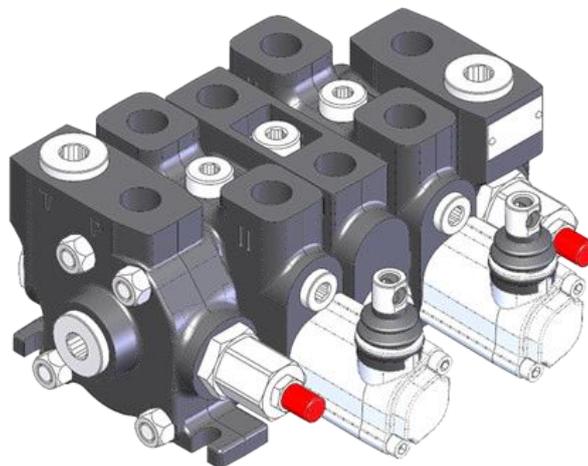


HYDRAULIC SECTIONAL VALVES PC100

Compact and heavy-duty sectional valve with 1 to 6 sections, designed for open and closed centre hydraulic systems and a wide range of applications.

These hydraulic valves are suitable for various applications such as cranes, back-hope excavators, compactors and skid steers, etc.

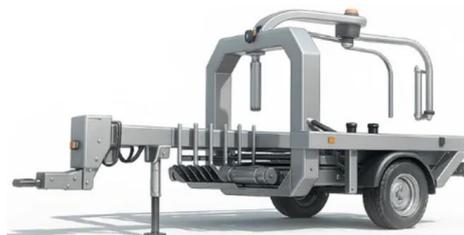
- Equipped with a main pressure relief valve and a load check valve.
- Available with parallel, tandem, and series circuits.
- Optional power beyond port for parallel and tandem circuits.
- Interchangeable spools with a diameter of 18 mm.
- Wide range of configuration options.
- Floating spools and kits, regenerative spools and kits, and pressure-release detent kits (kick-out) do not require additional machining of the valve body.
- Actuation options: manual, pneumatic, electro-pneumatic, hydraulic, electro-hydraulic, or remote control using flexible cable spool control kits.



APPLICATIONS



Agriculture



Bale wrapper



Material handling



Forestry trailer



Backhoe



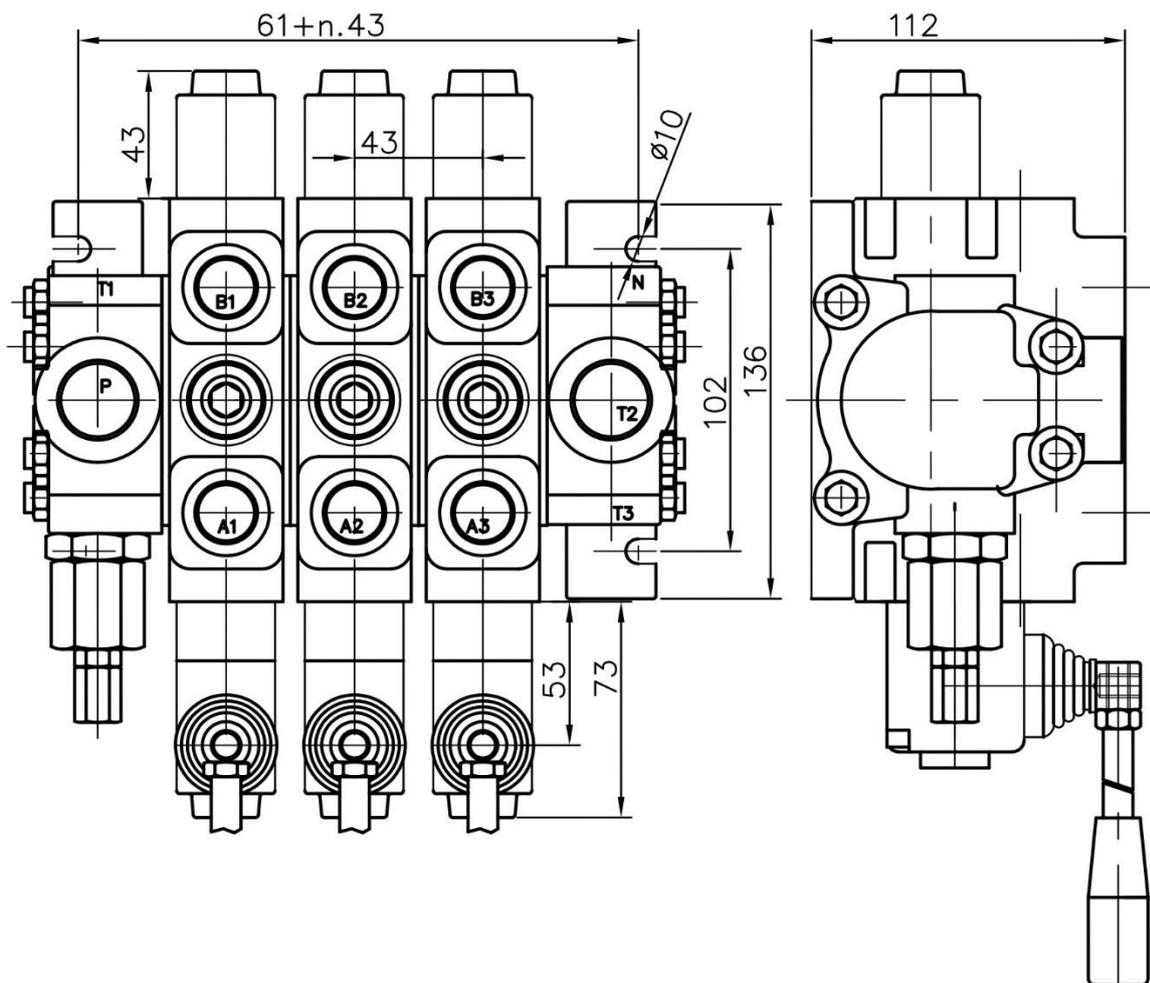
Sprayer



Baler

Specifications:

Hydraulic fluid	mineral oil based hydraulic oil
Viscosity	20-100 mm ² /s recommended range
Operating pressure (max.)	210 bar
Back pressure (max.)	50 bar
Nominal flow	100 l/min
Max. number of sections	6



Order code

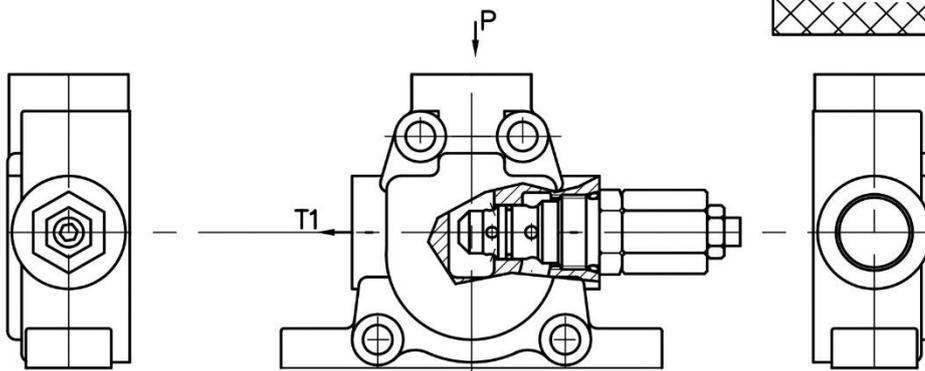
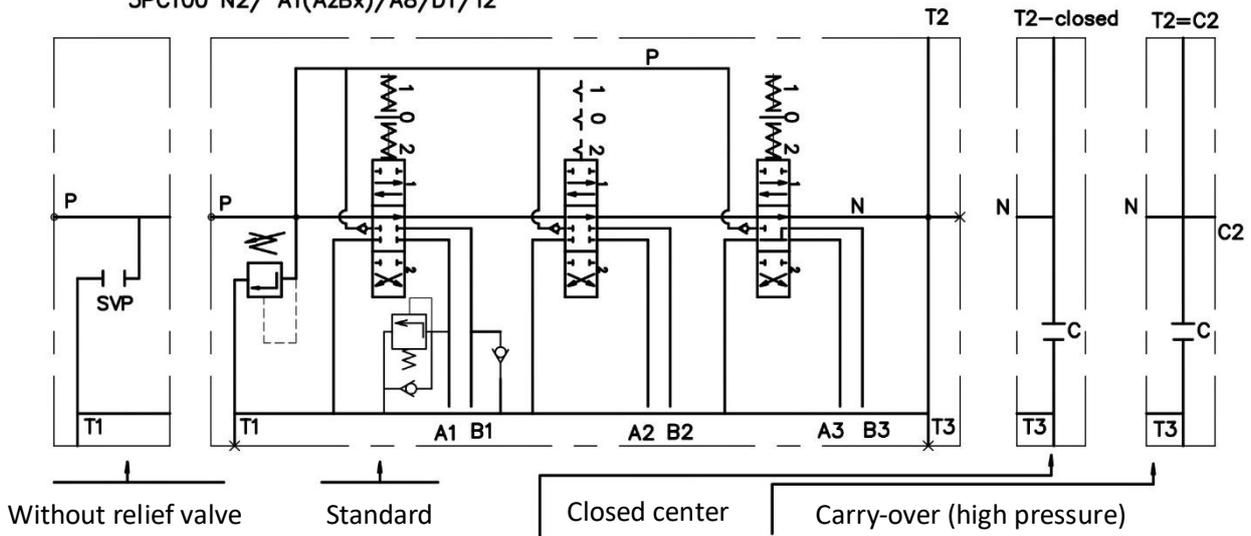
3 PC100 R N2 /A1(AzBx)/ A8/ D1/ T2 / G KZ1 P E C2

3	Number of spools
PC 100	Directional control valve
R	Inlet high pressure – right
N2	Type of the inlet cover
A1(AzBx)	First spool distribution type
A8	Second spool distribution type
D1	Third spool distribution type
T2	Type of the outlet cover (T port)
G	Threads (P, A, B, T, N)
KZ1	Lever options
P	Operation feature
E	With electric microswitch
C2	High pressure carry over

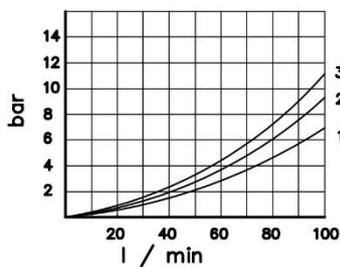
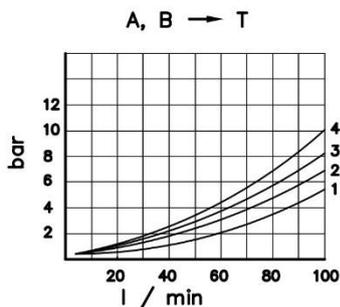
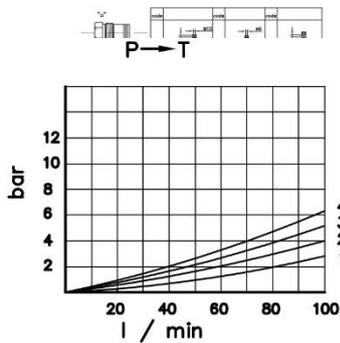
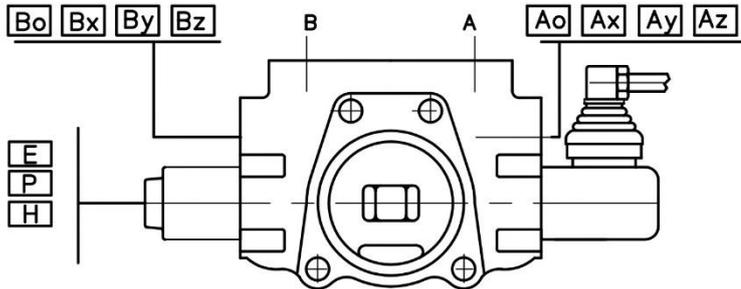


Parallel circuit

3PC100 N2/ A1(AzBx)/A8/D1/T2



code	Inlet cover	
N1	N1 (210 bar)	
N1svp		
N2	N2 (210 bar)	
N2svp		



code std	code met	Spool type
A	As	
B	Bs	
C	Cs	
D	Ds	
E	Es	
F	Fs	
G		
H		

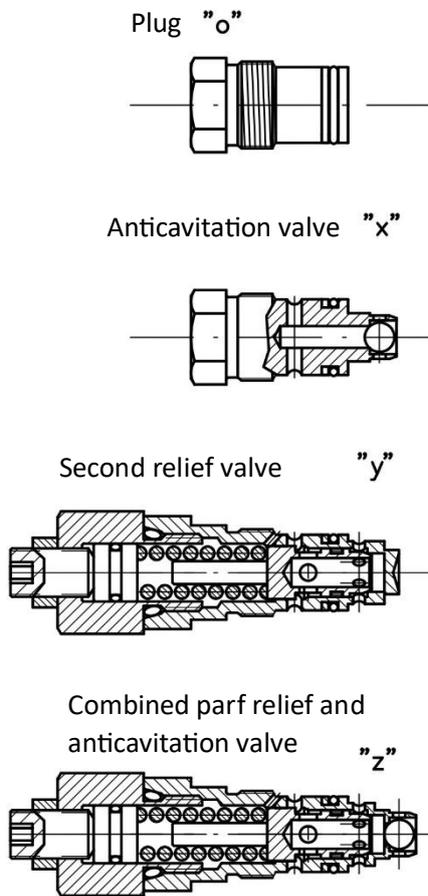
code	Spool control
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	

code	Threads			code	Threads		
	P, T	A,B	carry over C2		P, T	A,B	carry over C2
G1	G 3/4	G 1/2	G 3/4	S1	SAE 12	SAE 10	SAE 12
G2	G 3/4	G 3/4	G 3/4	S2	SAE 12	SAE 12	SAE 12

code	With electric switch	
E		Microswitch Omron - V 165 I C5
P		Pneumatic, pn = 6 bar, NPTF 1/8-27
H		Hydraulic, pn = 6-20 bar, G1/4

Ao	Bo	Plug for A and/or B
Ax	Bx	Anti cavitation valve for A and/or B
Ay	By	Secondary pressure relief valve for A and/or B
Az	Bz	Shockabsorber valve for A and/or B

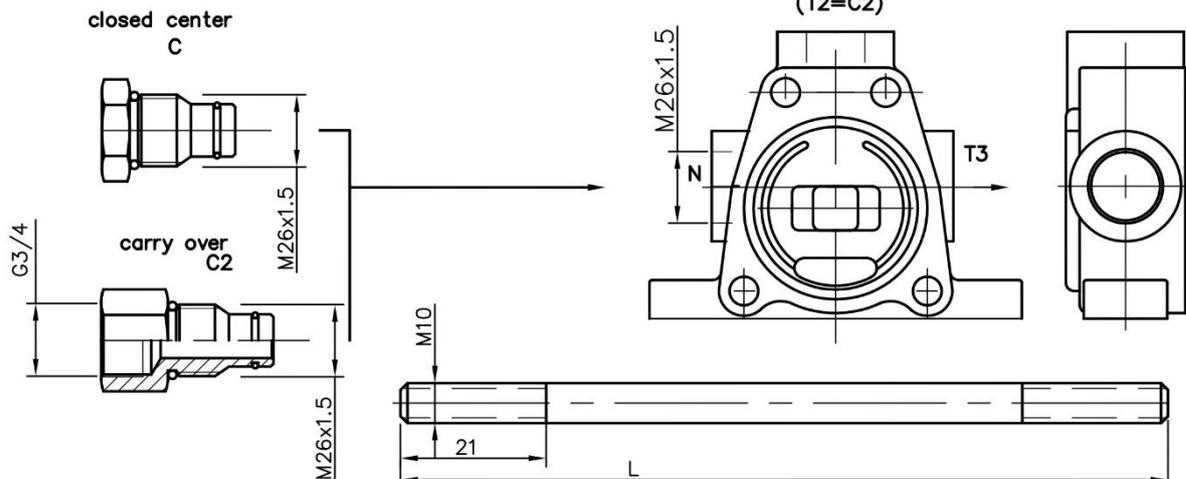
Second valves – general operating feature



code		code		code	
KZ		KY		KI	
KZ1		KY1		KI1	
KZ0		KY0		KI0	
KZ01		KY01		KI01	
-					



T2 Carry-over (high pressure)
or
(T2=C2)



**"C" in the port N + plug in T2 – closed center
***"C" in the port N – carry over in T2
****"C2" + plug in the T2 – carry over in N

Number of spools	1	2	3	4	5	6	7	8
L	145	188	230	275	320	360	405	445