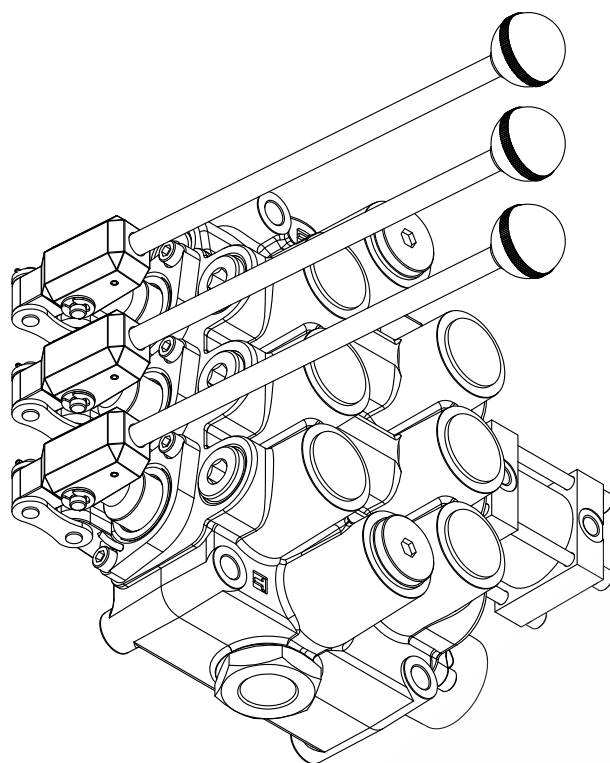




Description

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 гидротрассах, разгрузки насоса в нейтральной позиции золотников.

Specifications

Основные показатели:

1. Valve monoblock

Конструктивное исполнение

моноблок

2. Mounting

Крепление

3 bolts M8

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

Фильтрация

12...800 mm²/s permissible range

9. Max. operating pressure
Давление max. bar

20...100 mm²/s recommended range

- 15C...+80C

Oil contamination 10 to NAS1638

P = 250 bar

T = 50 bar

A, B = 300 bar

20-40 cm³/min at 120 bar

10. Leakage

Внутренние потери (A, B – T)

90 l/min (see “operating” diagram)

11. Nominal flow

Разход рабочей жидкости

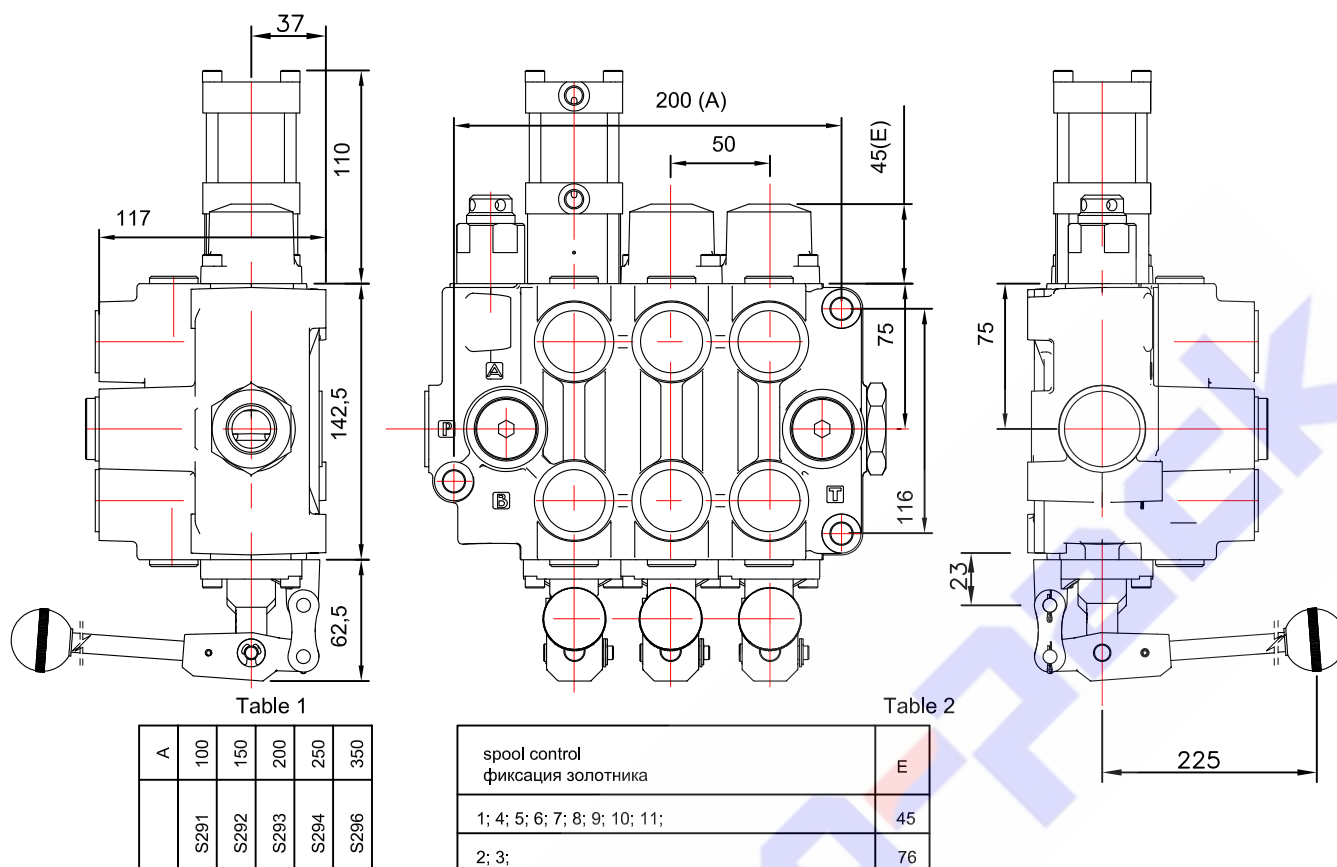
12. Spool stroke

Ход золотника

± 7 mm

13. Actuating force

< 300 N in spool axis direction



S29

No of spools 1-6

Main relief valve, pressure settings- RV bar
or without relief valve -"svp"

1 spool

Spool type

Spool control A side

Secondary valves

Spool control B side

2 spool

3 spool

4 spool

5 spool

6 spool

Thread: G , M, SAE

Carry over: C, C2

Reduction fitting - R

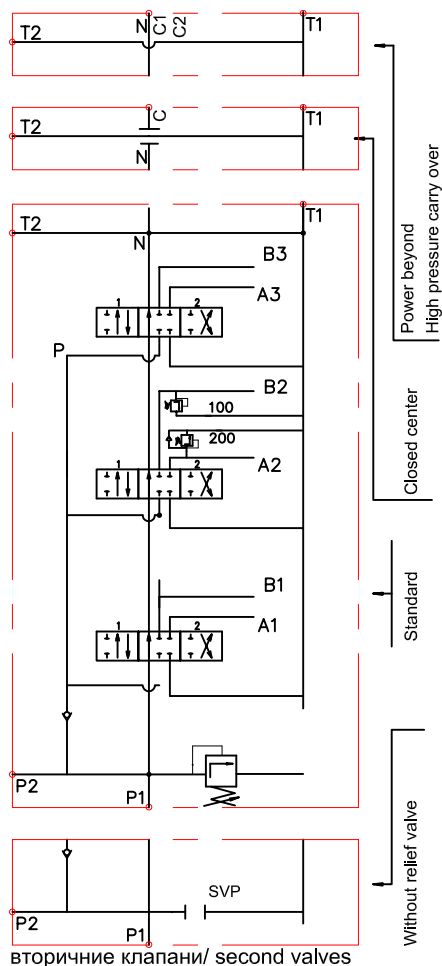
Outlet port:

Other

S293-svpP2-As1(Ay50By300)S1-AsS1-As(AzBz)S1-SAE-R

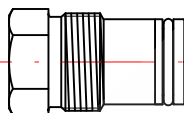
Port inlet

S293 - RY220P2-4s1S1-A1 (A=200By100)S1-A1S1-G-T2



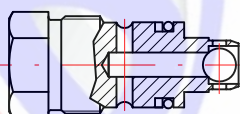
plug

"O"



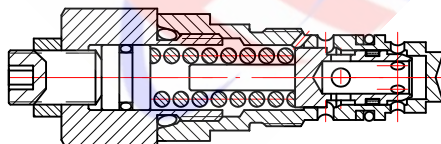
anticavitation valve

"x"



second relief valve

"y"



combined part relief and anticavitation valve

"z"

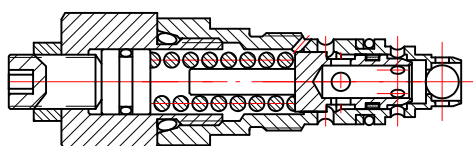


Table 3

code	Number of spools
S291	1
S292	2
S293	3

ets.

Table 4

code	way of distribution ; распределение потока
S291	1
S292	parallel ; параллельное

Table 5

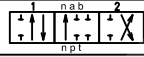
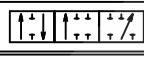
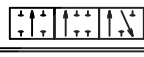
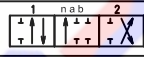
code 90 l/min	code 110 l/min	spool type
As	A	
Bs	B	
Cs	C	
Ds	D	
Es	E	
Fs	F	
Ks		

Table 6

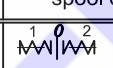
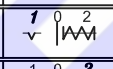
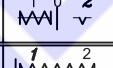
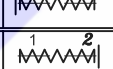
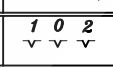
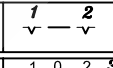
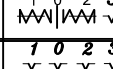
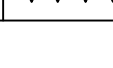
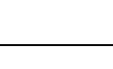
code	spool control
1	 1 0 2
2	 1 0 2
3	 1 0 2
6	 1 2
7	 1 2
8	 1 0 2
11	 1 2
12	 1 0 2 3
13	 1 0 2 3

Table 7

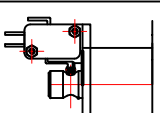
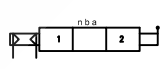
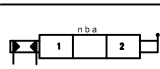
code	с микро шалтер ; incorporated microswitch
E	 mikroswitch type Omron-V 165 I C5 

Table 8

code	другое управление ; operation feature
P	 пневматическое on-off pneumatic control; 5-10 bar ; ports G1/8
H	 гидравлическое on-off hydraulic control ; pn = 7 - 20 bar ; ports G1/4

S290

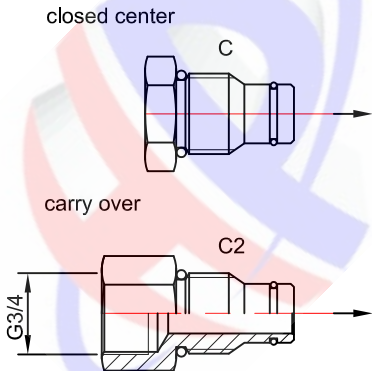
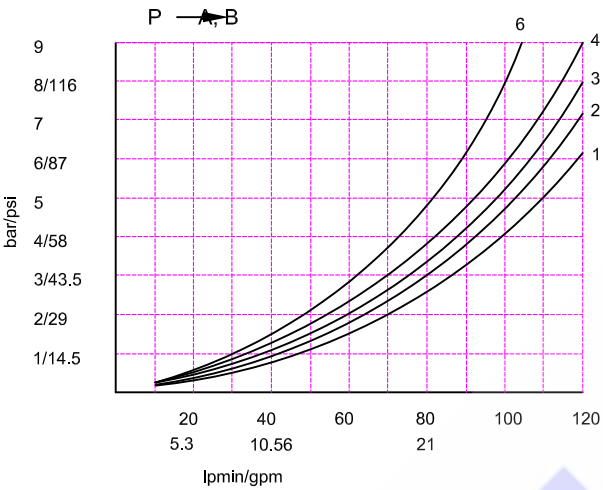
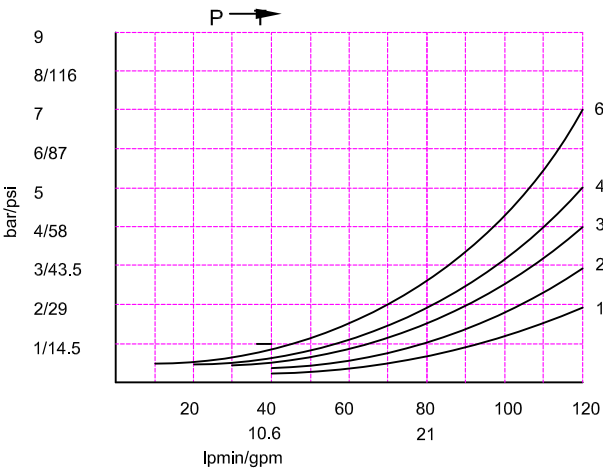
Table 9

code	ports (treads) ; присоединительные отверстия
	P1, P2 A ; B ; T2 T1 N
G	G3/4 G3/4 G1" G1"
S	1 1/16-12UN-2B 1 1/16-12UN-2B 1 5/16-12UN-2B G1"

Pilot ports

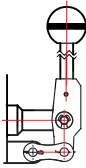
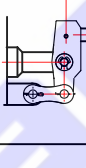
pneumatic	G1/8	NPTF 1/8-27
hydraulic	G1/4	9/16-18UNF-2B(SAE6)

S290 directional control valve



kind of hand control ; вид ручного управления

Table 10

code		ескиз feature
S1	Hand lever vertical.Link connection.	
S7	Hand lever vertical.Link connection. Opposite direction.	
S2	Hand lever horizontal.Link connection.	
-	without hand control ; без лостова система за управление	