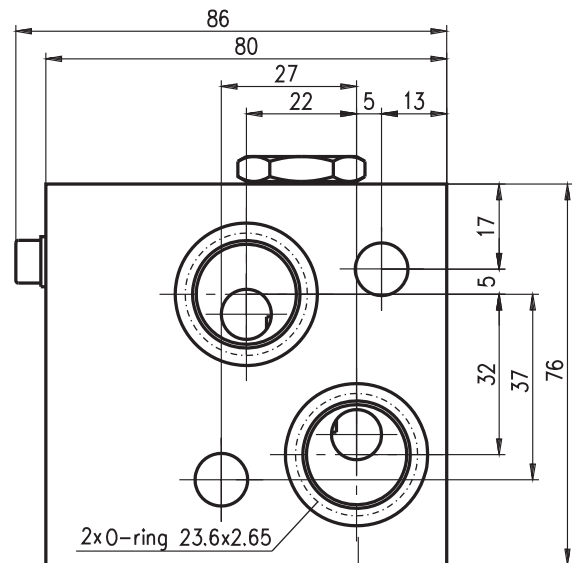
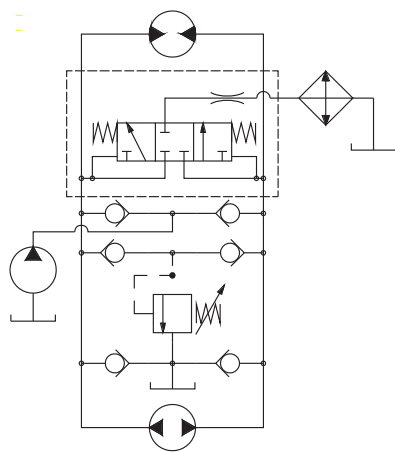
HYDRAULIC MOTOR BLOCKS TYPE BD



BDS 1212A

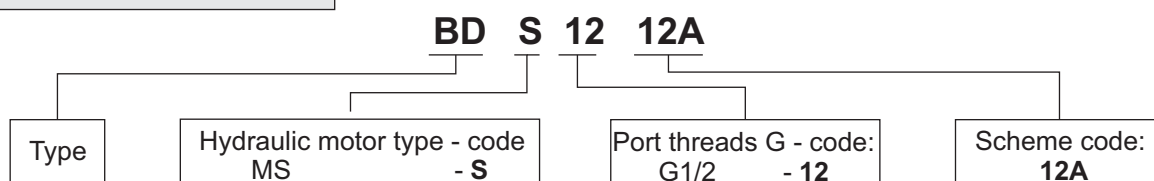


The block is used in closed hydraulic systems to separate flow for cooling. It is connected according to the enclosed hydraulic design.



Type	Nom. flow rate L/min	Pnom. bar	Port threads G
BDS 1212A	40	210	G1/2 - DIN 3852

ORDERING CODE



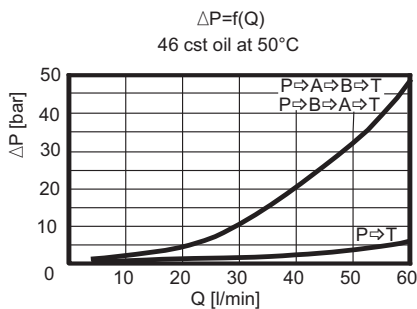
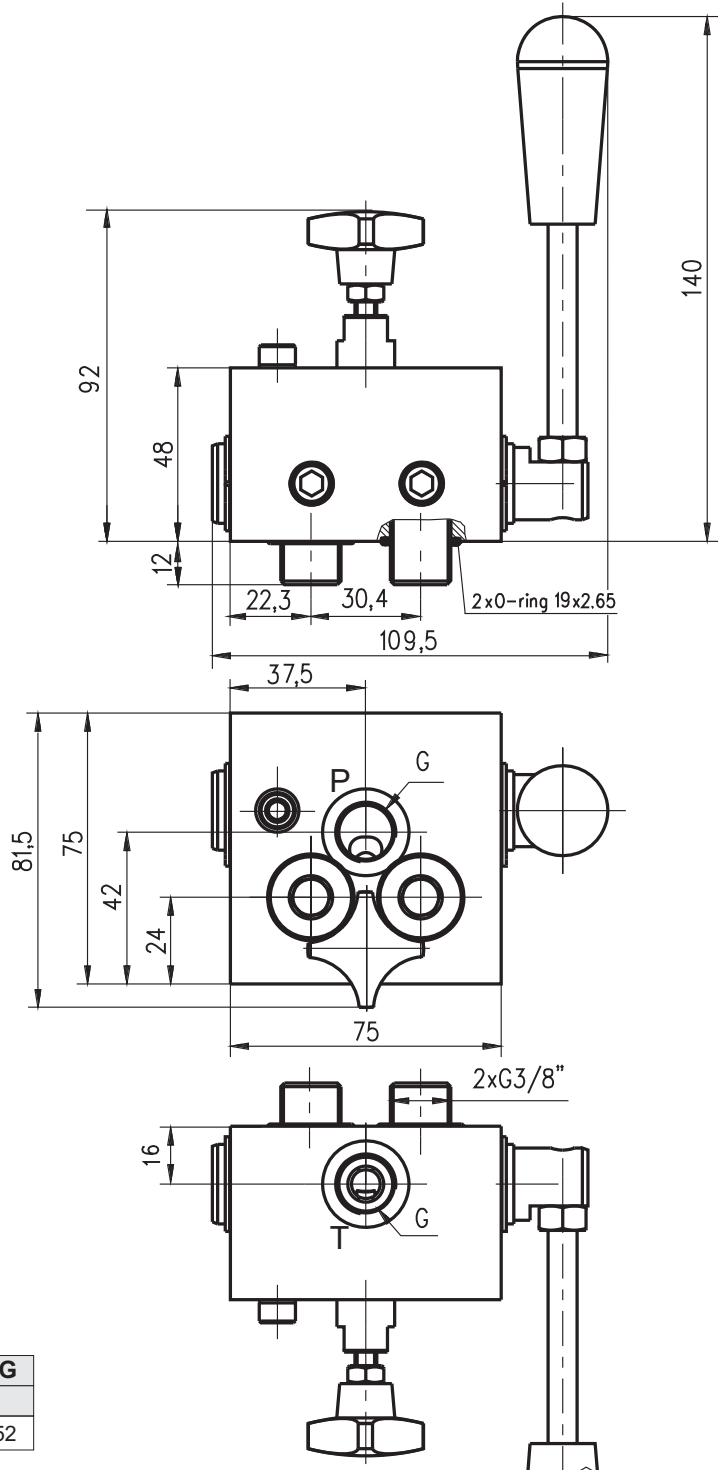
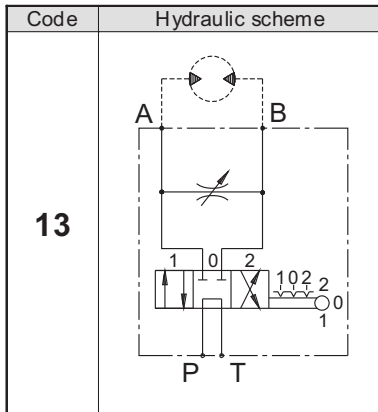
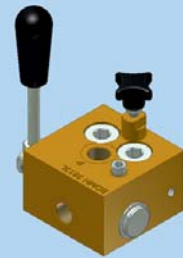


**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

HYDRAULIC MOTOR BLOCKS TYPE BD

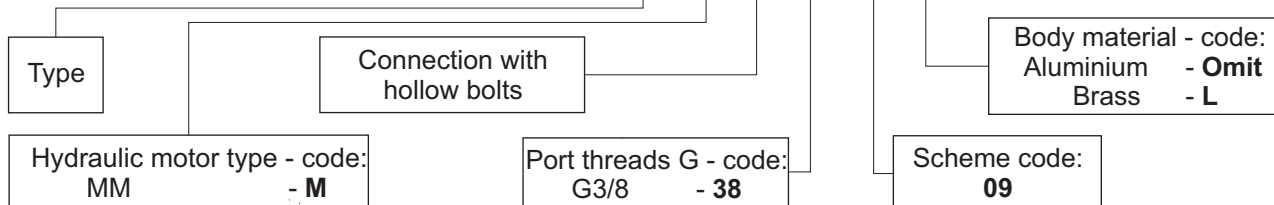
BDMH 3813 L



Type	Nom. flow rate	$P_{max.}$	Port threads G
	L/min	bar	-
BDMH 3813 . /... .	30	175	G3/8 - DIN 3852

ORDERING CODE

BD M H 38 13 L

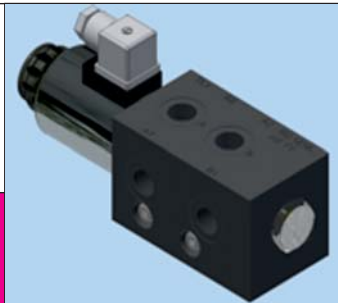




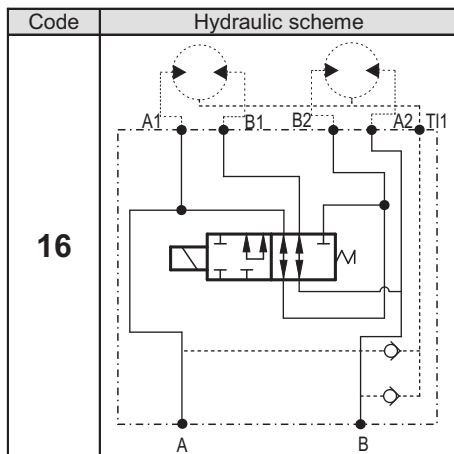
**Hidro
Pnevmo
Tehnika**

3, Eng. Felix Vozhely St.,
6100 Kazanlak, Bulgaria
Tel.: +359 431 62 228
+359 431 68 440
e-mail: info@hpt-bg.com
www.hpt-bg.com

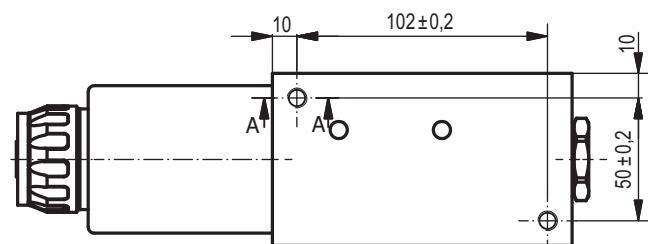
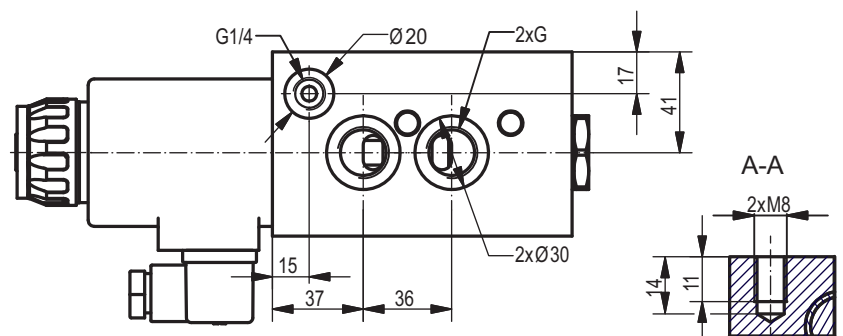
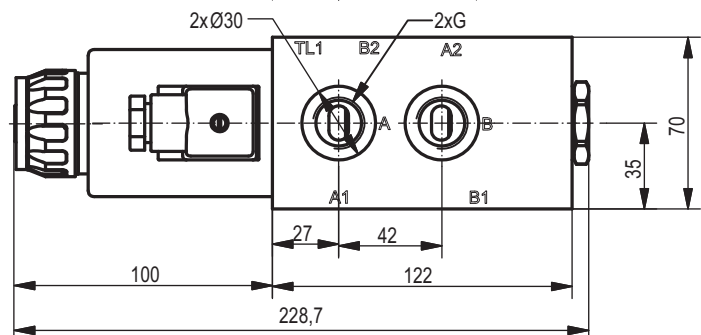
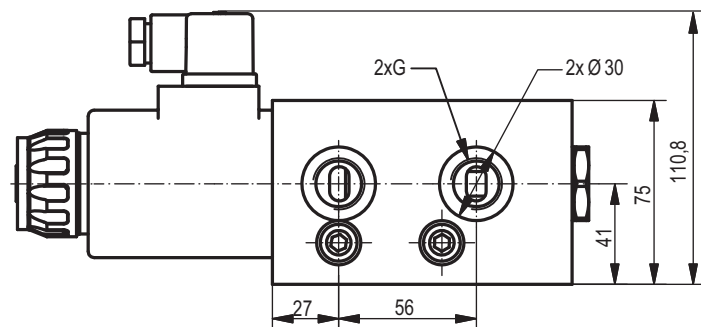
HYDRAULIC MOTOR BLOCKS TYPE BD



BD 1216/...



This block controls the work of the hydraulic motor either in parallel or serial connection. This is realized by an electric signal applied to the solenoid.



Type	Max. flow rate	P _{max.} bar	Opening pressure of the check valve bar	Operating voltage	Consumed power W	Port threads G
	L/min					
BD 1216/12	100	210	0,5	12 V DC	≤36	G1/2 - DIN 3852
BD 1216/24	100	210	0,5	24 V DC	≤36	G1/2 - DIN 3852

ORDERING CODE

BD 12 16 / 12

Type

Port threads G - code:
G1/2 - 12

Scheme code:
16

Operating voltage - code
12V / 00Hz - 12
24V / 00Hz - 24