

DIRECTIONAL CONTROL VALVES



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## P35 MONOBLOCK HYDRAULIC - D.C. VALVE



### Technical parameters:

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 bar
Nominal flow
Leakage

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A, B = 300 bar 35 l/min 10-15 cm3/min at 120 bar

DESCRIPTION: Manually or mechanically controlled hydraulic distributor P35 is designed for distribution and control of work flow between generator (pump) and executive mechanisms (cylinder, hydro-motor, etc.). Relief valve is integrated therein.

CONSTRUCTION: P35 is a mono-block distributor. Its body is made of cast iron EN-GJL300. Spool is made of carburized steel with hard chrome plating.

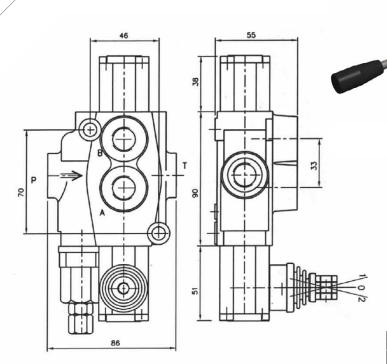
MOUNTING: Fixing is with two bolts M8.

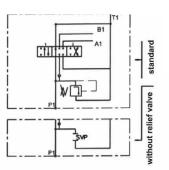




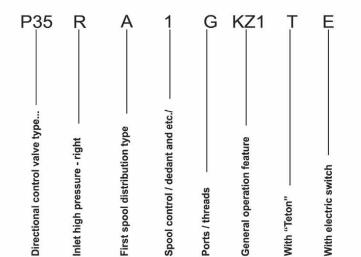
## VIIICKE VIRALICS

## P35 MONOBLOCK HYDRAULIC - D.C. VALVE





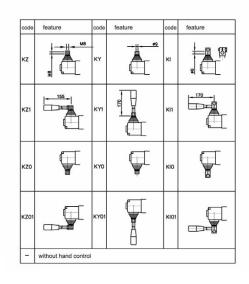
#### **ORDERING CODES**



code	spool type			
Α	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	code	spool contro	l _
В	1;111;;1;7;	1	1,000	1 0 2
С	[;1;]1;;]1;	2	1 Pm	102
D	[#####################################	3	10 € MI +	1 0 2
E	[######X	4	JWW	0 2
F	[#####################################	5	1,40	1 0
м	[;;;;[;X]	6	M	1 2
N	111111111111111111111111111111111111111	7	1,000	1 2
0	[;1;];;	8	1 0 2	102
Р	[#####X]	9	1 0	10
Q	[;]];;X];X	10	0 2 v v	0 2
R	[;;;;;X]	11	1 - 2 v - v	1 2

code		incorporated microswitch	
E	<u> </u>	microswitch type omron-V 165 I C 5	

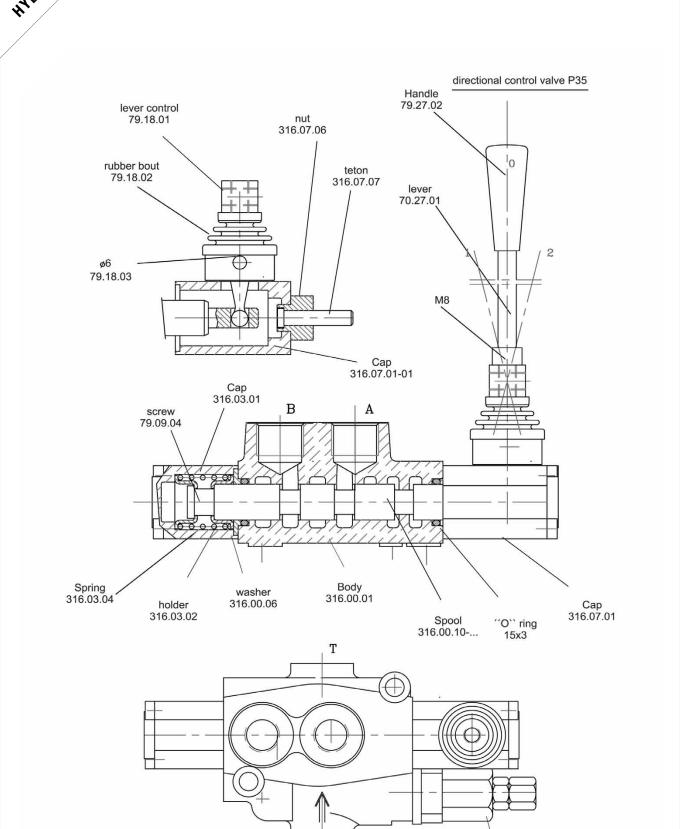
Code		ports (treads)	
	Р	A ; B	T
M	M18x1.5	M18x1.5	M18x1.5
G	G3/8	G3/8	G3/8
S	3/4-16UNF	3/4-16UNF	3/4-16UNF







## P35 MONOBLOCK HYDRAULIC - D.C. VALVE



P

relief valve

316.02.00





6

# JIMCKE HYDRAULICS

## P35S LOG SPLITTER - D.C. VALVE



#### Technical parameters:

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 bar
Pressure for authomatical release of spool
Leakage(A,B-T)
Nominal flow
Spool stroke
Actuating force

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A , B = 300 bar 70-140, bar 10cm3/min at 120bar 35 l/min +/- 7,9 mm < 220 N

- Hydraulically balanced, hard chrome plated spool
- · Lever system in which the handle can be installed in up or down position
- In neutral position both works ports are blocked and the pump unloads to tank

DESCRIPTION: The hydraulic distributor P35S is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank. It has a setting from 70 to 140 bar for automatic switch-off. It is designed as a "log splitter valve".

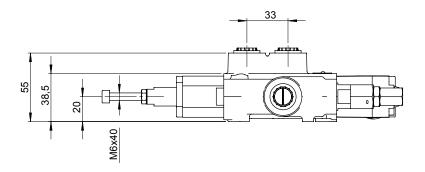
CONSTRUCTION: The hydraulic distributor P35S is a mono-block distributor with manual control. The body is made of cast iron EN-GJL300, and the spool is made of carburized steel with hard chrome plating.

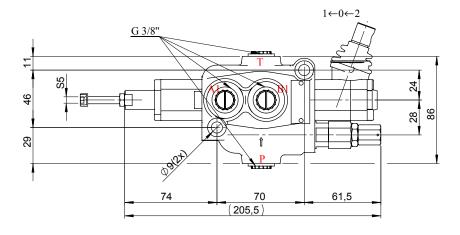
MOUNTING: The distributor is fixed with 3 (three) bolts M8

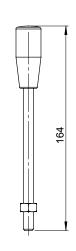


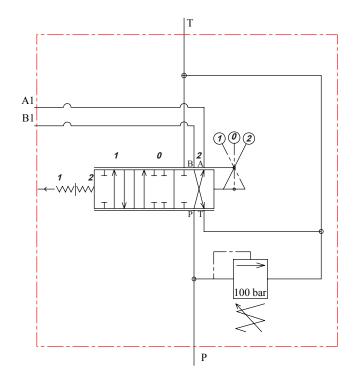




















## P40 MONOBLOCK HYDRAULIC - D.C. VALVE



#### Technical parameters:

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 bar
Leakage(A,B-T)
Nominal flow
Spool stroke
Actuating force
Modification/ Spools

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A, B = 300 bar 15cm3/min at 120bar 40 l/min 6 mm < 200 N with 1 to 7

DESCRIPTION: Manually or mechanically controlled hydraulic directional control valve P40 is designed for distribution and control of work flow between generator (pump) and executive mechanisms (cylinder, hydro-motor, etc.). It is manufactured with 1 to 7 plungers, with parallel or serial action, with common or individual back valve for each plunger, with or without safety valve

CONSTRUCTION: P40 is a mono-block distributor. Its body is made of cast iron EN-GJL300. Plungers are made of carburized steel with hard chrome plating.

MOUNTING: The distributor is fixed with two bolts M8

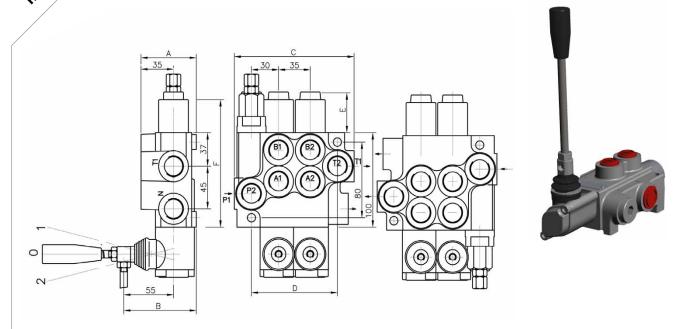






## VIIICKE VIRAILICS

## P40 MONOBLOCK HYDRAULIC - D.C. VALVE



### ORDERING CODES

0	2	P40	R	1	Α	1	Α	1	G KZ1	T	Н	Ε	C2	11
Table 3				Table 4	Table 5	Table 6			Table 9 Table 10		Table 8	Table 7	Table 11	Table 12
block with common check valve	number of spools	directional control valve type	inlet high pressure - right	way of distribution / parallel or/	first spool distribution type	spool control / dedant and etc./ _	second spool distribution type -	spool control / dedant and etc./	ports / treads /general operation feature	with " teton"	operation feature / pneumatic,/	with electric switch	high pressure carry over	connection ports in use

	Α	В	С	D	P1	P2	T1	T2
P40	60	80	85	60	+	-	+	-
02P40	60	80	129	97	+	+	+	+
03P40	60	80	164	132	+	+	+	+
04P40	60	80	199	167	+	+	+	+
05P40	60	80	234	202	+	+	+	+
06P40	60	80	269	237	+	+	+	+
07P40	60	80	304	272	+	+	+	+
02P40	60	80	129	97	+	+	+	+
03P40	60	80	164	132	+	+	+	+
04P40	60	80	199	167	+	+	+	+

spool control	Е	F
1; 4; 5; 6; 7; 8; 9; 10; 11;	40	193
2; 3;	72	225
16	+	+

code	way of distribution /
1	parallel

tandem (parallel series)



02, 2

03, 3



number of spools

2





## P40 MONOBLOCK HYDRAULIC - D.C. VALVE

	Table 5
code	spool type
Α	[;  ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
В	[;;];;;];;;;
С	[;1;1;;1;
D	(X:11111;X)
E	(111151:X)
F	[;tilt;il;X]
G	[1:11:7]
Н	:1:11:
М	[;;;;;;X]
N	***************************************
0	[;;;;;;;]
Р	( <u>************************************</u>
Q	[;;;;;X]
R	[;;;;[;X]
s	::11:7:
Т	[;1;];X]
к	֖֖֡֓֞֞֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓

		Table 6
code	spool control	1
1	1 P 2	1 0 2
2	1 Pm	1 0 2
3	1 2 ×	1 0 2
4	PM M	0 2
5	120	1 0
6	M	1 2
7	1	1 2
8	102	102
9	1 0	10
10	0 2 V V	0 2
11	1 - 2 v - v	1 2

code	Inc	corporated microswitch	
Е	<u> </u>	microswitch type omron-V 165 I C 5	

code	operation feature			
Р		on-off pneumatic control; 5-10 bar; ports G1/4		
Н		on-off hydraulic control; pn = 5-20 bar; ports G1/4		

13	<b>3</b>	1 v	0	2	3	1	0	2
16	3	<b>1</b>	ηľν	<b>√</b> 4	3	1	0	2

code		ports (treads)		
	Р	A ; B	T	N
M	M22x1.5	M18x1.5	M22x1.5	M22x1.5
G	G1/2	G3/8	G1/2	G1/2
S	7/8-14UNF	3/4-16UNF	7/8-14UNF	7/8-14UNF

			**	13R	~
**	L	<u> </u>	**	12	₩

	13R								
*	12	M	N N	W	~	1	0	2	3

					Table 10
code	feature	code	feature	code	feature
κz	MB MB	KY	*9	KI	
KZ1	155	KY1	170	KI1	170
кzо		күо		KIO	
KZ01		KY01		KI01	
-	without hand control				)

code		
С	closed center	100
C1	part for power beyond sleeve (carry over)	100 M22x1.5
C2	part for power beyond sleeve (carry over)	ø14 mm M22x1.5
-	without part for pressure carry over	- <b>∏</b> G 1/2
Χ	power beyond ever to tank	

code	used connection ports
11	P1 ; T1
12	P1 ; T2
21	P2 ; T1
22	P2 ; T2

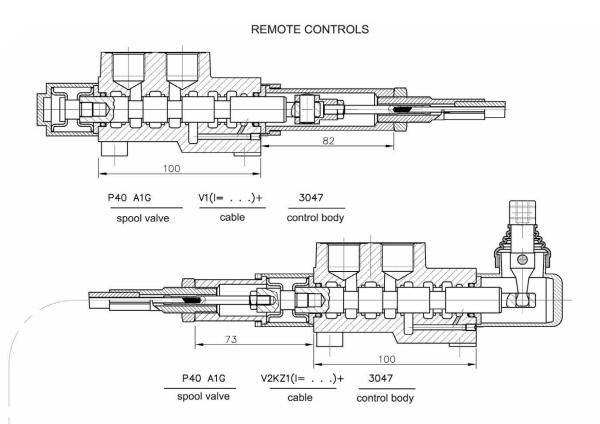






## JINCKE LICS

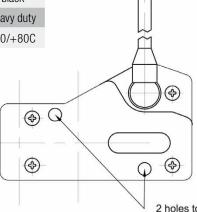
## P40 MONOBLOCK HYDRAULIC - D.C. VALVE



tec	hnical specifications		
	3047	3076	3077
stroke	13+13 mm	13+13 mm	13+13 mm
max. load	45 kg	45 kg	45 kg
level ratio	10:01	10:01	10:01
lock in neutral	no	no	yes
antireverse lock	no	yes	no
body color	black	black	black
cables type	heavy duty	heavy duty	heavy duty
operating temperature	-40/+80C	-40/+80C	-40/+80C

High solidity controls for easy mounting on every type of distributor. They can bymounted stand alone or packed together.

They use push-pull heavy duty cables that provide a positive smooth operating lever and are manifactured in a three differents models to meet different needs of Clients.



2 holes to mounting stackable



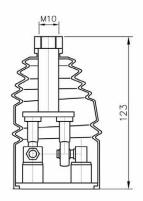


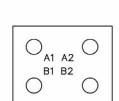


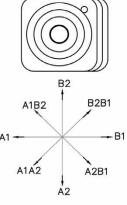
# JINCKE HARRILLES

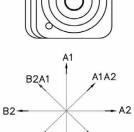
## P40 MONOBLOCK HYDRAULIC - D.C. VALVE

JOYSTICK"+"
his control gives the possibility to operate, at the same time two spool with a "+" movement







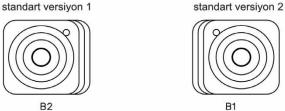


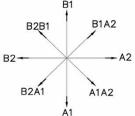
B1

B1A2

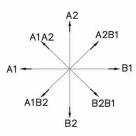
B2B1

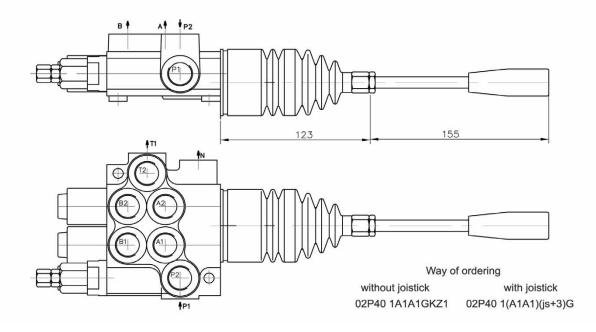
standart versiyon 3

















## P40 MONOBLOCK ELECTROHYDRAULIC - D.C. ON-OFF



### Technical parameters:

Maximum operating pressure of the valve, P=250;T=50 bar Nominal flow
Leakage(A, B-T)
Operating pressure min/max
Max operating pressure in L (T line)
Solenoid operating feature - Nom voltage tolerance
Power rating , Duty cycle
Collector Kit for 1 to 4 sections

A, B = 300 bar 40 I /min 15cm3/min at 120 bar 10/50 bar 25 bar +/-10% 24W / 100 %

DESCRIPTION: The electrohydraulic control option is designed for standard monoblock valve P40.

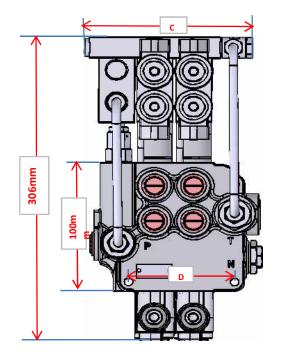


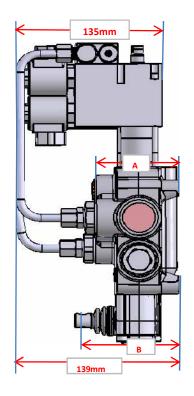


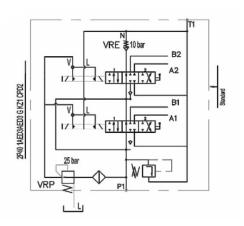


## VIIICKE HILLES

## P40 MONOBLOCK ELECTROHYDRAULIC - D.C. ON-OFF



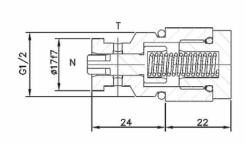


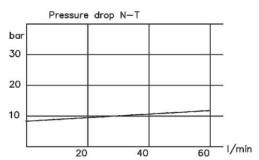


ordering codes (BSP threads)	
CED1	kit for 1 section
CED2	kit for 2 section
CED3	kit for 3 section
CED4	kit for 4 section

Ordering example 2P40-VRP-1A1ED3A1ED3 G KZ1-CED2-VRE-12VDC

### Back pressure valve VRE-P40





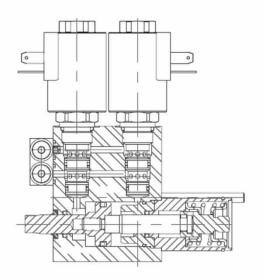








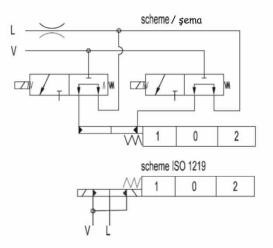
## P40 MONOBLOCK ELECTROHYDRAULIC - D.C. ON-OFF



#### Ordering codes

3-wai solenoid valve-SV08-33 coil P40ED3-G-12VDC coil P40ED3-G-24VDC

#### Directional control valve P40 ED3 - Electro - hydraulic control ON-OFF



Operating pressure min 10 bar(145 psi)

Max operating pressure in .L (T line) max 50 bar(725 psi)

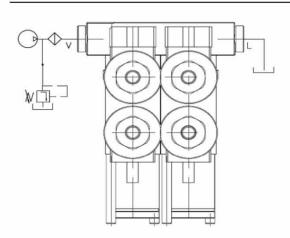
Solenoid operating features 25 bar(360 psi)

Nominal voltage tolerance ±10%

Power rating 24W

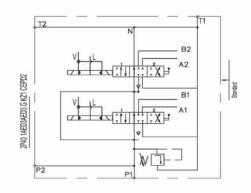
Duty cycle 100 %

### Collector kit for external pilot and drain - CEED...(1,2,3 ...)



#### Ordering example

2P40-1A1ED3A1ED3 G KZ1-CEED2-12VDC



ordering codes (BSP threads)	
CEED1P40	kit for 1 section
CEED2P40	kit for 2 section
CEED3P40	kit for 3 section
CEED4P40	kit for 4 section

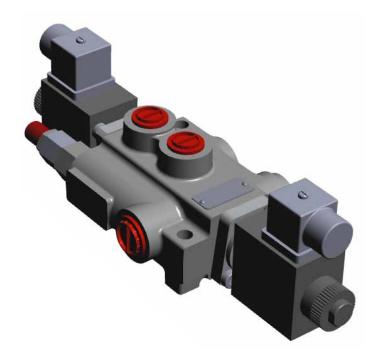








## Z50 MONOBLOCK VALVES - SOLENOID CONTROL



#### Technical parameters:

Nominal flow
Max operating pressure, P=250; T=10 bar
Leakage (A,B>T)
Hydraulic liquid
Viscosity
Fluid temperature
Ambient temperature
Spool stroke
Actuating force

50 l/min
A , B = 300 bar
15 cm3/min at 120 bar
Mineral base oil
12...800 mm2/s
-20C to 80C
-40C...+60C
6 mm
<220 N

DESCRIPTION: The monoblock directional control valves-solenoid operated, offer perfect choice whether you are designing a new system or just simply trying to get more out of your current system. With two special spools and 7 different monoblock housings these valves can meet the specific needs of your application and hydraulic schemes by their double acting in 3 positions A and D spools.

CONSTRUCTION: Precise bore honing and spool grinding results in less cross-port leakage and less wasted energy. These precise valves also allow for interchangeable spools for easy on place maintenance.

MOUNTING: The mounting is the same as standard monoblock valves using bolts M8 or complete line of stud kits.





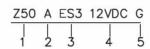


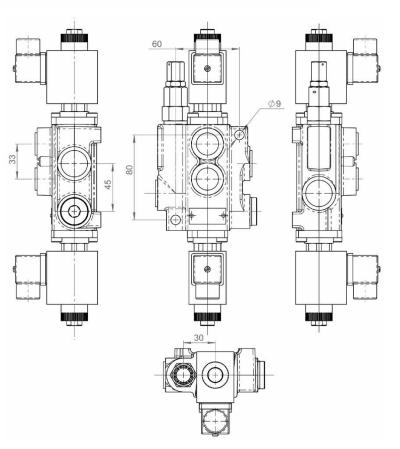


## **Z50 MONOBLOCK VALVES - SOLENOID CONTROL**

Solenoid direct control with spring return to neutral position. Needs special spools and special body Z50.

#### ORDERING EXAMPLE





1	Rody	Lit.

Type	Description
Z50	1 spool
02Z50	2 spool
03Z50	3 spool
04Z50	4 spool
05Z50	5 spool
06750	6 spool

#### 2.Spool options / Spol seçenekleri

Type/Tipi Description / Tanımı

A Double acting, 3 positions with A and B closed in neutral position

D Double acting, 3 positions with A and B open to Tank in neutral position

#### 3.Control kit

Type	Description	
Es1	Single acting P-A with spring return in neutral position	
Es2	Single acting P-B with spring return in neutral position	
ES3	Double acting P-(B) with spring return in neutral position	

#### 4.Coils

Type / Tipi	Description / Tanımı
(with con	nector ISO 4400)
12VDC	Nominal voltage 12VDC
24VDC	Nominal voltage 24VDC
5.Threads	
G	P.T - G1/2; A,B - G3/8

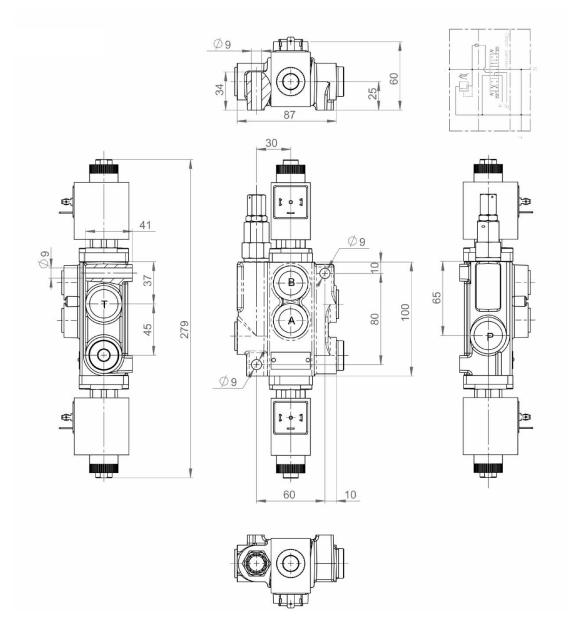








## Z50 MONOBLOCK VALVES - SOLENOID CONTROL



#### **Operating features**

#### Control

Internal leakage A(B)-T (p=100 bar Viscosity 35 cST : max 18 cc/min

Nominal voltage tolerance......±10% Duty cicle ......100% Connector ISO 4400

Imergency manual override









## Z50 LOG SPLITTER - D.C. VALVE



#### Technical parameters:

Actuating force

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 br
Pressure for authomatical release of spool
Leakage(A,B-T)
Nominal flow
Spool stroke

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A, B = 300 bar 70-140, bar 15cm3/min at 120bar 50 l/min +/- 7,9 mm < 220 N

- Hydraulically balanced, hard chrome plated spool
- Lever system in which the handle can be installed in up or down position
- In neutral position both works ports are blocked and the pump unloads to tank

DESCRIPTION: The hydraulic distributor Z50 LS is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank. It has a setting from 70 to 140 bar for automatic switch-off. It is designed as a "log splitter valve".

CONSTRUCTION: The hydraulic distributor Z50 LS is a mono-block distributor with manual control. The body is made of cast iron EN-GJL300, and the spool is made of carburized steel with hard chrome plating.

MOUNTING: The distributor is fixed with 3 (three) bolts M8.



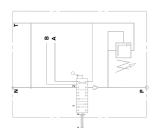


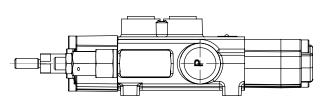


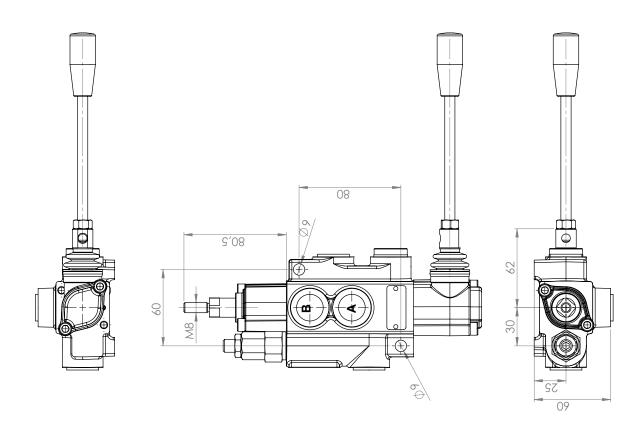


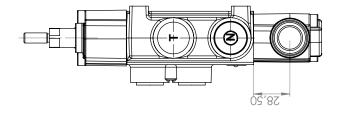
## DIRECTIONAL CONTROL VALVES

## Z50 LOG SPLITTER – D.C. VALVE

















## P80 MONOBLOCK - D.C. VALVE



### Technical parameters:

Actuating force

Modification / Spools

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 bar
Leakage(A,B-T)
Nominal flow
Spool stroke

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A , B = 300 bar 18cm3/min at 120bar 80 l/min +/- 7 mm < 220 N with 1 to 6

DESCRIPTION: The hydraulic distributor P80 is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank. It is manufactured with up to 6 plungers with parallel or serial distribution

CONSTRUCTION: The hydraulic distributor P80 is a mono-block distributor with manual control. The body is made of cast iron EN-GJL300, and the spools are made of carburized steel with hard chrome plating

MOUNTING: The distributor is fixed with 3 (three) bolts M8.

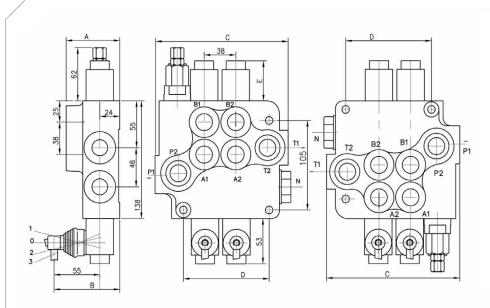






## VINCHE WILLES

## P80 MONOBLOCK - D.C. VALVE





#### **ORDERING CODES**

0	2	P80	R	1	Α	1	Α	1	G	KZ1	Τ	Н	Ε	C2	11
9															
block with common check valve		e type	Ħ H	way of distribution / paralel or/	ype	spool control / detend and etc./	second spool distribution type	spool control / detend and etc./		e e		h.			
on che	l s	directional control valve type	inlet high pressure - right	on / paı	first spool distribution type	etend a	stributi	etend a		general operation feature		7:: 6	l hs	high pressure carry over	connection ports in use
п сошп	number of spools	al contr	pressu	stributi	l distril	ıtrol / d	pool dis	ıtrol / d	ads /	peratio	; ;	operation feature	with electric switsh	sure ca	on ports
ck with	mber o	ections	et high	y of di	st spoo	ool con	ls puos	ool con	ports / treads /	neral o	with "teton"	eration	h elect	th pres	nnectio
엉	2	Ė	Ē	wa	firs	sb	sec	sb	od	gei	wit	ď	× ×	hig	8

	Α	В	С	D	P1	P2	T1	T2
P80	65	79	107	65	*	*	-	-
2P80	60	94	160	103	*	*	*	*
3P80	60	94	198	141	*	*	*	*
4P80	60	94	242	179	*	*	*	*
5P80	60	94	280	217	*	*	*	*
6P80	60	9/	318	255	*	*	*	*

spool control	Е
1, 4, 5, 6, 7, 8, 10, 11	40
2, 3, 12 14	72
13	44

code	number of spools
	1
2	2
3	3
4	4
5	5
6	6

code	way of distribution
1	parallel
2	tandem (series parallel)









## P80 MONOBLOCK - D.C. VALVE

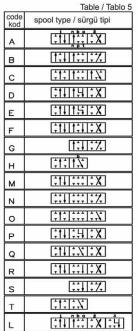
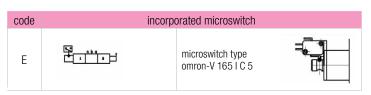
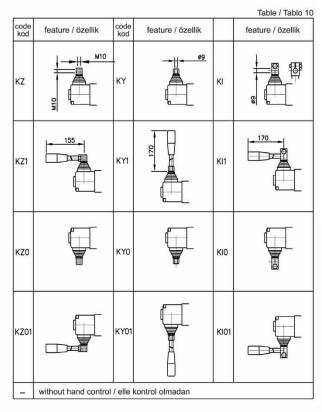


		Table / Tablo 6
code kod		/ sürgü kontrolü
1	1 0 2 M/M	1 0 2
2	1 0 2 V  W	102
3	1 0 2	1 0 2
4	0 2  WM	0 2
5	1 o	1 0
6	MMM	1 2
7	1 2	1 2
8	102	102
9	1 0	1 0
10	0 2 v v	0 2
11	1 - 2 v - v	1 2
12	1 0 2 3	1 0 2 3
13	1023	1023



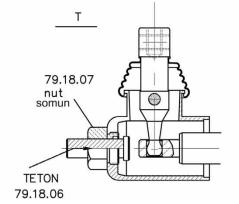
code		operation feature
Р		on-off pneumatic control; 5-10 bar; ports G1/4
Н	1000	on-off hydraulic control; pn = 5-20 bar; ports $G1/4$

code		ports (treads)					
	Р	A ; B	T	N			
M	M22x1.5	M22x1.5	M26x1.5	M26x1.5			
G	G1/2	G1/2	G3/4	G3/4			
S	7/8-14UNF	7/8-14UNF	1 1/16-14UNF	1 1/16-14UNF			



code		
С	closed center	<b>EE</b>
C1	part for power beyond sleeve (carry over)	#14 mm M22x1.5
C2	part for power beyond sleeve (carry over)	G 1/2 M22x1.5
-	without part for pressure carry over	- <b>a</b> #
Χ	power beyond ever to tank	

code	used connection ports
11	P1 ; T1
12	P1 ; T2
21	P2 ; T1
22	P2 ; T2



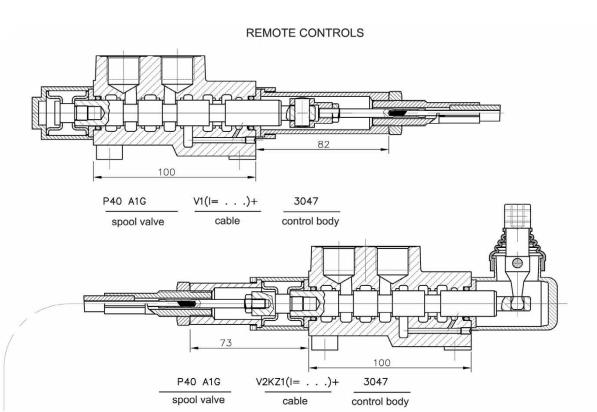






## VIIICHE HARILICS

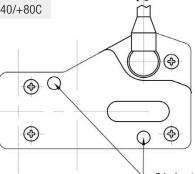
## P80 MONOBLOCK - D.C. VALVE



technical specifications								
	3047	3076	3077					
stroke	13+13 mm	13+13 mm	13+13 mm					
max. load	45 kg	45 kg	45 kg					
level ratio	10:01	10:01	10:01					
lock in neutral	no	no	yes					
antireverse lock	no	yes	no					
body color	black	black	black					
cables type	heavy duty	heavy duty	heavy duty					
operating temperature	-40/+80C	-40/+80C	-40/+80C					

High solidity controls for easy mounting on every type of distributor. They can bymounted stand alone or packed together.

They use push-pull heavy duty cables that provide a positive smooth operating lever and are manifactured in a three differents models to meet different needs of Clients.



2 holes to mounting stackable



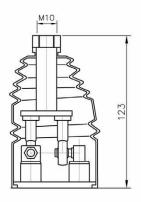


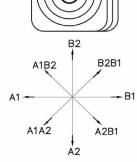


## VINCHE LIVES

## P80 MONOBLOCK - D.C. VALVE

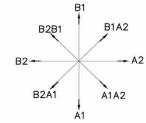
JOYSTICK"+"
his control gives the possibility to operate, at the same time two spool with a "+" movement





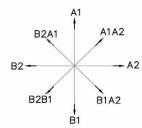
standart versiyon 1

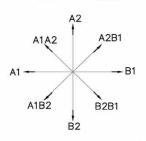


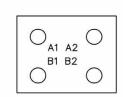


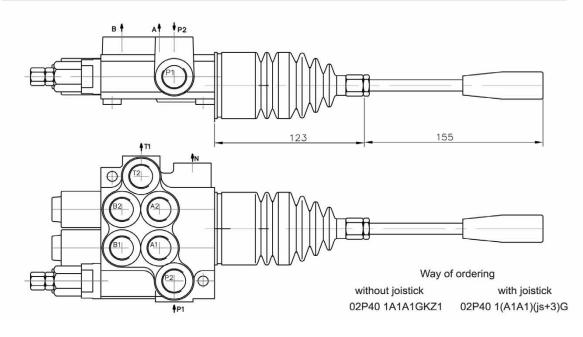


















## P80 MONOBLOCK ELECTRO HYDRAULIC D.C. ON-OFF



### Technical parameters:

Maximum operating pressure of the valve, P=250;T=50 bar
Nominal flow
Leakage(A, B-T)
Operating pressure min/max
Max operating pressure in L (T line)
Solenoid operating feature - Nom voltage tolerance
Power rating, Duty cycle
Collector Kit for 1 to 4 sections

A, B = 300 bar 40 I /min 15cm3/min at 120 bar 10/50 bar 25 bar +/-10% 24W / 100 %

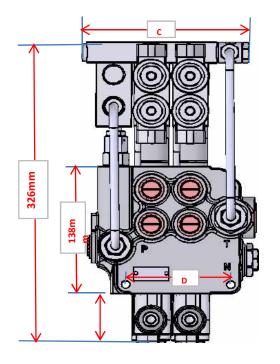
DESCRIPTION: The electrohydraulic control option is designed for standard monoblock valve P40.

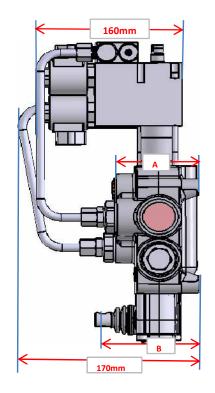


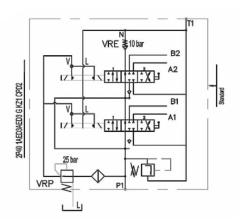




## P80 MONOBLOCK ELECTRO HYDRAULIC D.C. ON-OFF



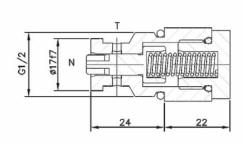


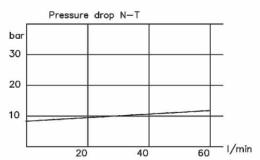


ordering codes (BSP threads)	
CED1	kit for 1 section
CED2	kit for 2 section
CED3	kit for 3 section
CED4	kit for 4 section

Ordering example 2P40-VRP-1A1ED3A1ED3 G KZ1-CED2-VRE-12VDC

#### Back pressure valve VRE-P40





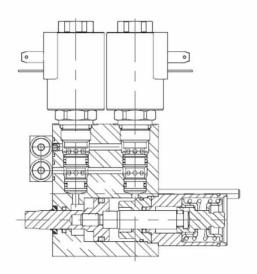








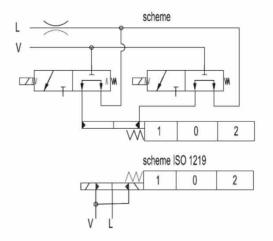
## P80 MONOBLOCK ELECTRO HYDRAULIC D.C. ON-OFF



#### Ordering codes

3-wai solenoid valve-SV08-33 coil P80ED3-G-12VDC coil P80ED3-G-24VDC

#### Directional control valve P80 ED3 - Electro - hydraulic control ON-OFF



Operating pressure min 10 bar(145 psi)

Max operating pressure in .L (T line) max 50 bar(725 psi)

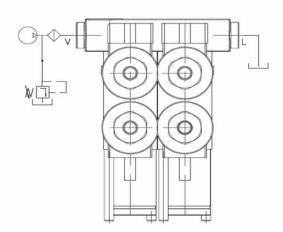
Solenoid operating features 25 bar(360 psi)

Nominal voltage tolerance ±10%

Power rating 24W

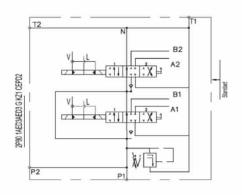
Duty cycle 100 %

### Collector kit for external pilot and drain - CEED...(1,2,3 ...)



#### Ordering example

2P80-1A1ED3A1ED3 G KZ1-CEED2-12VDC



ordering codes (BSP threads)								
CEED1P80	kit for 1 section							
CEED2P80	kit for 2 section							
CEED3P80	kit for 3 section							
CEED4P80	kit for 4 section							

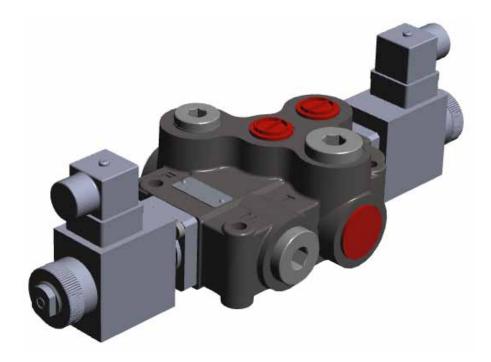








## Z80 MONOBLOCK VALVES - SOLENOID CONTROL



### Technical parameters:

Nominal flow
Max operating pressure, P=250; T=10 bar
Leakage (A,B>T)
Hydraulic liquid Mineral base oil Viscosity
Fluid temperature
Ambient temperature
Spool stroke
Actuating force

80 l/min A, B = 300 bar 18 cm3/min at 120 bar 20...800 mm2/s -20C to 80C -40C...+60C 6 mm <220 N

DESCRIPTION: The directional mono block valve Z80 is a valve with specially machined body. The throttle channels are realized at the spool's surface. The design of the valve is implemented for applications which need precise and lightly distribution of hydraulic fluid. The construction guarantee precise metering diagram.

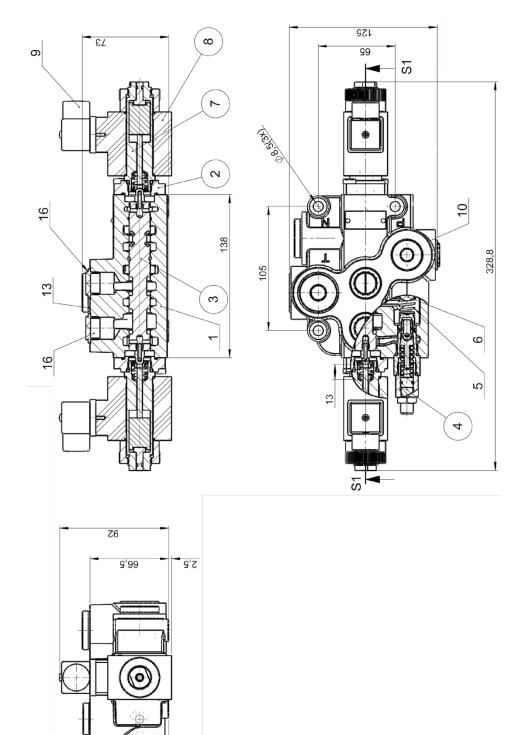






## JINCY E

## Z80 MONOBLOCK VALVES - SOLENOID CONTROL



Part	P1	P2	Α	В	T1	T2	N
511.00.00.01-01	G1/2	G1/2	G1/2	G1/2	G3/4	G3/4	G3/4
-02	7/8 SAE	7/8 SAE	7/8 SAE	7/8 SAE	1"1/16 SAE	1"1/16 SAE	1"1/16 SAE
-03	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	3/4 NPT	3/4 NPT	3/4 NPT
-04	M22x1,5	M22x1,5	M22x1,5	M22x1,5	M26x1,5	M26x1,5	M26x1,5







54,5



## Z80 MONOBLOCK VALVES - SOLENOID CONTROL

#### CONTROL

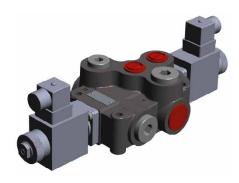
Internal leakage A(B) → T
$(P=120 \text{ bar, viscosity} = 32 \text{ mm}^2/\text{s} : \text{max. } 40 \text{ l/m})$
Fluid temperature - 20° C (short time)80 °C
Max. back pressure on outlet port T - 25 bar (360 psi)

#### COIL

Nominal voltage toler	ance ± 10%
Power rating	37 W
Coil insurance	class H
Duty cicle	100%
Connector IS	60 4400
Emergency man	ual override

#### **BODY KIT**

Туре	Description
01Z80	1 spool
02Z80	2 spool
03Z80	3 spool
04Z80	4 spool
05Z80	5 spool
06Z80	6 spool



#### SPOOL OPTIONS

Туре	Description
А	Double acting, 3 positions with A and B closed in neutral position
В	Double acting, 3 positions with A and B open to tank in neutral position

#### CONTROL KIT

Туре	Description
ES1	Single acting $P-A$ with spring return in neutral position
ES2	Single acting P – B with spring return in neutral position
ES3	Double acting $P - A$ (B) with spring return in neutral position

#### COIL (with connector ISO 4400)

Type	Description
12 VDC	Nominal voltage 12 VDC
24 VDC	Nominal voltage 24 VDC

#### THREADS

G	P, A, B - G1/2; T - G3/4









## P120 MONOBLOCK HYDRAULIC - D.C. VALVE



### Technical parameters:

Ambient temperature
Hydraulic liquid -mineral oil based/hydraulic oil Viscosity
Fluid temperature
Filtration
Max operating pressure, P=250; T=50 bar
Leakage(A,B-T)
Nominal flow
Spool stroke
Actuating force
Modification/Spools

-40C...+60C 12 ...800 mm2/s -15C...+80C 10 to NAS 1638 A , B = 300 bar 30cm3/min at 120bar 120 l/min 10 mm,L12+/-10/6 < 300 N with 1 to 4

DESCRIPTION: The hydraulic distributor P120 is used for switching on/off and controlling of the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tanks of hydraulic systems of mobile machines (electrical and diesel forklifts, excavators, auto-cranes, etc.).

CONSTRUCTION: The hydraulic distributor P120 is a mono-block type with manual control. The body is made of cast iron EN-GJL300, and the spools are made of carburized steel with hard chrome plating

MOUNTING: The distributor is fixed with 3 bolts M10

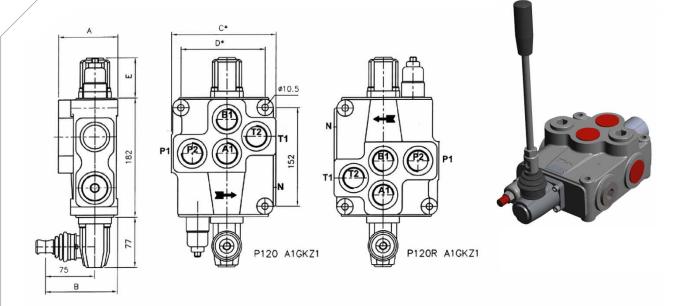






## VIIICKE NITIES

## P120 MONOBLOCK HYDRAULIC - D.C. VALVE



### **ORDERING CODES**

02	P120	1	A	1		12	G KZ1	H	Ę 	C2	-11
Number of spools	Aydraulic directional control valve	Parallel distribution	Spool type - distribution	Spool control	Second spool distribution	Second spool control	Ports threads ————————————————————————————————————	Operation features	Elektric micro switch	Carry over center	Connection ports in use —

	Α	В	С	D	P1	P2	T1	T2
P120	92	110	160	129	+	+	+	+
2P120	92	110	213	182				
3P120	92	110	266	235				
4P120	92	110	319	288				

code	number of spools
Р	1
02, 2	2
03, 3	3
04. 4	4

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

code	way of distribution
1	parallel
(2)	tandem (series parallel)









## P120 MONOBLOCK HYDRAULIC - D.C. VALVE

code	spool type
Α	<u>֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֚֡֞֞֞</u> ֡֓֓֓֓֓֓֓֓֓֡֡֡֡֓֓֓֓֓֡֡֡֓֓֓֓֡֡֓֓֓֓֡֡֓֓֡֓֓
В	1:111:1:7
С	[;1;]1;;]1;;]
D	[X:[#:[III:]
E	[:11]1:5[:X]
F	[:tilt:i];X]
G	[1:1]:7
н	:::1::1:
м	[;11];;;[;X]
N	[::1]:::[::X]
0	[;;;;;;;]
Р	(X: H: IT:
Q	[;];];X]
R	::::::X
s	[;;][;;]
т	[;;;;;]
L	<u>֚֚֓֞֞֞</u> ֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֞֓֞֓֡֓֓֡֓֓֡

code	spool control	
1	1 0 2	1 0 2
2	1 0 2 ~   <del> </del>	1 0 2
3	2 × 0 ×	1 0 2
4	0 2	0 2
5	<del>1</del> ~1	1 0
6	1 2 1 2	1 2
7	1 2	1 2
8	102	102
9	* * *	1 0
10	0 2	0 2
11	1-2	1 2
12	1 0 2 3	1 0 2 3
13	1023	1023

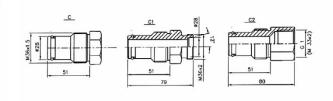
code	Incorporated microswitch	
Е	microswitch type Omron-V 165 I C 5	

code		operation feature
Р	1 1	on-off pneumatic control; 5-10 bar; ports G1/4
Н		on-off hydraulic control; pn = 5-20 bar; ports G1/4

outlets / ports	metric	BSP	SAE	NPT
P, A, B, T	M33X2	G 1"	SAE 16	1 - 11.5
N	M36X1.5	-	-	-

code	with thread M12	code	with cange \square	code	with cange \alpha12
ΚZ	X12 21W 21S 38 8E	ΚΥ	ø12	кі	
KZ1		KY1		KII	
KZ0		KY0		KIO	
KZ01		KY01		KIO1	

code	metric
Χ	without N
-	with N but closed
С	with N but closed center
C1	with N-carry over for ermeto
C2	with N-carry, internal thread



code	used connection ports
11	P1 ; T1
12	P1 ; T2
21	P2 ; T1
22	P2 ; T2

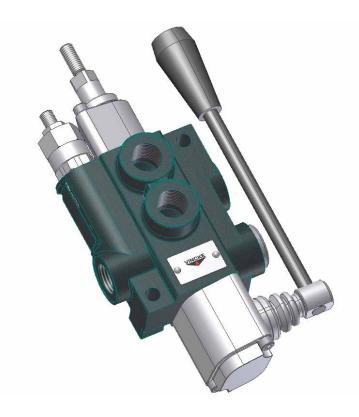








## P120S LOG SPLITTER - D.C. VALVE



#### Technical parameters:

Nominal flow rating
Max operating pressure, P=250; T=10 bar
Leakage (A,B>T)
Hydraulic liquid Mineral base oil Viscosity
Fluid temperature
Ambient temperature
Spool stroke
Actuating force

120 l/min
A, B = 300 bar
30 cm3/min at 120 bar
12...800 mm2/s
-20C to 80C
-40C...+60C
10 mm
<300 N

- Hydraulically balanced, hard chrome plated spool
- Lever system in which the handle can be installed in up or down position
- In neutral position both works ports are blocked and the pump unloads to tank

DESCRIPTION: The hydraulic distributor P120 LS is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank. It has a setting from 70 to 140 bar for automatic switch-off. It is designed as a "log splitter valve".

CONSTRUCTION: The hydraulic distributor P120S is a mono-block distributor with manual control. The body is made of cast iron EN-GJL300, and the spool is made of carburized steel with hard chrome plating.

MOUNTING: The distributor is fixed with 3 (three) bolts M10.







### VINCE RAILICS

### DIRECTIONAL CONTROL VALVES

### PC70 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



### Technical parameters:

Nominal flow
Max operating pressure, P=250; T=10 bar
Leakage (A,B>T)
Hydraulic liquid Mineral base oil Viscosity
Fluid temperature
Ambient temperature
Spool stroke
Actuating force
Modification/Sections

70 I/min
A , B = 300 bar
18 cm3/min at 120 bar
12...800 mm2/s
-20C to 80C
-40C...+60C
7 mm
<220 N
up to 8

DESCRIPTION: The hydraulic distributor P70 is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank.

CONSTRUCTION: PC70 is a sectional directional control valve with manual control. The distributors are manufactured as either parallel or serial working flow distribution versions. They can be integrated in packages of up to 8 sections

MOUNTING: The distributor is fixed with 3 (three) bolts M8.

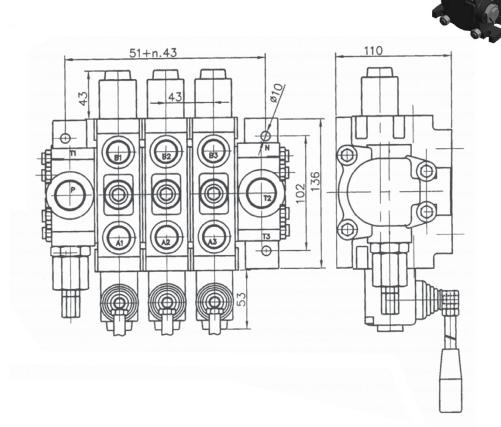








### PC70 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



### **ORDERING CODES**

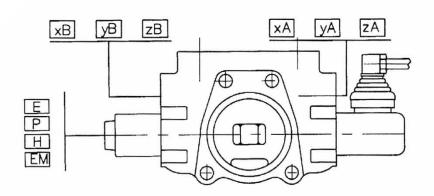
03	PC70	s on right	N1	P	A1 /	A8xAzE		T1	G	KZ1
Number of spools	Sectional control valve	Only when inlet cover is on right	Type of the inlet cover	Way of distribution of oil	First distribution type	Second spool distribution type	Third spool distribution type	Type of the outlet ower	Threads (P, A, B, T, N)	General operation feature



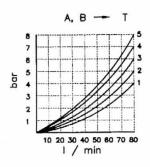


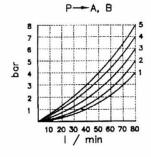
# VIIICKE LINES

### PC70 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



7 6 5 3 2		8	1	-T	1	1	-1-	17	16
5 4 3 2		7			+	-+		1	5
3 2		6	-		+		1	//	14
3 2	bar	5			-	-	//	X	3
2		4			-	1	X	1)	1 2
		3	-	-+-	1		1		1
1		2		- 2	#			1	
		1	4		-			1	





code	spool type
Α	
В	[######
С	[11:11:11.
D	[#####################################
Е	[:11]15[:X]
F	[;;;;;;X]
G	1:11:7
Н	[;1;1;\]
L	1 1 1 2 3

code	spool con	trol
1		0 2
2	1 0 2 - WM 1	0 2
3	1 0 2 W v 1	0 2
4	) 2   WM	0 2
5	1 1	0
6	1 × × × 1	2
7	1 2	2
8	1 0 2 v v v 1	0 2
9	1 0 7 7	0
10	0 2 v v	0 2
11	$\frac{1}{v} - \frac{2}{v}$ 1	2
12	1 0 2 3 W W ~ 1	0 2 3
13	1 0 2 3 v v v v 1	0 2 3

code	threaded con	nections	code	way of oil distribution
	P, A, B	T, N	Р	parallel
М	M22x1.5	M26x1.5	T	tandem (series parallel)
G	1/2	3/4	S	series

code	with electric switch							
Е		microwitch omron -V 165 I C5						

code	(	pperation feature
Р		pneumatic
Н		hydraulic

хA	xВ	anti cavitation valve for A and / or B
уA	yВ	secondary pressure relief valve for A and /or B
zA	zB	shock abosorber valve A and/or B

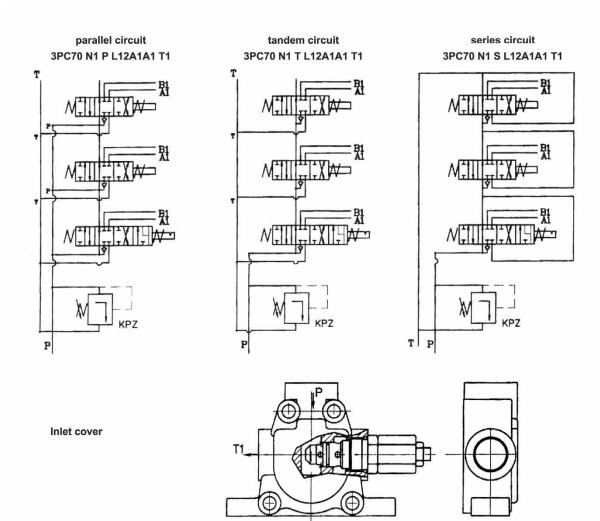








### PC70 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



code	Inlet cover
N1	N
N2	N
N3	N T1



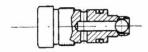


# VIIICHE HYDRAULICS

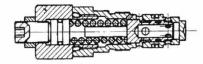
### PC70 SECTIONAL VALVES WITH DIRECTIONAL CONTROL

#### general operation feature

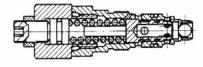
### Anticavitation Valve(X)

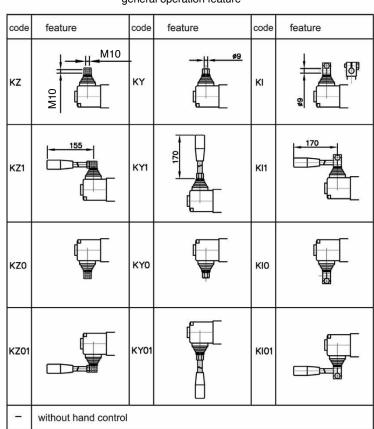


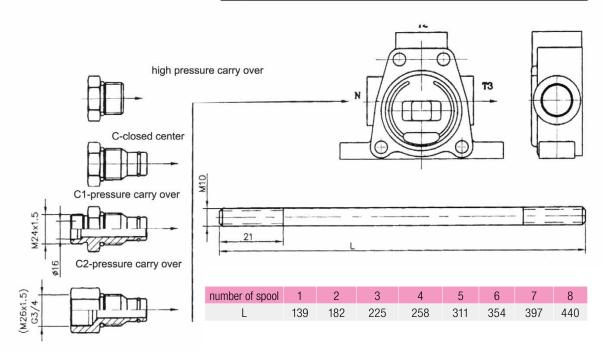
### Second relief valve(Y)



Relief and anticavitation valve (Z)



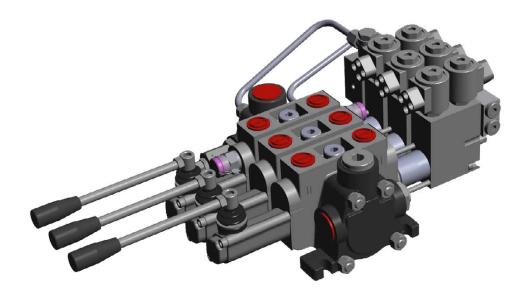








### PC100 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



### Technical parameters:

Nominal flow 80 l/min

Max. flow 100 l/min

Max. operating procesure, R=250: T=10 bar. A. R = 200

Max operating pressure, P=250; T=10 bar A, B=300 bar

Leakage (A,B>T) 18 cm3/min at 120 bar Hydraulic liquid Mineral base oil Viscosity 20...1000 mm/s

Fluid temperature -20C to 80C
Ambient temperature -40C...+60C
Spool stroke 7 mm

Spool stroke 7 mm
Actuating force <220 N
Modification/Sections up to 8

DESCRIPTION: The hydraulic distributor P100 is used for switching on/off and directing the working fluid between head flow generators (hydraulic pumps), head flow consumers (hydraulic cylinders, motors, etc.), and the tank.

CONSTRUCTION: PC100 is a sectional directional control valve with manual control. The distributors are manufactured as either parallel or serial working flow distribution versions. They can be integrated in packages of up to 8 sections

MOUNTING: The distributor is fixed with 3 (three) bolts M8



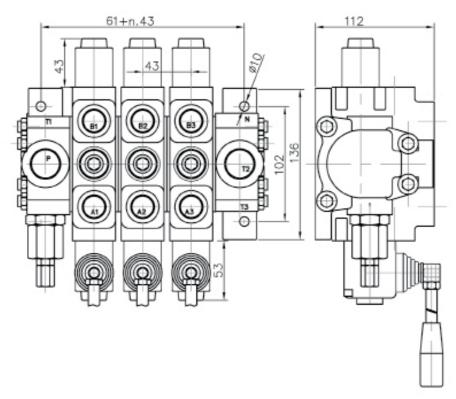






### PC100 SECTIONAL VALVES WITH DIRECTIONAL CONTROL





### ORDERING CODES

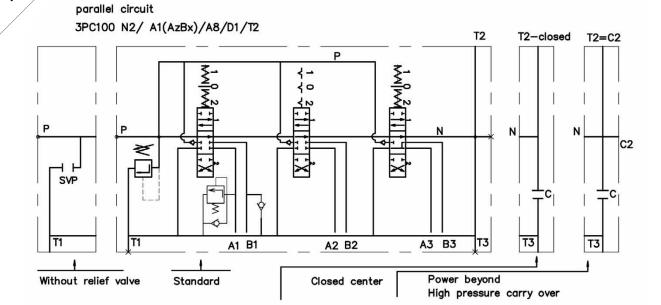
	PC 100	- right		11(-AzB			T2 (2004 (1 port)	G (N.T	KZ*		E	C Javo Ali
number of spools -	directional control valve type	inlet high pressure - r	type of the inlet cover	second spool distribution type	second spool distribution type	Third spool distribution	type of the outlet cover (T	threads (P, A, B, T, N)	lever options	operation feature	with micro switsh -	high pressure carry o

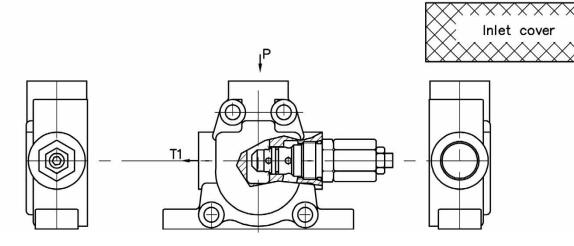




### JINCKE TRAILLES

### PC100 SECTIONAL VALVES WITH DIRECTIONAL CONTROL



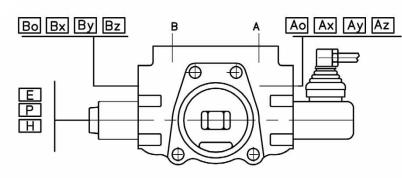


code	inlet cover
N1	N1 (210 bar)
N1 svp	N   svp   T1   T1   T1
N2	N2 (210 bar)
N2 svp	N   svp   T1





### PC100 SECTIONAL VALVES WITH DIRECTIONAL CONTROL





	1		P	· <b>-</b>	-Т						
bar	12 10 8 6 4										4321
		_	20 	# /	o mii	60 n	)	8	0	10	00

code	code	вид золотника
std	met	spool type
Α	As	
В	Bs	
С	Cs	[;1;11;;1]
D	Ds	[;;;;; <u> </u> ;;X]
Е	Es	[]]]][]]
F	Fs	(X;11;11;X)
G		[1;11;7]
Н		(1111)

code	cnocof qu	
1	1 0 2	1 0 2
2	1 0 2 V  WM	1 0 2
3	1 0 2   W   v	1 0 2
4	0 2  WM	0 2
5	1 0 M	1 0
6	1 2 	1 2
7	1 2	1 2
8	1 0 2 v v v	1 0 2
9	1 0	1 0
10	0 2 v v	0 2
11	$\frac{1}{v} - \frac{2}{v}$	1 2

		-	+	$\vdash$	+	+		
9	12 10							4
ğ								3 2
	8 6 4 2							7
	2	-				7	1	

P─A, B

10 8 6

	3 2 1	
80	100	

code	threaded connections			code	Wa	y of oil distri	bution
	P, T	A, B	catty over C2		P, T	A, B	catty over C2
M	M22x1.5	M26x1.5	G 3/4	S1	SAE 12	SAE 10	SAE 12
G	1/2	3/4	G 3/4	S2	SAE 12	SAE 12	SAE 12

with electric switch

Е	****	microwitch omron -V 165 I C5		
code		operation feature		
Р		pneumatic		
Н		hydraulic		

opera	ting	diagi	rams
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20 40 I / min

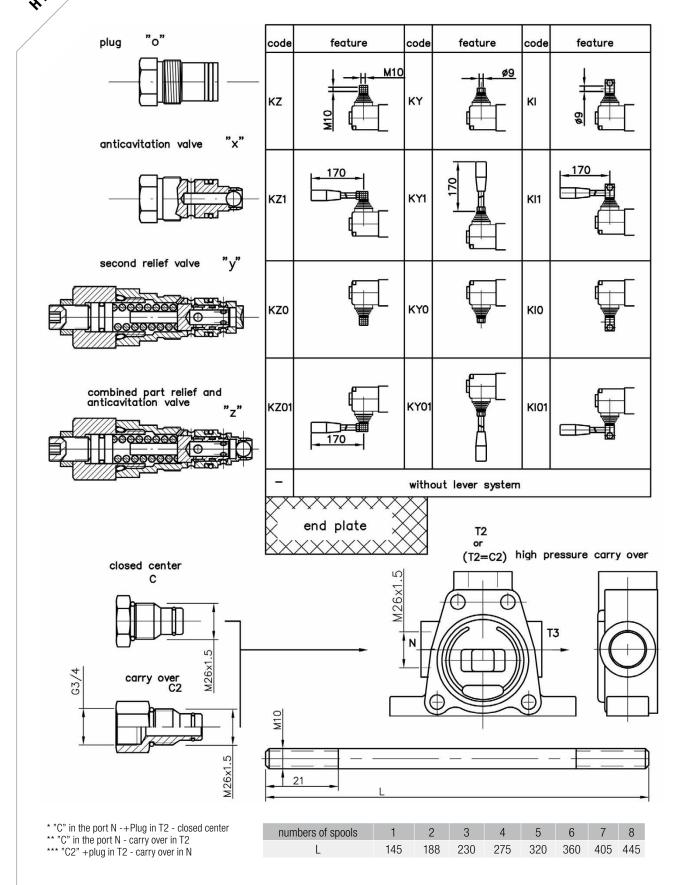
oA	οВ	plug for A and / or B (without mark)
хA	xВ	anti cavitation valve for A and /or B
уA	уВ	secondary pressure relief valve A and/ or B
zA	zB	shockabsorber valve for A and /or B





# JINCKE VIRAULGS

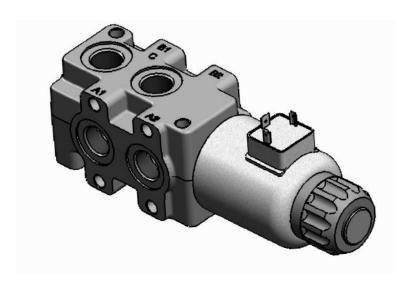
### PC100 SECTIONAL VALVES WITH DIRECTIONAL CONTROL







### **DVS6 SOLENOID DIRECTIONAL CONTROL VALVES**



### Technical parameters:

Nominal flow 50 l/min Max operating pressure, with/without L 315 / 210 bar 9 to NAS 1638 Filtration Hydraulic liquid Mineral base oil Viscosity 15-380 mm2/s Fluid temperature -20C to 70C -30C...+50C Ambient temperatura Supply voltaje, V 12DC/24DC Power, W 39:29 Switching frequency, 1/h 15 000 100% Duty cycle Modification/Sections up to 5

DESCRIPTION: DVS Selector valve has been designed to meet the demand of progressive machine manufacturers for versatile, cost effective, reliable circuit selector. The valve body is produced by cast iron EN-GJL300 alloy and it is machined using high precision, advanced, contemporary techniques. The advanced design of the valve spool ensures that fast spool switching can take place under any conditions without the use of a separate drain line.

CONSTRUCTION: DVS Selector valve stackable 6 port/2way change over valves are designed to be used when extra circuits are to be operated from one control lever on machines such as fork lift trucks, agricultural front end loader, telescopic handlers, and in transmission circuits.SVV can be stacked up to 3 valves allowing for the diverting of flow 2,3 or 4 directions depending on the combination chosen.

MOUNTING: The distributor is fixed with two bolts M8. DVS valve bank can be optionally equipped with housing, containing relief valve, on the outlet end of the valve, protecting the motor or cylinder operated by the B ports against excessive pressure.



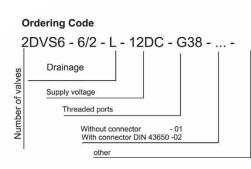






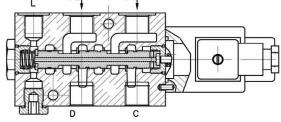
### **DVS6 SOLENOID DIRECTIONAL CONTROL VALVES**

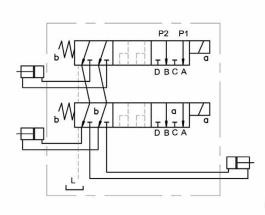


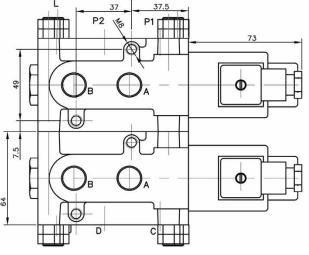


B <sub>1</sub>	
37 19 19 100.4 P2 P1	,

	supply voltage
code	Threaded connections
G38	P1, P2, A, B, C, D - G3/8; L = G1/4
430	F1, F2, A, D, C, D - 03/0 , L = 01/4
M18	P1, P2, A, B, C, D - M18x1.5; $L = M14x1.5$
SAE	P1, P2, A, B, C, D - SAE3/8 ; L = SAE4







30 Jac		<u> </u>	L 1_		
25		_   _	_  _	1	
20			L  _	//	Z,
15	$\perp$	<u> </u>	L 1/		4
10		-1-	//	1	
5					
1/	min 은	20	30	4	20

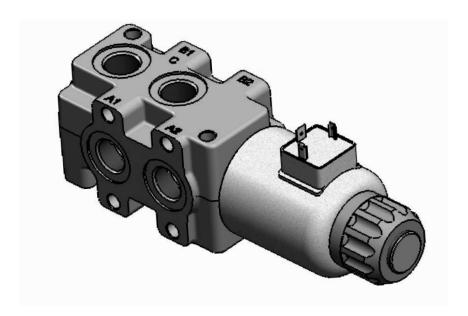
max P	with L	bar	315	supply voltage	V	12;24 DC
max P	without L	bar	210	power	W	36, 29
flow rate	max	I/min	50	switching frequency	1/h	15 000
oil temperature		°C	-20+70	ambient temperature		to 50°C
viscosi	ty	mm/s	15-380	coil temperature		to 180°C
filtration	NAS1638		9	duty cycle		100%







### SVV6 SOLENOID DIRECTIONAL CONTROL VALVES



### Technical parameters:

Nominal flow 90 l/min Max operating pressure, with/without L 280 bar

Filtration 18/14 acc. to ISO4406

Hydraulic liquid Mineral base oil
Viscosity 10-400 mm2/s
Fluid temperature -20C to 70C
Ambient temperatura -30C...+50C
Supply voltaje, V 12DC/24DC

Power, W 65
Switching frequency, 1/h 15 000
Duty cycle 100%
Modification/Sections up to 3

DESCRIPTION: SVV Selector valve has been designed to meet the demand of progressive machine manufacturers for versatile, cost effective, reliable circuit selector. The valve body is produced by cast iron EN-GJL300 alloy and it is machined using high precision, advanced, contemporary techniques. The advanced design of the valve spool ensures that fast spool switching can take place under any conditions without the use of a separate drain line.

CONSTRUCTION: SVV Selector valve stackable 6 port/2way change over valves are designed to be used when extra circuits are to be operated from one control lever on machines such as fork lift trucks, agricultural front end loader, telescopic handlers, and in transmission circuits.SVV can be stacked up to 3 valves allowing for the diverting of flow 2,3 or 4 directions depending on the combination chosen.

MOUNTING: The distributor is fixed with two bolts M8. SVV valve bank can be optionally equipped with housing, containing relief valve, on the outlet end of the valve, protecting the motor or cylinder operated by the B ports against excessive pressure.

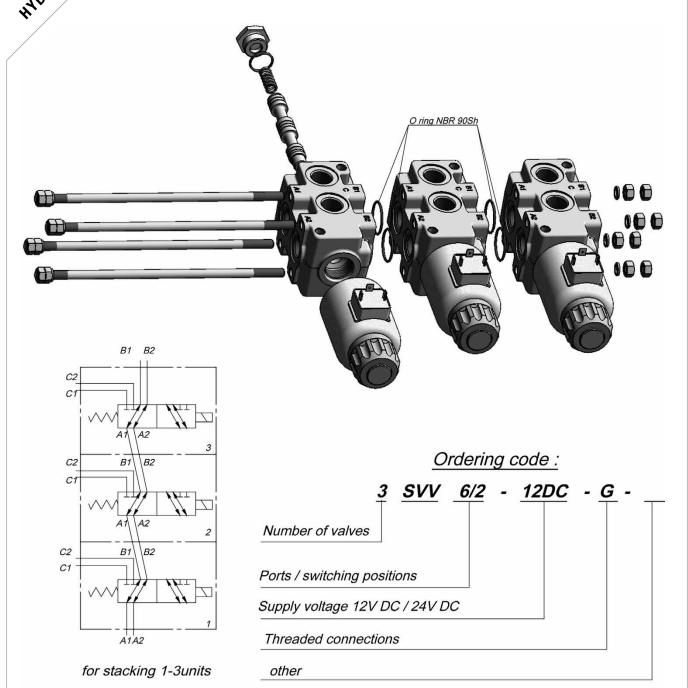






### JINCKE TRAULICS

### SVV6 SOLENOID DIRECTIONAL CONTROL VALVES



code	threaded connections
G	A1, A2, B1, B2, C1, C2 -G1/2
M	A1, A2, B1, B2, C1, C2 -M18x1.5
S	A1, A2, B1, B2, C1, C2 -SAE8

flow rate	I/min	90
Р	bar	250
oil temperature	°C	-20/+70
viscosity	mm2/s	15-380
filtration		9



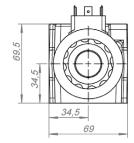


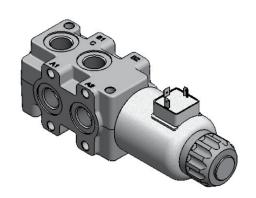


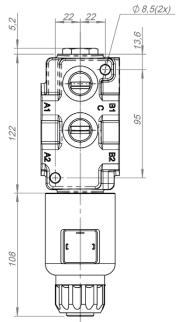
## JINCKE LINES

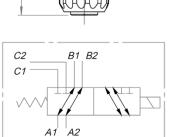
### DIRECTIONAL CONTROL VALVES

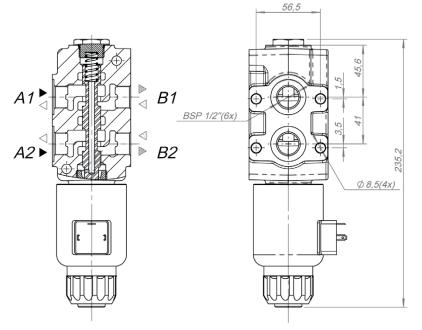
### SVV6 SOLENOID DIRECTIONAL CONTROL VALVES

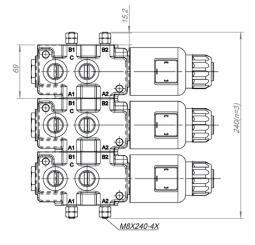












code	threaded connections
G	A1, A2, B1, B2, C1, C2 -G1/2
М	A1, A2, B1, B2, C1, C2 -M18x1.5
S	A1, A2, B1, B2, C1, C2 -SAE8

flow rate	I/min	90
Р	bar	250
oil temperature	°C	-20/+70
viscosity	mm2/s	15-380
filtration		9







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