



Description

Назначение и область применения

For starting, controlling and stopping the working fluid between the generator of pressured flow, the consumers at the Tank. Предназначен для изменения направления потока, ограничения давления рабочей жидкости в гидролиниях, разгрузки насоса в нейтральной позиции золотников.

Specifications

Основные показатели:

1. Valve monoblock

Конструктивное выполнение

моноблок

2. Mounting

Крепление

3 bolts M10

3. Pressure connections

Присоединительные отверстия

internal thread

4. Ambient temperature

Температура воздуха

внутренние резьбы

5. Pressure medium

Рабочая жидкость

-40C...+60C

6. Viskosity

Кинематическая вязкость

mineral oil based hydraulic oil

7. Fluid temperature

8. Filtration

9. Max. operating pressure

Давление max. bar

12...800 mm²/s permissible range

20...100 mm²/s recommended range

- 15C...+80C

Oil contamination 10 to NAS1638

P = 250 bar

T = 50 bar

A, B = 300 bar

30 cm³/min at 120 bar

10. Leakage

Внутренние потери (A, B – T)

120 l/min (see “operating” diagram)

11. Nominal flow

Разход рабочей жидкости

12. Spool stroke

Ход золотника

± 10 mm, L12 = ± 10 mm +6 mm

13. Actuating force

< 300 N in spool axis direction

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directional control valves P120

Распределители гидравлические P120

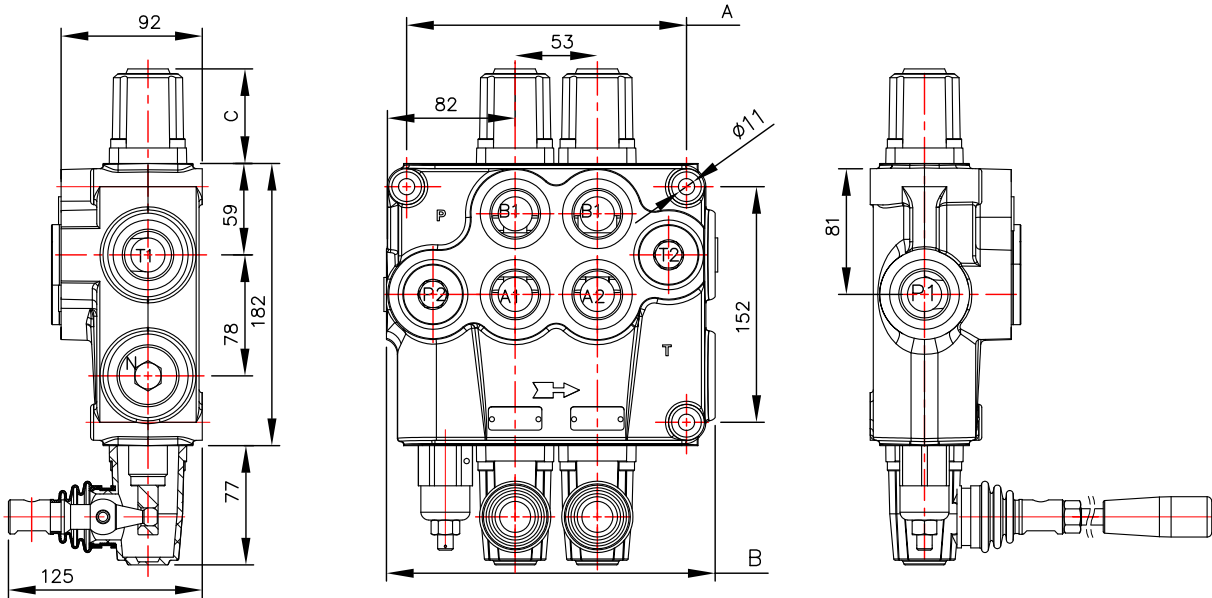


Table 1

	A	B		P1	P2	T1	T2
P120	129	160		+	+	+	+
02P120	182	213		+	+	+	+
03P120	235	266		+	+	+	+
04P120	288	319		+	+	+	+

Table 2

spool control фиксация золотника	C
1; 2, 3, 4; 5; 6; 7; 8; 9; 10; 11;	64
12	74

02	P120	1	A	1	A	1	G	KZ1	H	E	C2	11	...
number of spools (table 3)	hydraulic directional control valve P120	parallel distribution (table 4) (parallel)	spool type–distribution (table 5)	spool control (table 6)	second spool distribution (table 5)	second spool control (table 6)	ports threads (table 9)	lever options (table 10)	operation features (table 8)	electric microswitch (table 7)	cary over center (table 11)	conection ports in use (table 12)	there is something else

directional control valves P120

Распределители гидравлические P120

Table 3

code	Number of spools
P120	1
02P120	2

Table 4

code	way of distribution
	распределение потока
1	parallel ; параллельное

Table 5

code	spool type
A	
B	
C	
D	
E	
F	
G	
H	
M	
N	
O	
P	
Q	
R	
S	
T	

Table 6

code	spool control
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

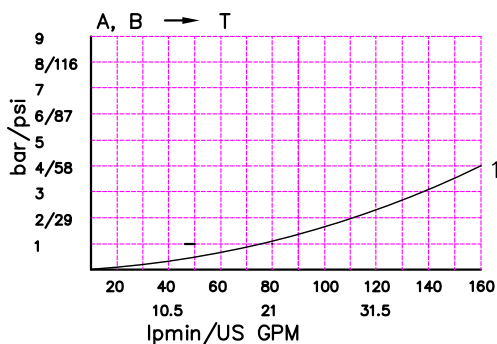
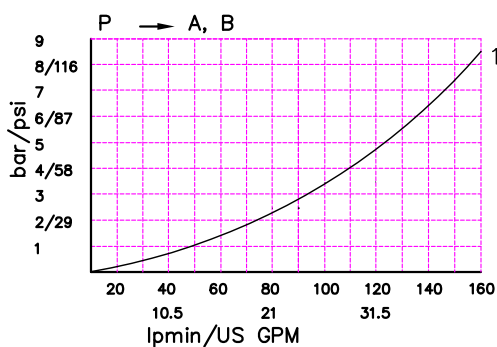
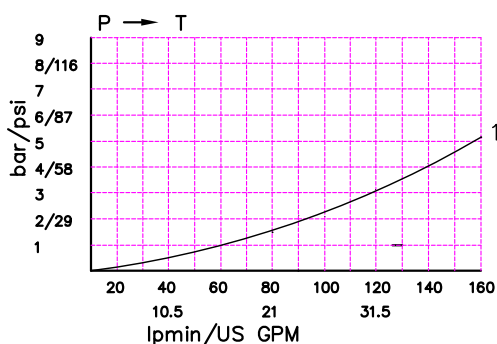
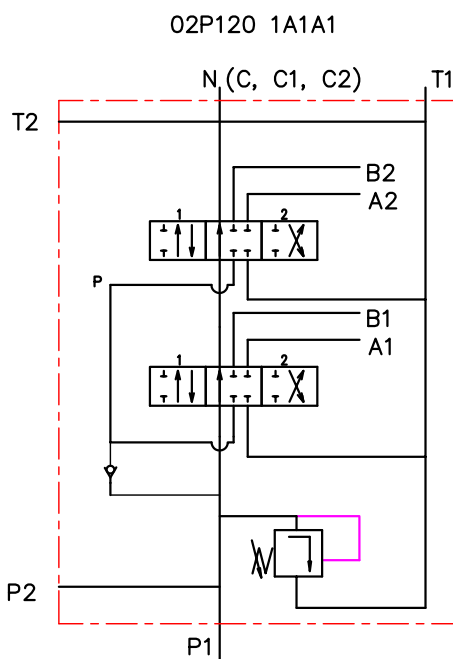


Table 7

code	с микро шалмеп ; incorporated microswitch
E	mikroswitch type Omron-V 165 I C5

Table 8

code	грузовое управление ; operation feature
P	пневматическое on-off pneumatic control; 5–10 bar ; ports NPTF 1/8–27
H	гидравлическое on-off hydraulic control ; pn = 5 – 20 bar ; ports G1/4

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directional control valves P120

Распределители гидравлические P120

treads for conection

Table 9

outlets/ports/	metric	BSP	SAE	
P, A, B, T	M33x2	G 1"	SAE 16	
N	M36x1.5	—	—	—

Table 10

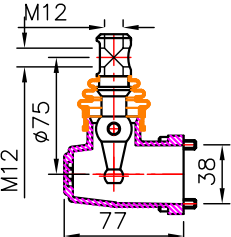
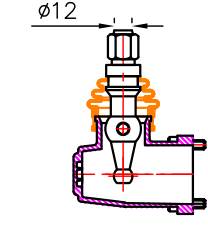
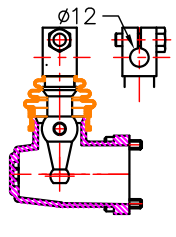
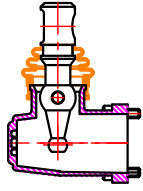
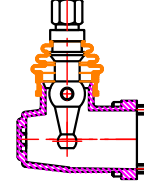
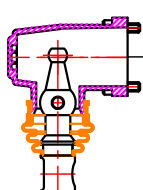
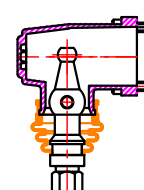
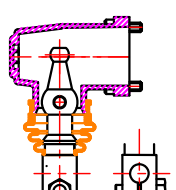
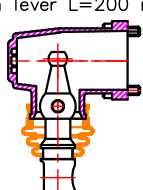
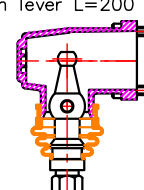
code	with thread M12	code	with zange ø12	code	with zange ø12
KZ		KY		KI	
KZ1	with lever L=200 mm 	KY1	with lever L=200 mm 		
KZ0	rotated 180° 	KY0	rotated 180° 	KI0	rotated 180° 
KZ01	with lever L=200 mm 	KY01	with lever L=200 mm 		

Table 11

code	metric
X	without port N
—	with port N, closed
C	with port N and plug C – closed center
C1	port N – carry over for EO
C2	port N – carry over, internal thread

Table 12

code	ports for connection in uze
11	P1 ; T1
12	P1 ; T2
21	P2 ; T1
21	P2 ; T1

