



#### 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 гидролиниях, разгрузки насоса в нейтральной позиции золотников.

#### Specifications

Основные показатели:

|                              |   |
|------------------------------|---|
| 1.Valve monoblock            | моноблок                                      |
| Конструктивное выполнение    | 3 bolts M10                                   |
| 2.Mounting                   |   |
| Крепление                    | internal thread                               |
| 3.Pressure connections       | внутренние резьбы                             |
| Присоединительные отверстия  | -40C...+60C                                   |
| 4.Ambient temperature        |   |
| Температура воздуха          | mineral oil based hydraulic oil               |
| 5.Pressure medium            |   |
| Рабочая жидкость             | 12...800 mm <sup>2</sup> /s permissible range |
| 6.Viscosity                  | 20...100 mm <sup>2</sup> /s recommended range |
| Кинематическая вязкость      | - 15C...+80C                                  |
| 7.Fluid temperature          | Oil contamination 10 to NAS1638               |
| 8.Filtration                 | P = 250 bar                                   |
| 9. Max. operating pressure   | T = 50 bar                                    |
| Давление max. bar            | A, B = 300 bar                                |
| 10.Leakage                   | 30 cm <sup>3</sup> /min at 120 bar            |
| Внутренние потери (A, B – T) |   |
| 11.Nominal flow              | 120 l/min (see “operating” diagram)           |
| Разход рабочей жидкости      |   |
| 12.Spool stroke              | ± 10 mm, L12 = ± 10 mm +6 mm                  |
| Ход золотника                |   |
| 13.Actuating force           | < 300 N in spool axis direction               |

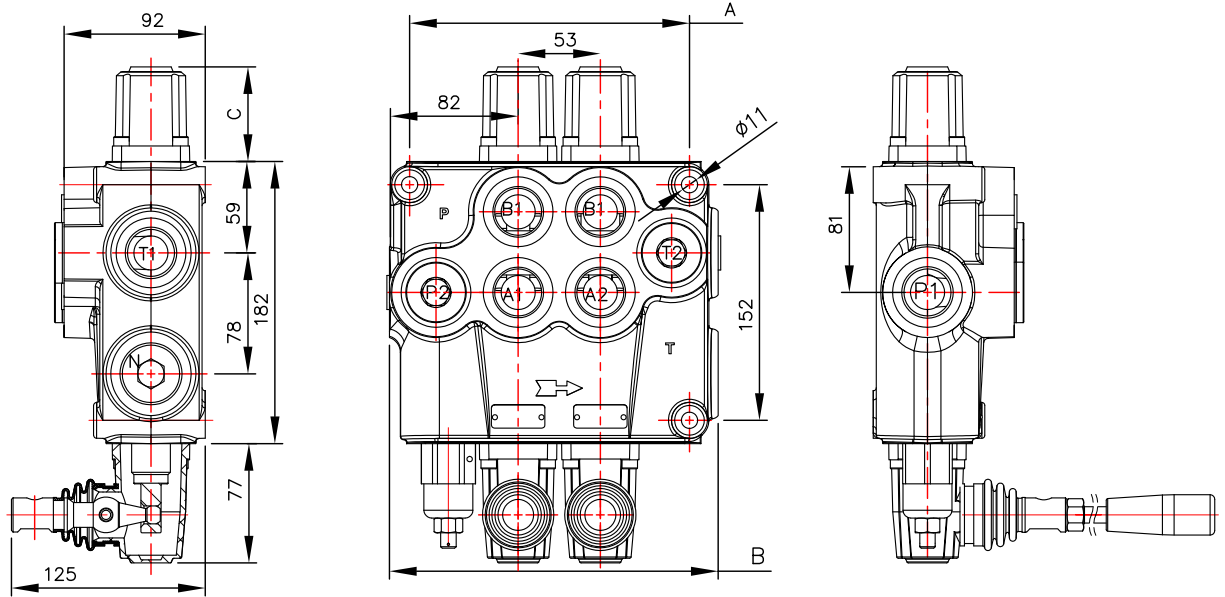


Table 1

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

Table 2

|                                     |    |
|-------------------------------------|----|
| spool control<br>фиксации 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)

carry over center (table 11)

connection ports in use (table 12)

there is something else

directional control valves P120

Распределители гидравлические P120

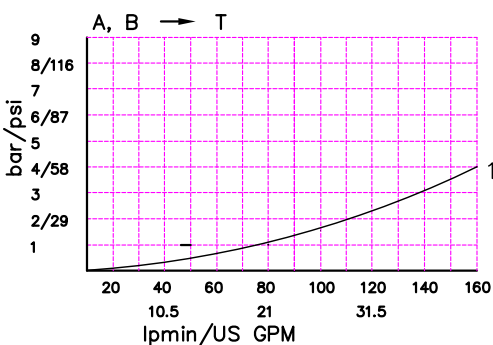
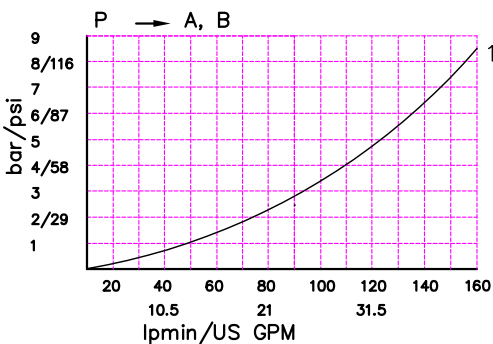
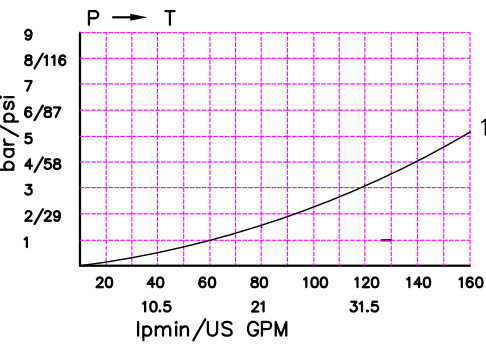
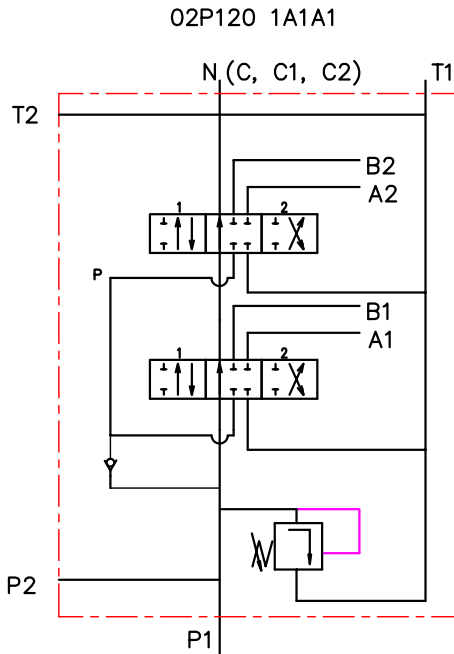


Table 3

| 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 шалпер ; incorporated microswitch |                                      |
|------|---|--------------------------------------|
| E    |   | mikroswitch type<br>Omron-V 165 I C5 |

Table 8

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

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 $\phi 12$    | code | with zange $\phi 12$ |
|------|-------------------------|------|-------------------------|------|----------------------|
| KZ   |                         | KY   |                         | KI   |                      |
| KZ1  | with lever L=200 mm<br> | KY1  | with lever L=200 mm<br> |      |                      |
| KZ0  | rotated 180°<br>        | KY0  | rotated 180°<br>        | KI0  | rotated 180°<br>     |
| KZ01 | with lever L=200 mm<br> | KY01 | with lever L=200 mm<br> |      |                      |

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                     |

