Description

For starting, controlling and stopping the working fluid between the generator of pressured flow, the consumers ai the Tank.

Specifications

| | |
|---|---|
| 1.Valve monoblock | |
| 2.Mounting | 3 bolts M10 |
| 3.Pressure connections | internal thread |
| 4.Ambient temperature | -40C…+60C |
| 5.Pressure medium | mineral oil based hydraulic oil |
| 6.Viskosity | 12…800 mm²/s permissible range<br>20…100 mm²/s recommended range |
| 7.Fluid temperature | - 15C…+80C |
| 8.Filtration | Oil contamination 10 to NAS1638 |
| 9. Max. operating pressure<br>max. bar | P = 250 bar<br>T = 50 bar<br>A, B = 300 bar |
| 10.Leakage<br>(A, B – T) | 30 cm³/min at 120 bar |
| 11.Nominal flow | 120 l/min (see “operating” diagram) |
| 12.Spool stroke | ± 10 mm, L12 = ± 10 mm +6 mm |
| 13.Actuating force | < 300 N in spool axis direction |

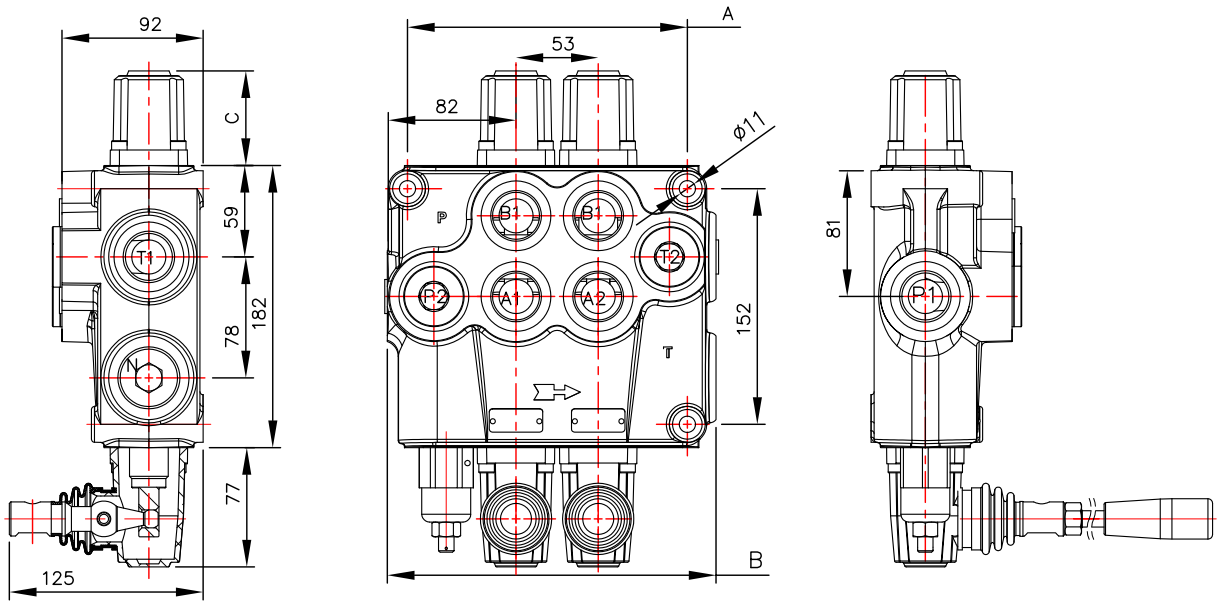


Table 1

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

Table 2

| spool control | 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 |

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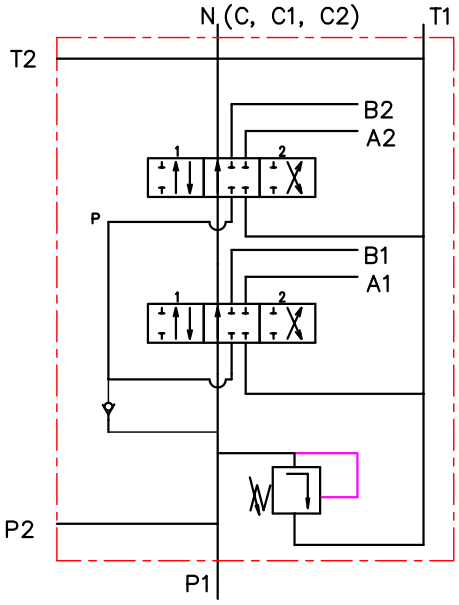
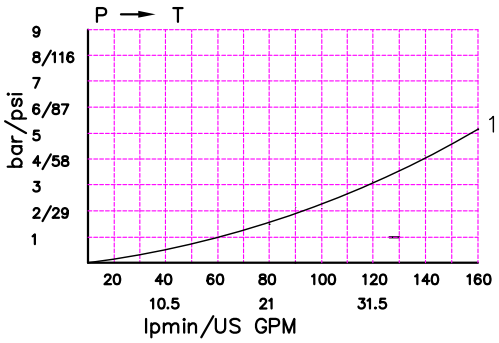
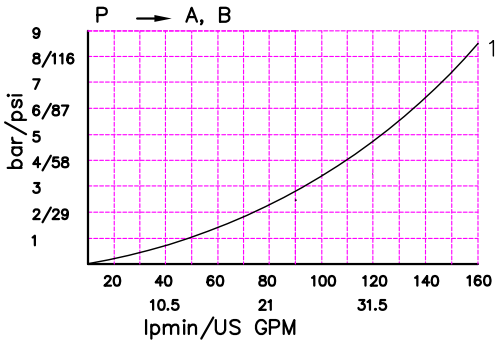
02P120 1A1A1



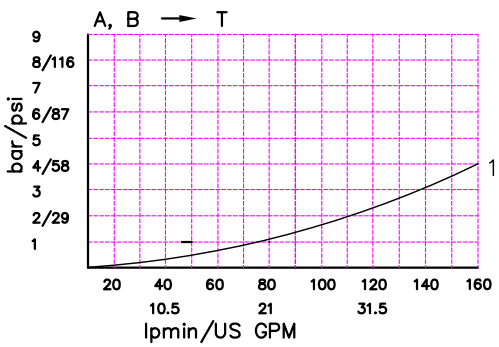




Table 3

| code | Number of spools |
|---|---|
| P120 | 1 |
| 02P120 | 2 |

Table 4

| code | way of distribution |
|---|---|
| 1 | parallel ; |

Table 5

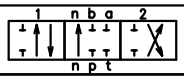
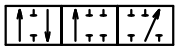
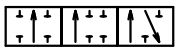
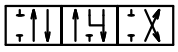
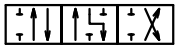
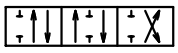
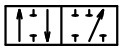
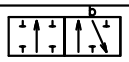
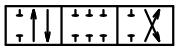
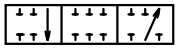
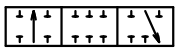
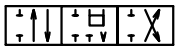
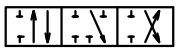
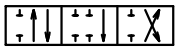
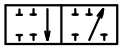
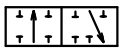
| code | spool type |
|---|---|
| A |  |
| B |  |
| C |  |
| D |  |
| E |  |
| F |  |
| G |  |
| H |  |
| M |  |
| N |  |
| O |  |
| P |  |
| Q |  |
| R |  |
| S |  |
| T |  |

Table 6

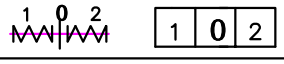
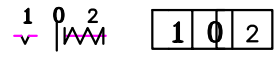
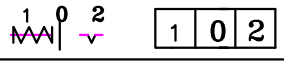
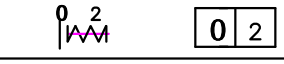
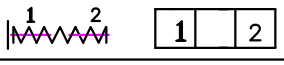
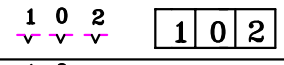
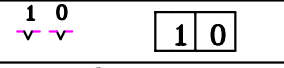
| code | spool control |
|---|---|
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |

Table 7

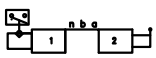
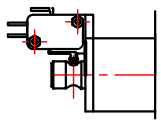
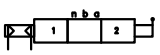
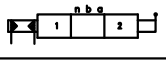
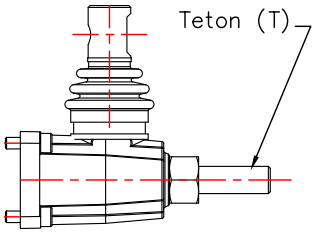
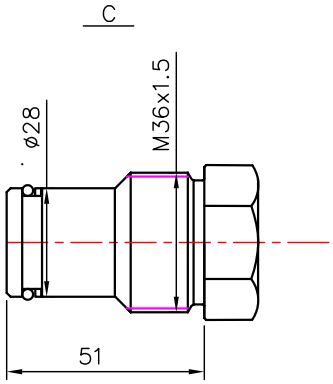
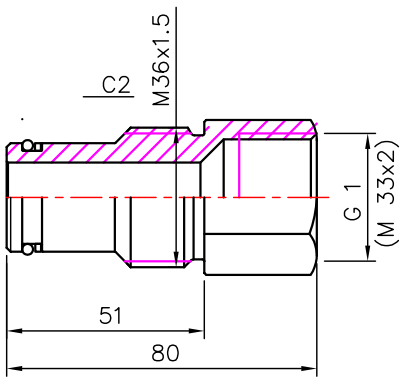
| code | incorporated microswitch | |
|---|---|---|
| E |  | mikroswitch type<br>Omron–V 165 I C5  |

Table 8

| code | c | operation feature |
|---|---|---|
| P |  | on–off pneumatic contol; 5–10 bar ; ports NPTF 1/8–27 |
| H |  | on–off hydraulic control ; pn = 5 – 20 bar ; ports G1/4 |




treads for conection

Table 9

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

Table 10

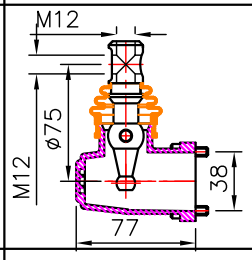
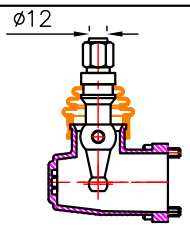
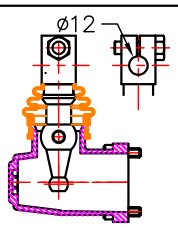
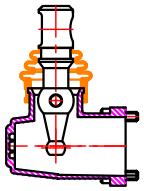
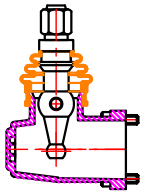
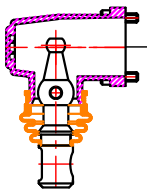
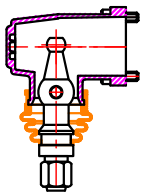
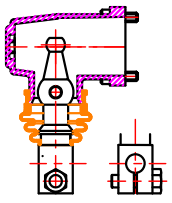
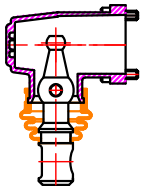
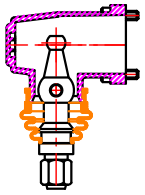
| code | with thread M12 | code | with zange ø12 | code | with zange ø12 |
|---|---|---|---|---|---|
| KZ |   | KY |   | KI |   |
| KZ1 | with lever L=200 mm  | KY1 | with lever L=200 mm  | | |
| KZ0 | rotated 180°  | KY0 | rotated 180°  | KI0 | rotated 180°  |
| KZ01 | with lever L=200 mm  | KY01 |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

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