



406 · 1406
CONTROL VALVES

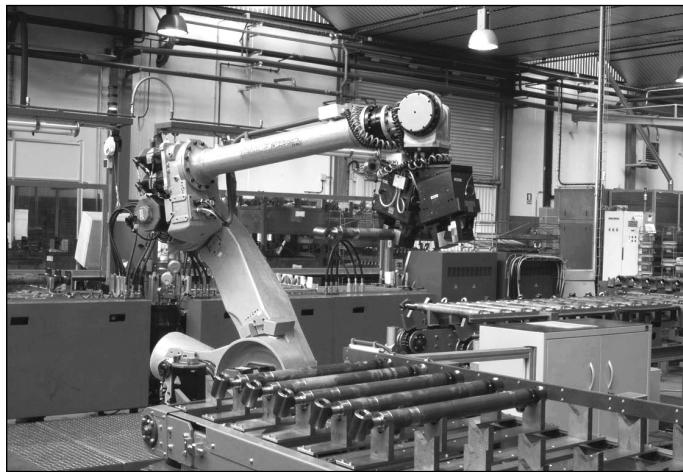
Roquet
making moves

HISTORY Over fifty years experience in fluid power. Supplier to international manufacturers of agricultural, construction, mining, mechanical handling, machine-tool and food machinery. Main supplier to the Spanish market with rapidly increasing presence in European and world markets.

TECHNOLOGY Roquet has a large design and development department with substantial fatigue, noise, corrosion-resistance, cleanliness and testing facilities, backed by a well-equipped metallurgical laboratory.

RELIABILITY A broad range of robust products: designed to perform, built to last. All products ranges life-tested under realistic conditions during development to ensure their suitability for use in applications such as tractors, fork-lift trucks, loaders, excavators, cranes, dumpers, dock-levellers... Each and every product tested to a stringent test specification prior to shipment.

CAPABILITY 400 well trained employees. Four factories with a total floor area of 30.000m². Current production 180.000 pumps, 300.000 control valve bodies, 500.000 cylinders and 30.000 power packs per year. Distribution network in over 35 countries.



This range of directional control valves is primarily intended for applications such as construction, material handling and agricultural machinery etc.
The valves are actuated by hand-levers, pneumatic operated, cable operated, etc.
Auxiliary valves can be fitted in each port.

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This Catalogue shows the product in the most standard configuration; customized or special designs are also available, please contact to PEDRO ROQUET S.A. The specifications and data in this catalogue are not open to any interpretation, please contact with PEDRO ROQUET S.A. in case of doubt.

PEDRO ROQUET S.A. reserves the right to modify, update or revise this catalogue without prior notice.

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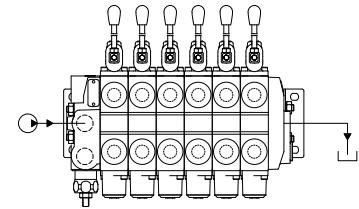
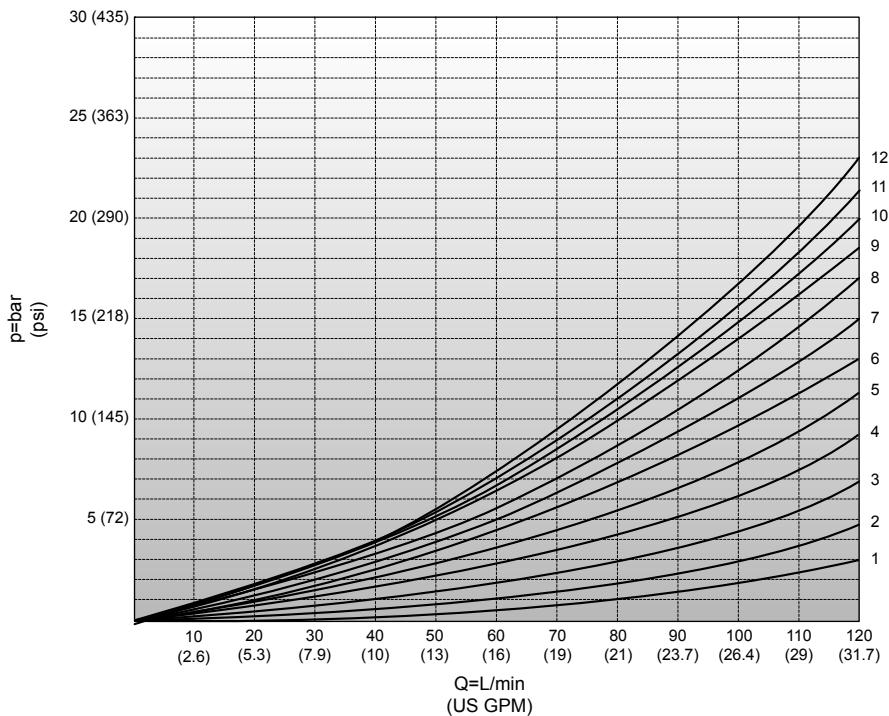
406


Technical data

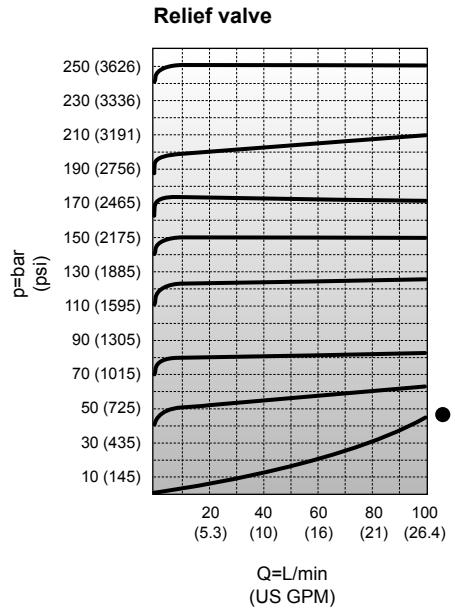
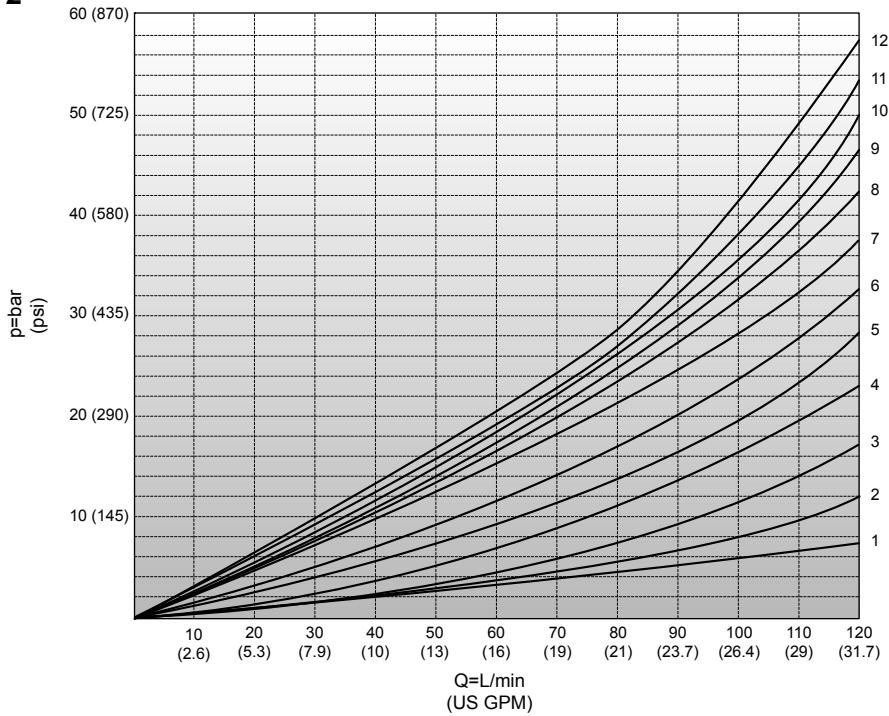
CONTROL VALVES TYPE	406	1406
Ports A and B	1/2" G.	3/4" G.
Ports P and T		3/4" G.
Maximum spool quantity	12	
Spool diameter (mm)		18
Spool stroke (mm)		7
Type		Parallel
Nominal flow		100 (l/min.) / 26 (US GPM)
Working max. pressure		350 bar / 5075 psi
Return max. pressure T port	Static spool	80 bar / 1160 psi
	During spool positioning	20 bar / 290 psi
Spool force		18 Kg / 40 Lb
Fluid to be used		ISO 6742 mineral-oil-based hydraulic fluid
Temperature range (NBR)		-20°C...+80°C (-4° F...+176° F)
Viscosity range		ISO 3448 CAT. VG22-VG68
Recommended fluid cleanliness		16/13 s./ ISO 4406 6 NAS 10

Diagrams

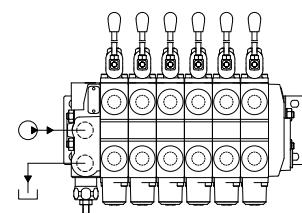
P→T



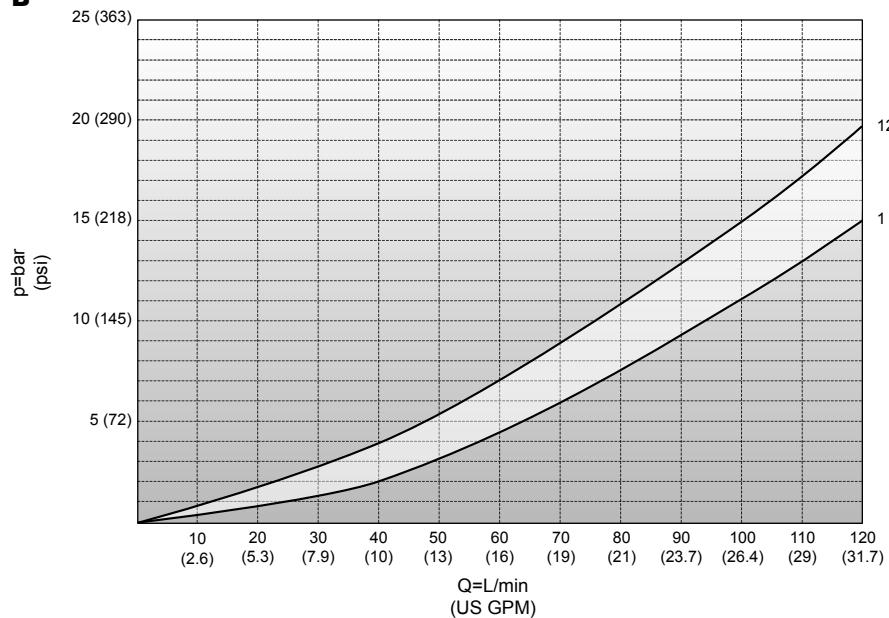
P→T2



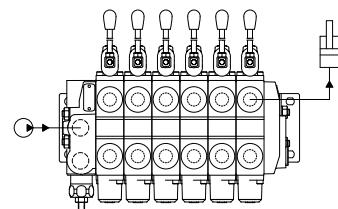
● Minimal pressure curve



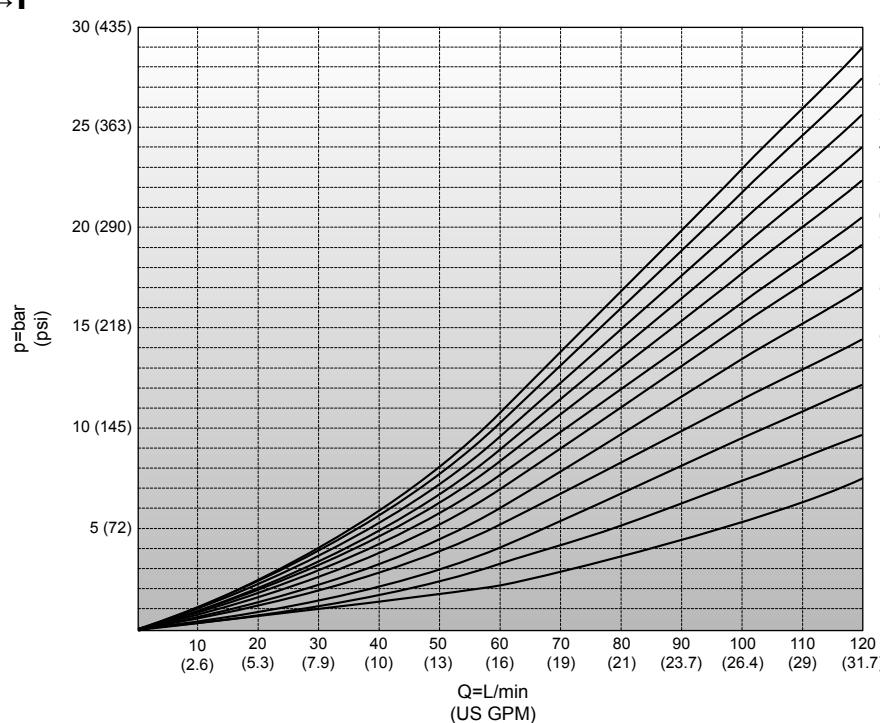
P→A or B



From 1 to 12 elements



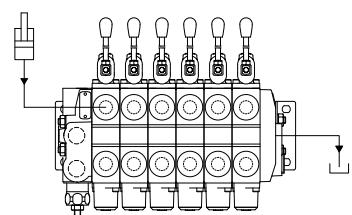
A or B→T

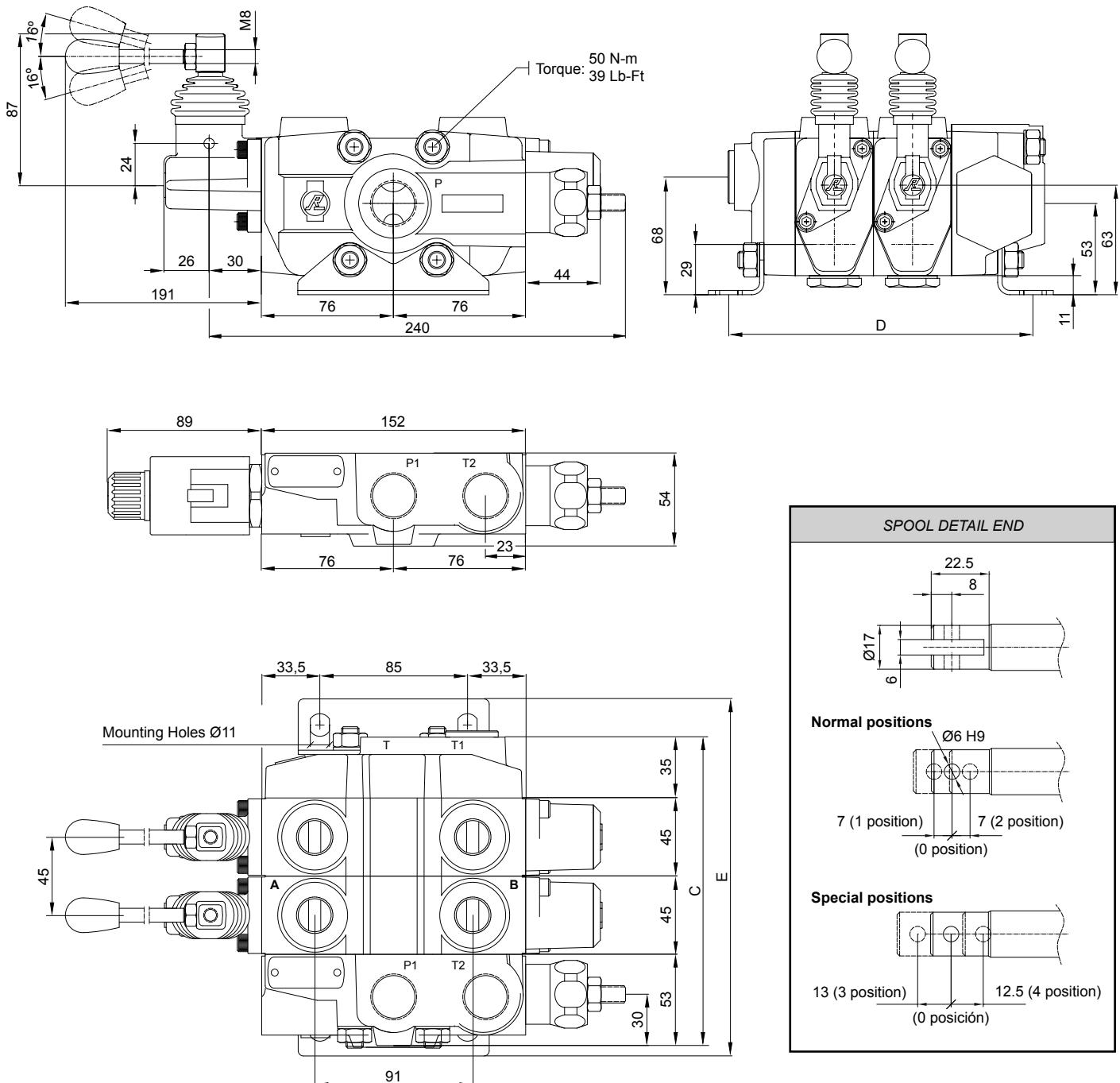


Final section

1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
6 5 4 3 2 1
7 6 5 4 3 2 1
8 7 6 5 4 3 2 1
9 8 7 6 5 4 3 2 1
10 9 8 7 6 5 4 3 2 1
11 10 9 8 7 6 5 4 3 2 1
12 11 10 9 8 7 6 5 4 3 2 1

First section





NOTE:

Port A is always next to operator side even if the section is assembled with levers on the other side.

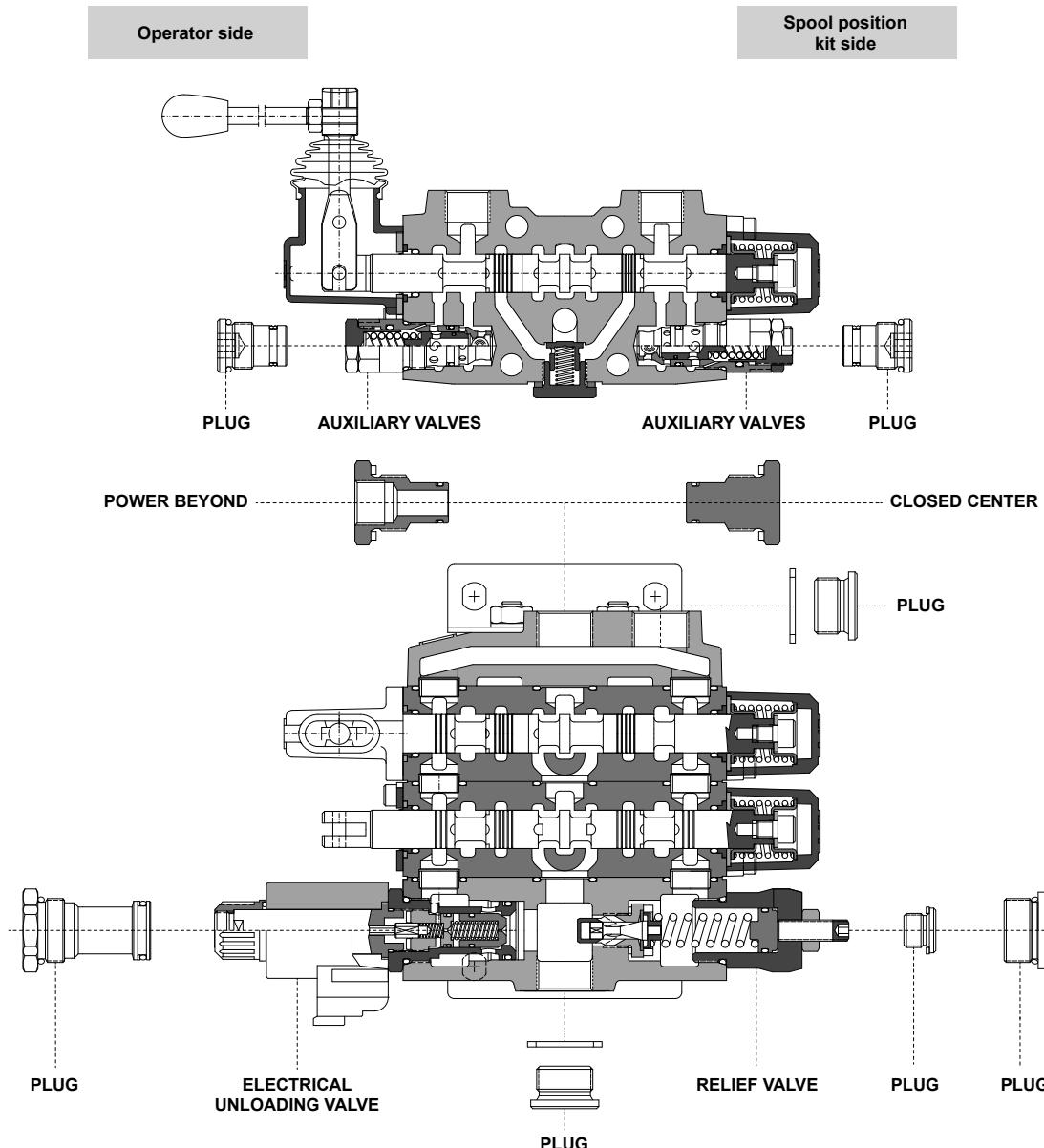
Spool count	1	2	3	4	5	6	7	8	9	10	11	12
C (mm)	128	173	218	263	308	353	398	443	488	533	578	623
D (mm)	129	174	219	264	309	354	399	444	489	534	579	624
E (mm)	159	204	249	294	339	384	429	474	519	564	609	654
Weight in kg	8	12,5	17	21,5	26	30,5	35	39,5	44	48,5	53	57,5
Weight in Lb	17,7	27,6	37,5	47,4	57,3	67,2	77,1	87	96,9	106,8	116,7	126,6

P-P1	Pressure ports
A-B	Work ports

FREE FLOW	
T-T1-T2	All are tank ports

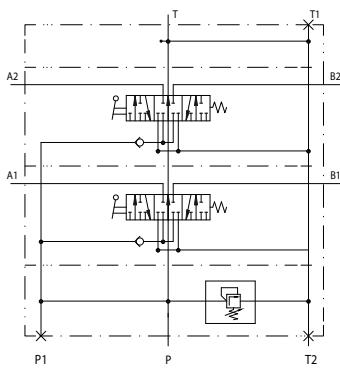
POWER BEYOND	
T	Power
T1-T2	Tank port

CLOSED CENTER	
T	Closed
T1-T2	Tank port

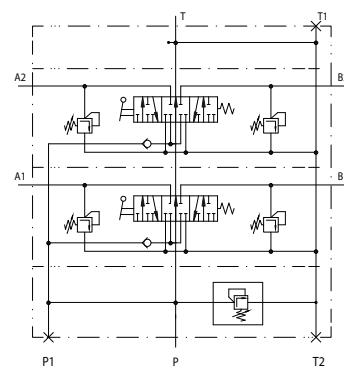


Hydraulic circuit

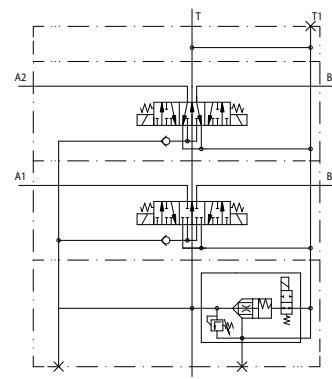
Hydraulic scheme with main relief valve.

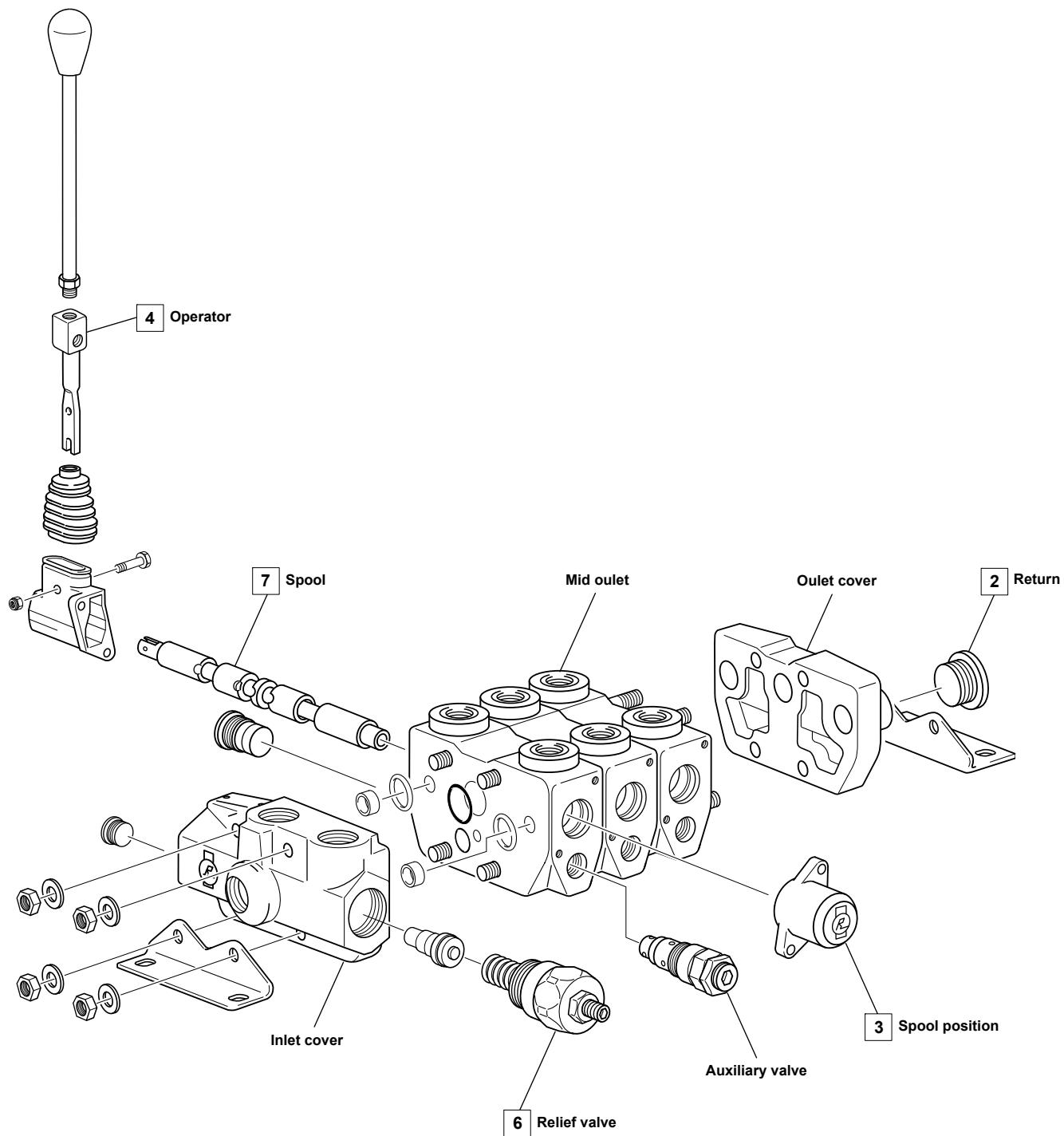


Hydraulic scheme with main relief valve and auxiliary valves.

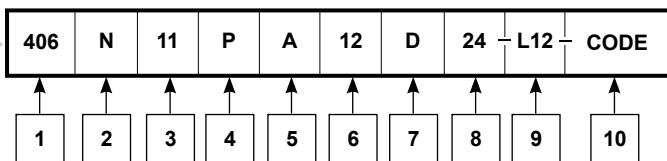


Hydraulic scheme with main relief valve and unloading valve.





OPERATING SECTIONS

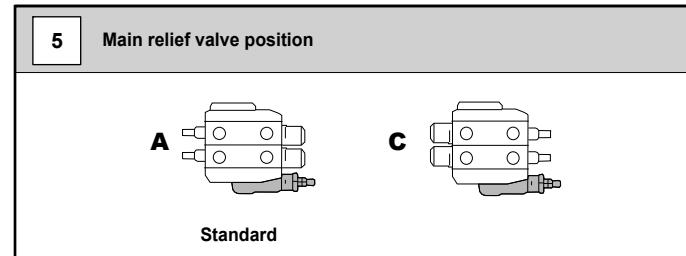


1	Control valve type
406	Port A - B 1/2" G.
1406	Port A - B 3/4" G.

2	Return configuration
N	Open center both valves.
Z	Power beyond both valves.
C	Closed center both valves.

3	Spool position kits
2	Three positions with detent.
7	Two positions with detent, third position return by spring.
9	Two ends positions with detent.
11	Three positions return to neutral by spring.
14	Two positions, neutral and end position by detent, action pushing spool.
20	Four positions three return by spring the fourth detented, pulling spool.
22	Three positions pneumatic pilot (see more inf. page 25).
24	Two positions, neutral and end position by detent, action pulling spool.
29	Three positions. Central by spring and two end positions with detent.
35	Three positions. Rotative device with detent in neutral position.
36	One end position and neutral position with detents, action pushing spool; and other end position by spring, action pulling spool.
71	Three positions hydraulic piloted (see more inf. page 24).
74	One end position with detent, action pulling spool; Neutral and other end position by spring, action pushing spool.
75	One end position with detent, action pushing spool; Neutral and other end position by spring, action pulling spool.
83	Direct solenoid operated, three positions spring centered (see more inf. page 21, 22).
84	Direct solenoid operated, two positions (center + one end). Solenoid side port A. (see more inf. page 21, 22).

4	Operators
X	Mechanical joystick or special options.
Y	Hydraulic pilot (see more inf. page 24).
P2	Lever box with lever and rubber boot.
D2	Lever box with rubber boot, inverted 180°.
Z2	Lever box with rubber boot and without lever.
PI	Extension lever box with rubber boot inverted 180°.
T	Spool end cap.
S	Open spool end (no lever box).
I	Cable control.
E	Electrical control with DEUTSCH connector without diode, only for 83, 84 spool position kit.
ME	Emergency operator with DEUTSCH connector without diode, only for 83, 84 spool position kit.
L	Electrical control with HIRSCHMANN connector without diode, only for 83,84 spool position kit.
ML	Emergency operator with HIRSCHMANN connector without diode, only for 83,84 spool position kit.
R	Rotative operator.



6	Auxiliary valve pressure range (pressure set at 22l/min.)		
	Adjustment		Pressure range bar
	Adjustable	Tamper-proof	Pressure range psi
11	41	5-80 (80)	70-1100 (1100)
12	42	85-175 (160)	1200-2500 (2200)
13	43	180-250 (200)	2600-3600 (2900)
14	44	255-350 (315)	3700-5000 (4600)
	00	Without cavity for valve.	

7	Spool types
D	3 position, 4-way, double acting, A and B ports blocked in 0 position.
I	3 position, 4-way, double acting, A and B ports open to tank in 0 position.
U	3 position, 4-way, double acting, A and B ports restricted to tank in 0 position.
S	3 position, 3-way, single acting, A port blocked in position 0, B port plugged.
V	3 position, 3-way, single acting, B port blocked in position 0, A port plugged.
L	4 position, 4-way, double acting, A and B port blocked in position 0, 4th position float.

8	D.C. VOLTAGE (Only for spool position kits 83, 84)	
12	12 V	
24	24 V	

9	With electrical unloading valve
E12	DEUTSCH connector 12 V.
E24	DEUTSCH connector 24 V.
L12	HIRSCHMANN connector 12 V.
L24	HIRSCHMANN connector 24 V.
L0	Plug.
HP	Hydraulic piloted.

10	CODE
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INLET SECTION

406 / CV - 11 - 24 - S - CODE

Control valve type
406

Code

Front cover type

CV	Front cover with relief valve.
SV	Front cover without relief valve.

Operative pressure port

S	Side port (P1 plugged).
T	Top port (P plugged).

Main relief valve pressure range standard (pressure set at 22l/min)					
Adjustment		Pressure range bar	Pressure range psi		
Adjustable	Tamper-proof		5-80 (80)	70-1100 (1100)	
11	41		85-175 (160)	1200-2500 (2200)	
12	42		180-250 (200)	2600-3600 (2900)	
13	43		255-350 (315)	3700-5000 (4600)	
14	44		Without main relief valve (for SV front cover type)		
00					

With electrical unloading valve

E12	DEUTSCH connector 12 V.
E24	DEUTSCH connector 24 V.
L12	HIRSCHMANN connector 12 V.
L24	HIRSCHMANN connector 24 V.
L0	Plug.
HP	Hydraulic piloted.
00	Without cavity for unloading valve.

OUTLET SECTION

406 / CF - N - S - CODE

Control valve type
406

Code

Outlet

CF	Outlet cover.
----	---------------

Operative tank port

S	Side port (T1 plugged).
A	Turn around port (T plugged).

Return configuration

N	Open center.
Z	Power beyond.
C	Closed center.

MID-OUTLET SECTION

406 / CIA - N - S - CODE

Control valve type
406

Code

Control valve type

CIA	Side port in A side.
CIB	Side port in B side.

Operative tank port

S	Side port (T plugged).
A	Turn around port (T and T1 plugged).
T	Top port (T1 plugged).
00	For closed center or power beyond.

Return configuration

N	Open center both valves.
Z	Power beyond both valves.
C	Closed center both valves.
K	Closed center-Open center.

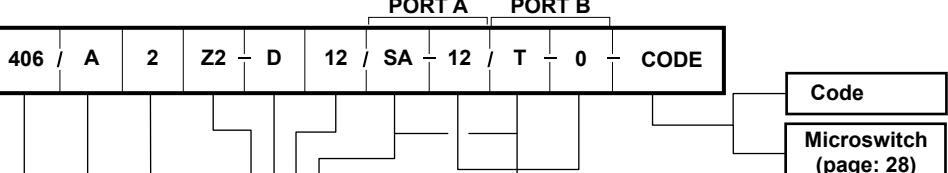
NOTE 1:

CIA and CIB its the same components, just rotated 180° when is assembled a complete control valve.

NOTE 2:

406 and 1406 control valves; inlet, outlet and mid-outlet sections are the same

OPERATING SECTIONS



Code

Microswitch
(page: 28)

Auxiliary valve pressure range (pressure set at 22l/min.)

Adjustment		Pressure range bar	Pressure range psi
Adjustable	Tamper-proof		
11	41	5-80 (80)	70-1100 (1100)
12	42	85-175 (160)	1200-2500 (2200)
13	43	180-250 (200)	2600-3600 (2900)
14	44	255-350 (315)	3700-5000 (4600)
0		Without valve.	

Control valve type

406 - 1406

Main relief valve position



Standard

Auxiliary valves

VA Port relief and anticavitation valve.

SA Port relief valve.

A Anticavitation.

T Plug.

0 Section without cavity for valves.

D.C. VOLTAGE (Only for spool position kits 83, 84)

12 12 V

24 24 V

00 When spool position kit is different to 83 or 84.

Spool position kits

02	Three positions with detent.
07	Two positions with detent, third position return by spring.
09	Two ends positions with detent.
11	Three positions return to neutral by spring.
14	Two positions, neutral and end position by detent, action pushing spool.
20	Four positions three return by spring the fourth detented, pulling spool.
22	Three positions pneumatic pilot (see more inf. page 25).
24	Two positions, neutral and end position by detent, action pulling spool.
29	Three positions. Central by spring and two end positions with detent.
35	Three positions. Rotative device with detent in neutral position.
36	One end position and neutral position with detents, action pushing spool; and other end position by spring, action pulling spool.
71	Three positions hydraulic piloted (see more inf. page 24).
74	One end position with detent, action pulling spool; Neutral and other end position by spring, action pushing spool.
75	One end position with detent, action pushing spool; Neutral and other end position by spring, action pulling spool.
83	Direct solenoid operated, three positions spring centered (see more inf. page 21, 22).
84	Direct solenoid operated, two positions (center + one end). Solenoid side port A. (see more inf. page 21, 22).

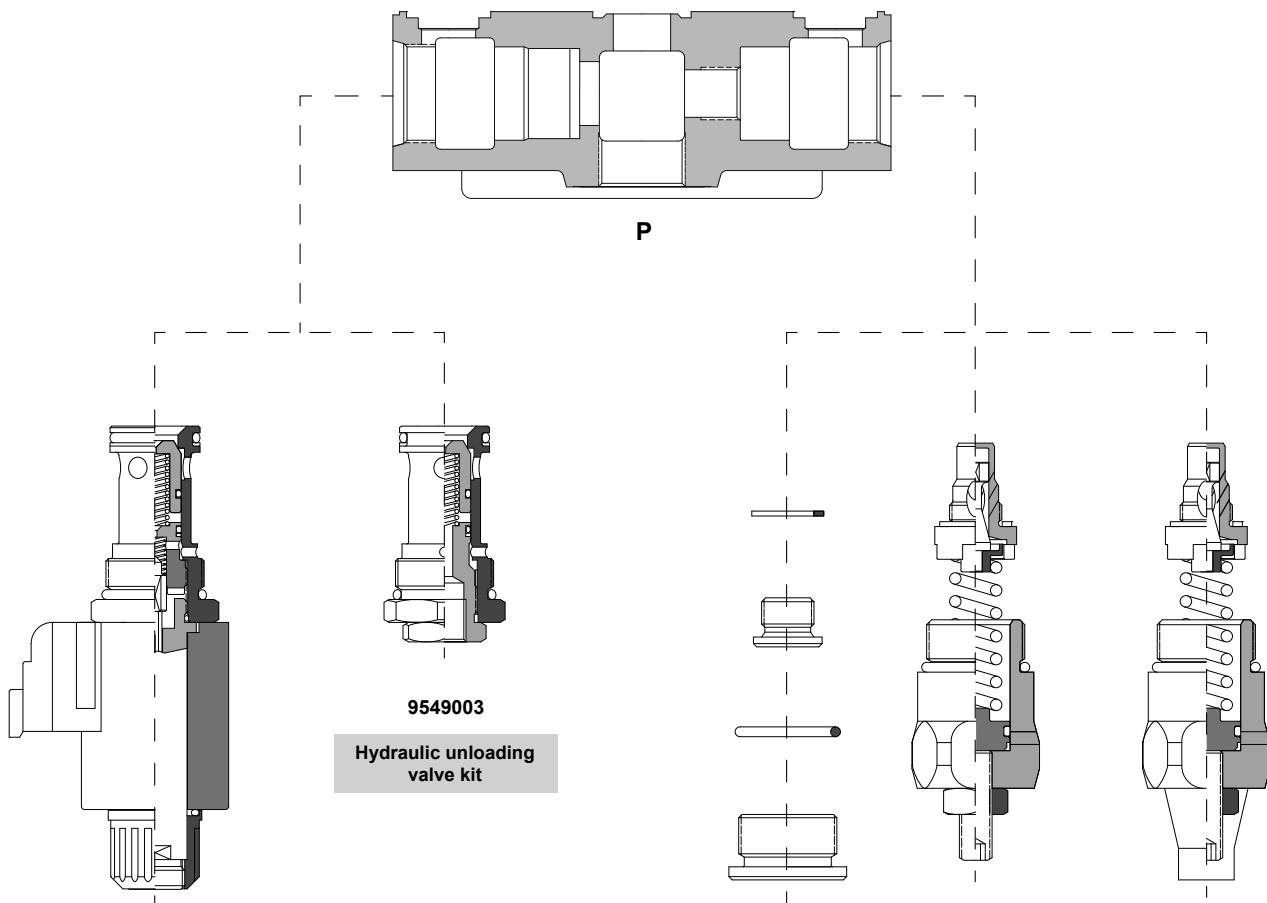
Spool types

D	3 position, 4-way, double acting, A and B ports blocked in 0 position.
I	3 position, 4-way, double acting, A and B ports open to tank in 0 position.
U	3 position, 4-way, double acting, A and B ports restricted to tank in 0 position.
S	3 position, 3-way, single acting, A port blocked in position 0, B port plugged.
V	3 position, 3-way, single acting, B port blocked in position 0, A port plugged.
L	4 position, 4-way, double acting, A and B port blocked in position 0, 4th position float.

Operators

X	Mechanical joystick or special options.
Y	Hydraulic pilot (see more inf. page 24).
P2	Lever box with lever and rubber boot.
D2	Lever box with rubber boot, inverted 180°.
Z2	Lever box with rubber boot and without lever.
PI	Extension lever box with rubber boot inverted 180°.
T	Spool end cap.
S	Open spool end (no lever box).
I	Cable control.
E	Electrical control with DEUTSCH connector without diode, only for 83, 84 spool position kit.
ME	Emergency operator with DEUTSCH connector without diode, only for 83, 84 spool position kit.
L	Electrical control with HIRSCHMANN connector without diode, only for 83, 84 spool position kit.
ML	Emergency operator with HIRSCHMANN connector without diode, only for 83, 84 spool position kit.
R	Rotative operator.

Main relief valve and unloading valve

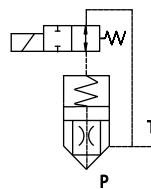
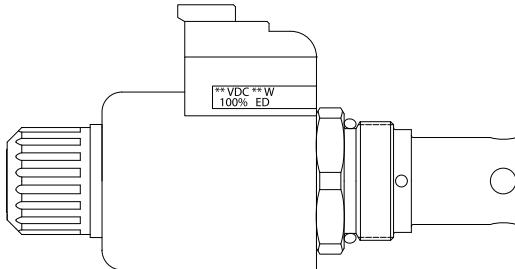


Main relief valve (pressure set at 22l/min)

Pressure range	Adjustable	Tamper-proof	Tamper-proof P.N.	Hat P.N.	Spring P.N.
5-80 (80) bar	70-1100 (1100) psi	11	41	2788/27	5050/1A
85-175 (160) bar	1200-2500 (2200) psi	12	42		5050/2A
180-250 (200) bar	2600-3600 (2900) psi	13	43		
255-350 (315) bar	3700-5000 (4600) psi	14	44		5050/3A

Unloading valve

ELECTRIC



Part number

9550*3/*-*

Connector type

0	HIRSHMANN
2	DEUTSCH

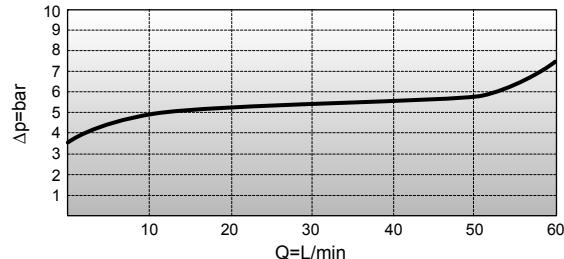
Power (W)

30 30 W

Voltage (DC)

D12	12 V
D24	24 V

Unloading electric valve

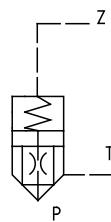
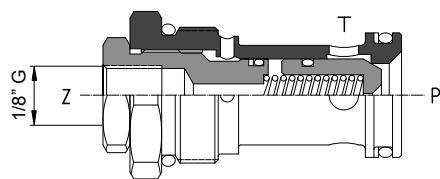


Technical data

Opening pressure	4-5 bar / 58-72 psi
Nominal flow	80 L./min. / 21 (US GPM)
Max. work pressure	350 bar / 5075 psi
Max. return pressure	- bar
Min. pressure form P to T	6 bar / 87 psi
Viscosity range	ISO 3448 cat. VG32-VG46
Hydraulic fluid temperature range	-20°C a +80°C / -4°F a +176°F
Control voltage	DC 12V - 24V
Duty cycle	100%
Protection DIN 40050	DEUTSCH IP-67 HIRSCHMANN IP-65

HYDRAULIC

Part number 9549003



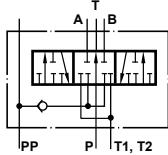
Technical data

Opening pressure	4-5 bar / 58-72 psi
Nominal flow	80 L./min. / 21 (US GPM)
Max. work pressure	350 bar / 5075 psi
Max. return pressure	80 bar / 1160 psi
Min. pressure form P to T	6 bar / 87 psi
Viscosity range	ISO 3448 cat. VG22-VG68
Hydraulic fluid temperature range	-20°C...+80°C / -4°F...+176°F

Spool position kits

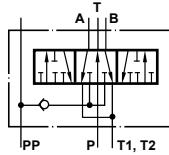
D

3 position, 4-way, double acting, A and B ports blocked in 0 position.



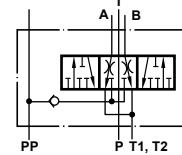
I

3 position, 4-way, double acting, A and B ports open to tank in 0 position.



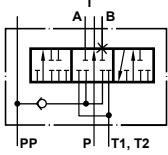
U

3 position, 4-way, double acting, A and B ports restricted to tank in 0 position.



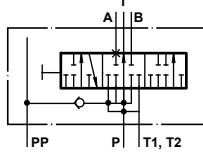
S

3 position, 3-way, single acting, A port blocked in position 0, B port plugged.



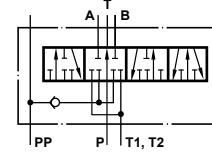
V

3 position, 3-way, single acting, B port blocked in position 0, A port plugged.



L

4 position, 4-way, double acting, A and B port blocked in position 0, 4th position float.

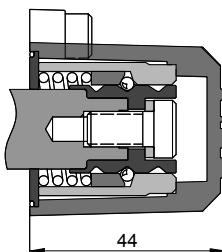
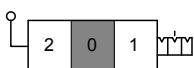


Spool position kits

2

P.N. M6412/800/271

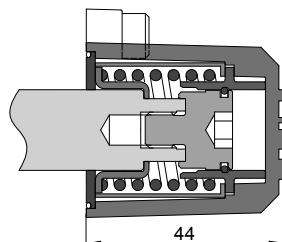
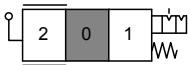
Three positions with detent.



7

P.N. M6412/800/273

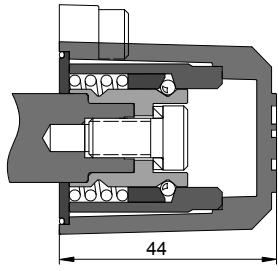
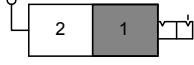
Two positions with detent, third position return by spring.



9

P.N. M6412/800/400

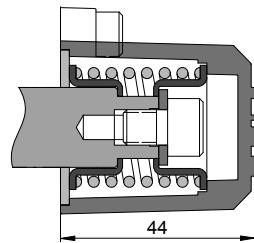
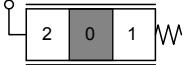
Two ends positions with detent.



11

M6412/800/842

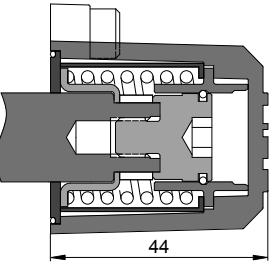
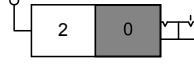
Three positions return to neutral by spring.



14

P.N. M6412/884

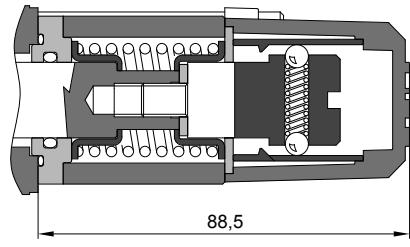
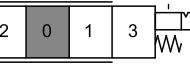
Two positions, neutral and end position by detent, action pushing spool.



20

P.N. M6412/476

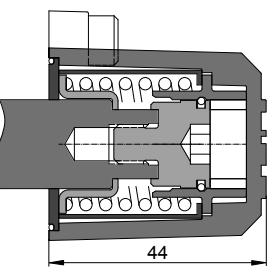
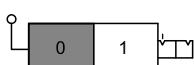
Four positions three return by spring the fourth detented pulling spool.



24

M6412/885

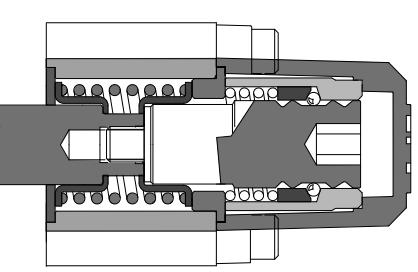
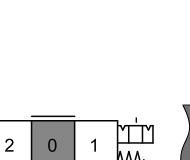
Two positions, neutral and end position by detent, action pulling spool.



29

P.N. M6412/800/806

Three positions. Central by spring and two end positions with detent.

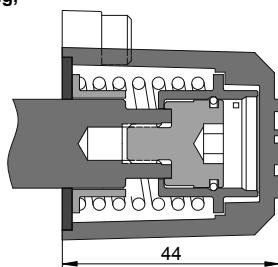
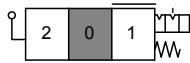


Spool position kits

36

P.N. M6412/800/550

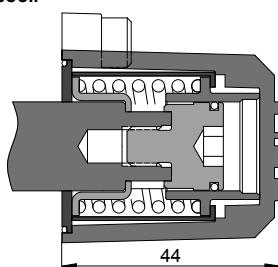
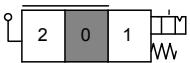
One end position and neutral position with detents, action pushing spool; and other end position by spring, action pulling spool.



74

P.N. M6412/882

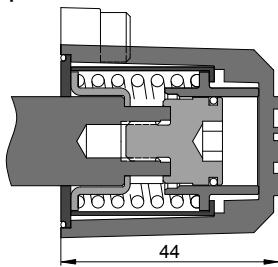
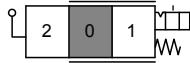
One end position with detent, action pulling spool; Neutral and other end position by spring, action pushing spool.



75

P.N. M6412/883

One end position with detent, action pushing spool; Neutral and other end position by spring, action pulling spool.



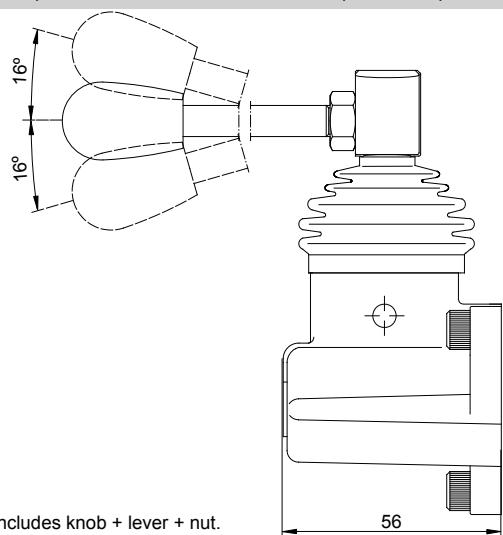
Operators

Lever box with lever

P.N. 8412267

P2

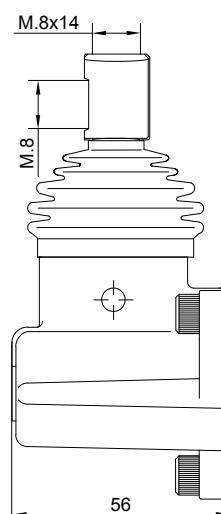
D2 is the same operator rotated 180° but does not allow port valves options



NOTE: Only includes knob + lever + nut.

Lever box without lever
(Standard)

Z2

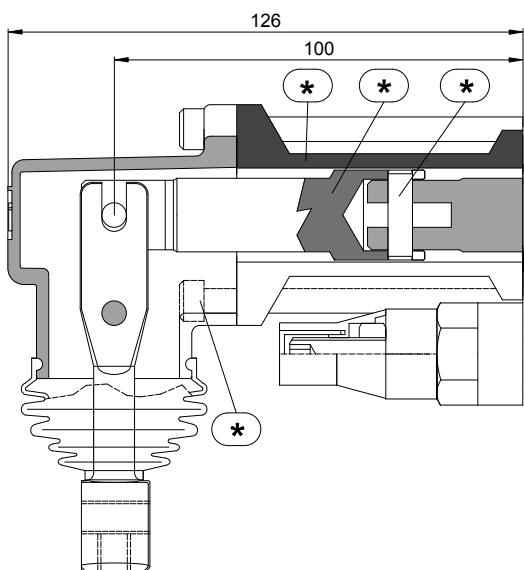


Operators

Extension lever box with rubber boot rotated 180°

P.N. M6412/800/839

PI

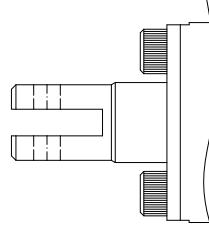


NOTE:

Only includes pieces with mark *

Open spool end (no lever box) P.N. M6412/800/408

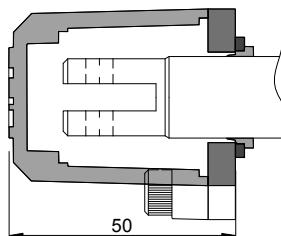
S



Spool end cap

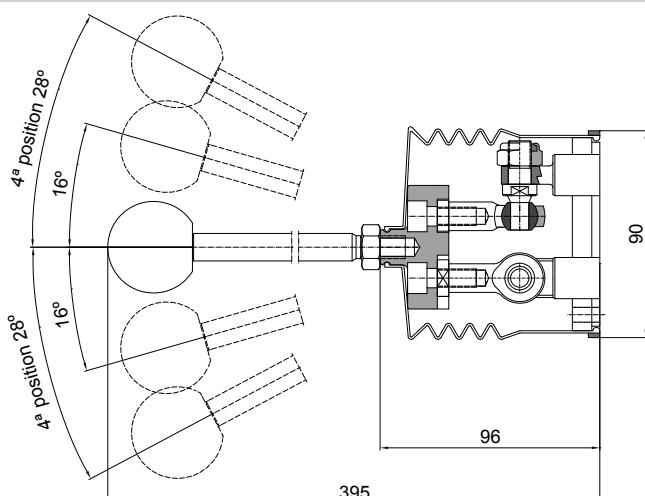
P.N. M6412/800/409

T



Mechanical joystick
(Assembled in complete section)

X

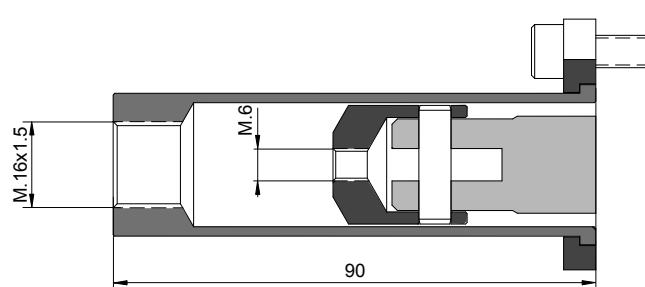


NOTE: 16° degree at all directions.

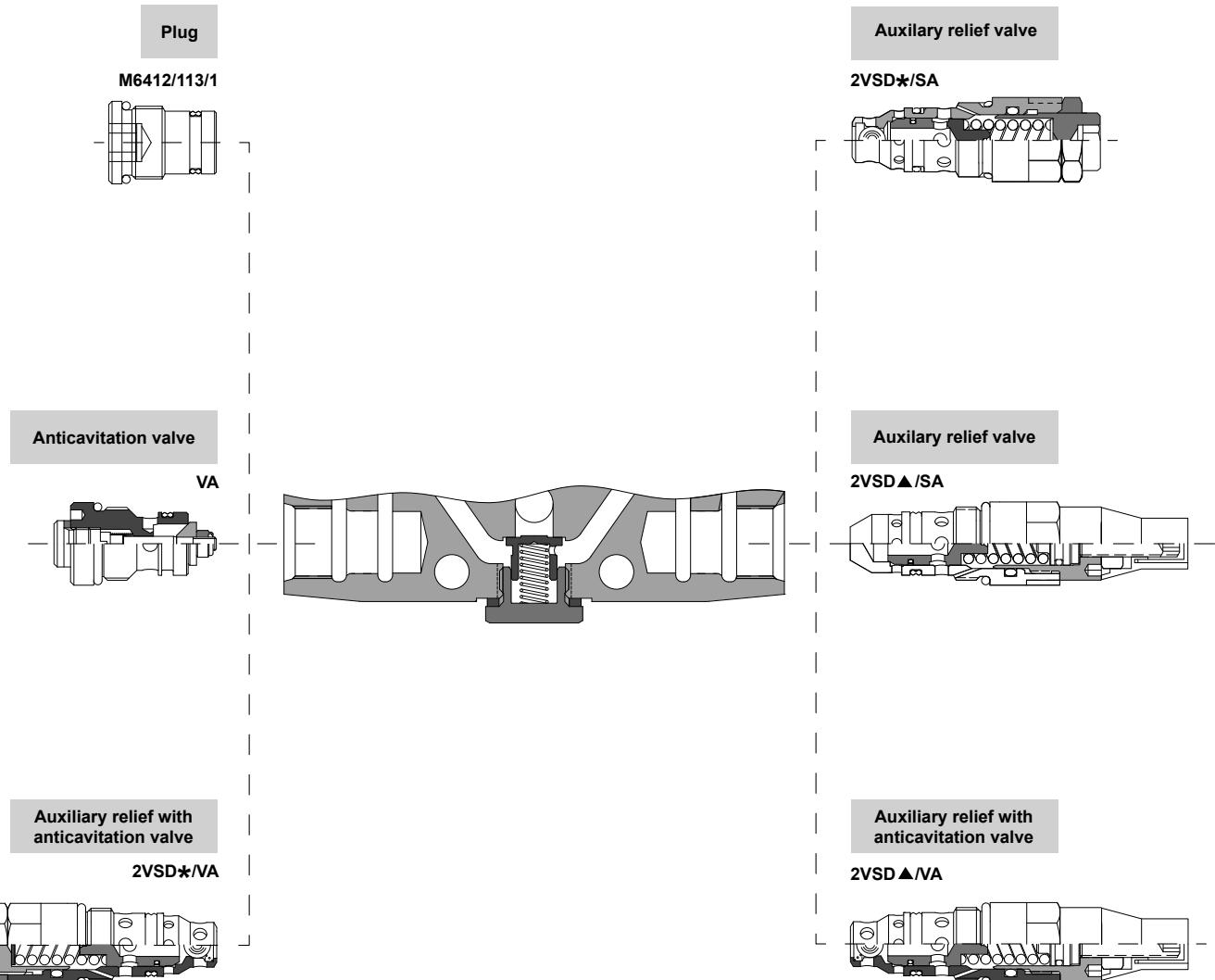
Cable control

P.N. M6412/800/407

I



Auxiliary valves

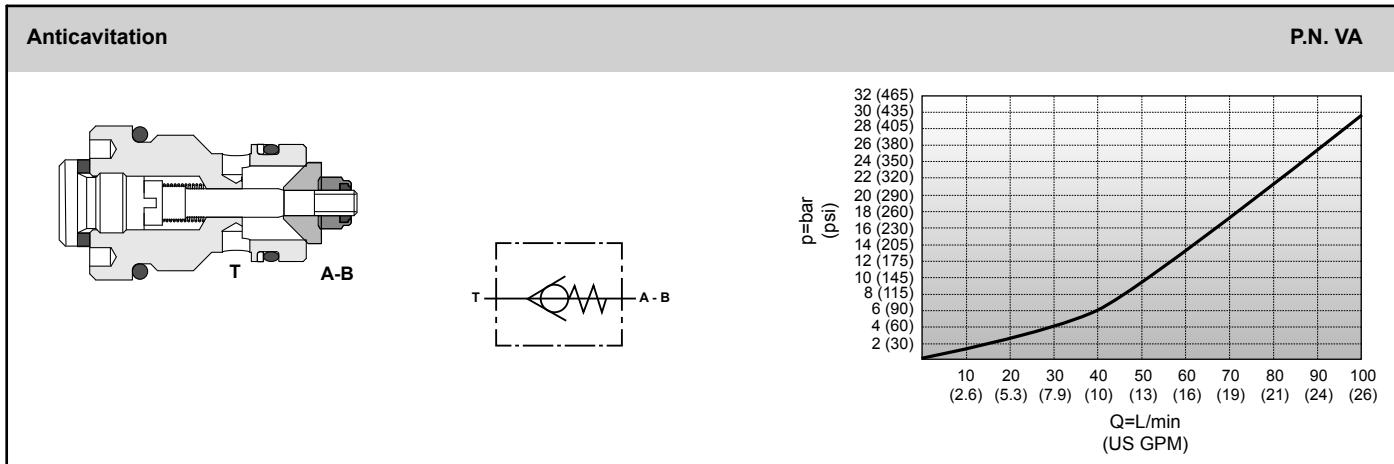
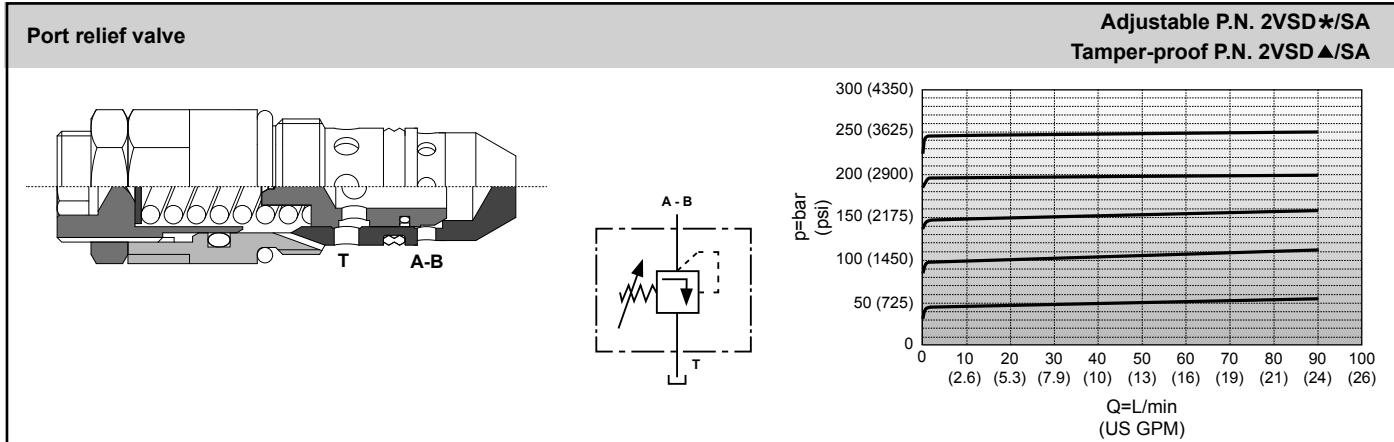
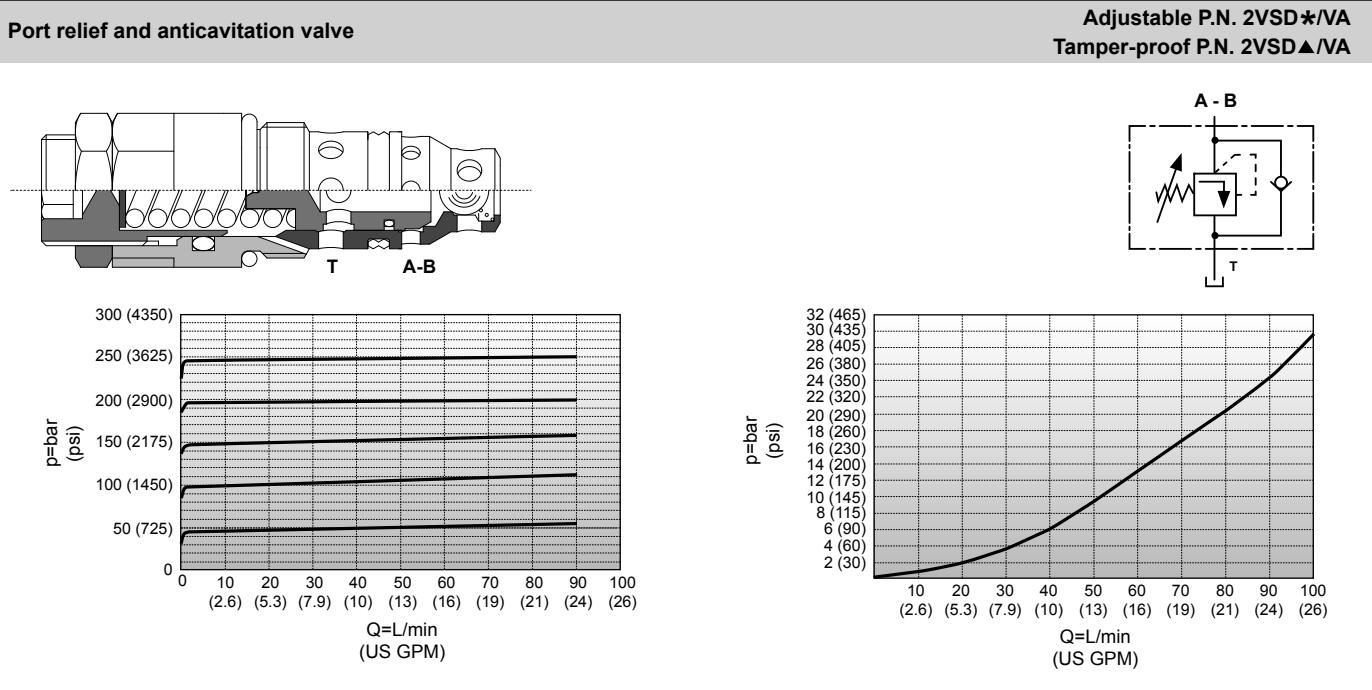


Port relief pressure setting (pressure set at 12l. min)

Adjustable *	Tamper-proof ▲	Pressure ranges	
11	41	5-80 (80) bar	70-1100 (1100) psi
12	42	85-175 (160) bar	1200-2500 (2200) psi
13	43	190-250 (200) bar	2600-3600 (2900) psi
14	44	255-350 (315) bar	3700-5000 (4600) psi

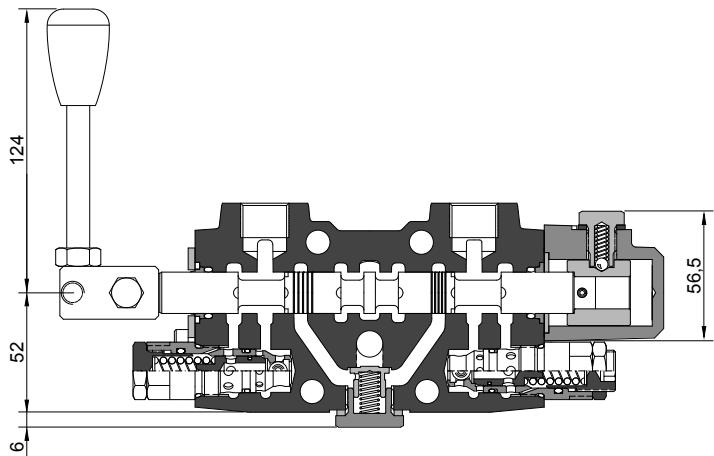
Replaced *and ▲ for the setting pressure (see table).

Auxiliary valves



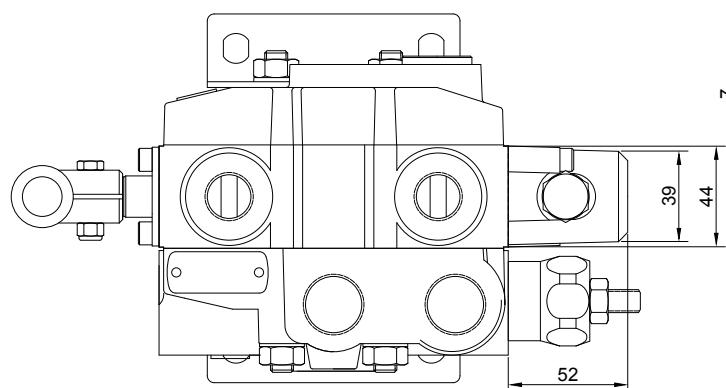
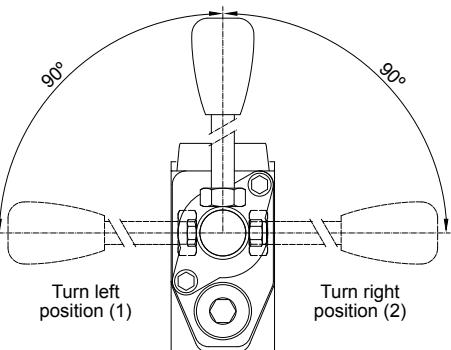
Rotative operator

Operator (R)



Spool position
kit (35)

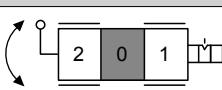
Neutral position (0)



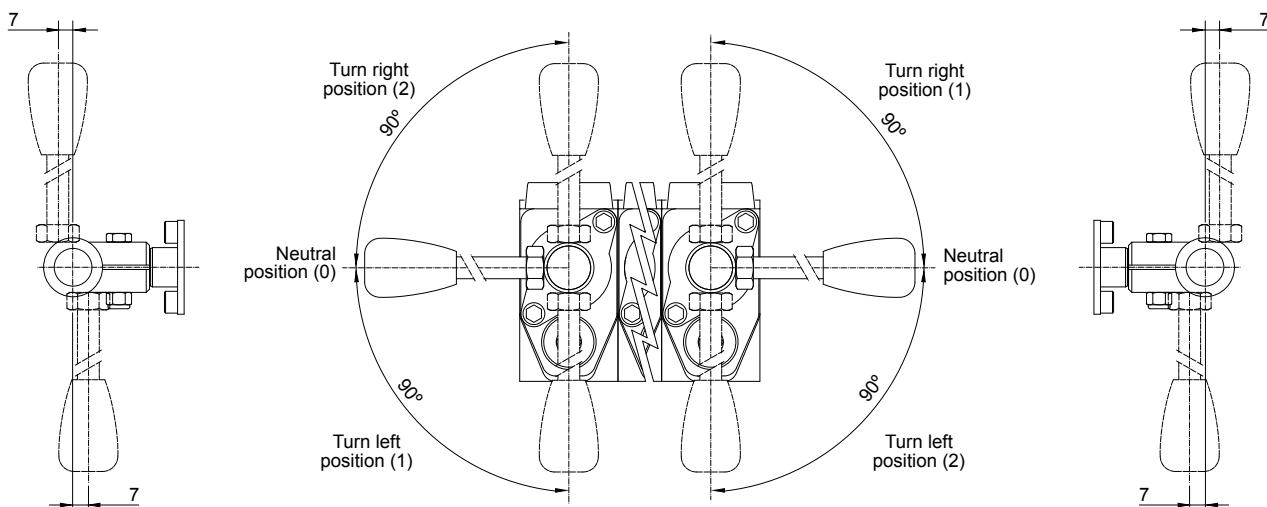
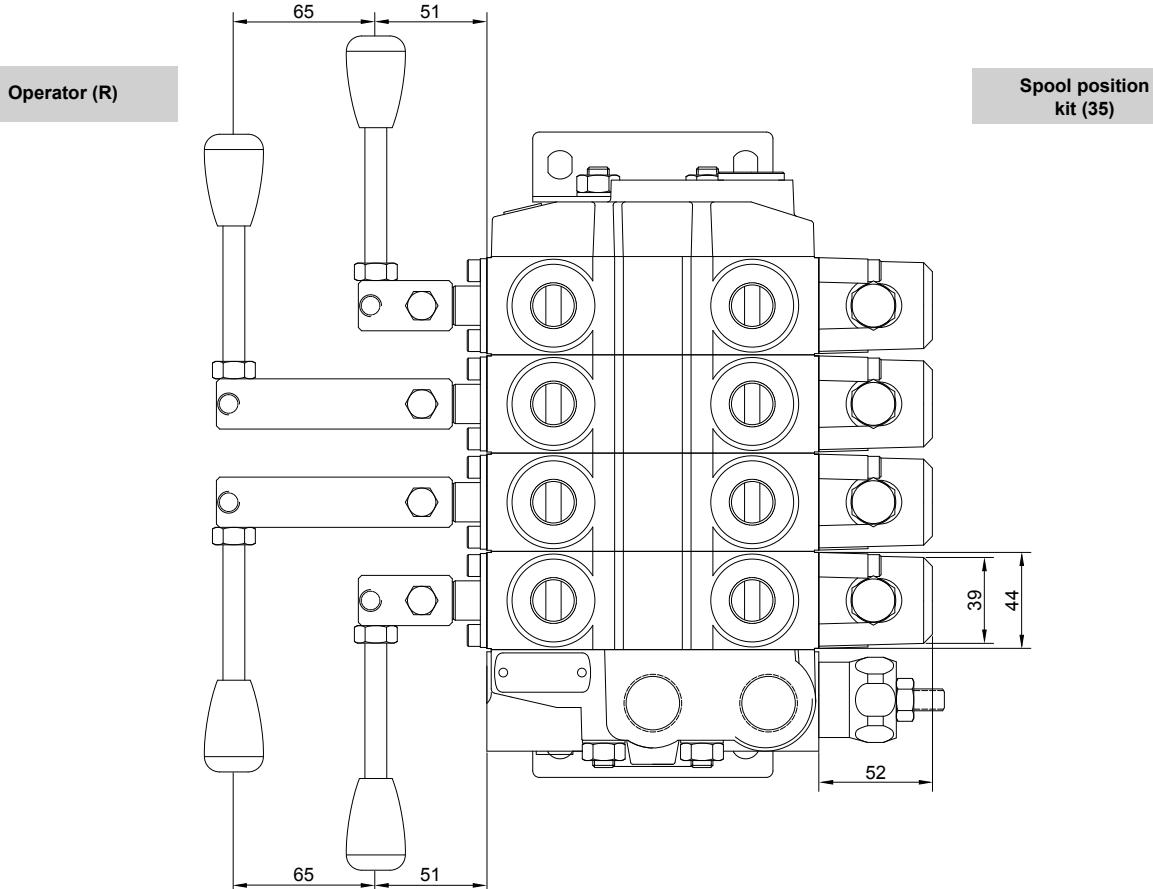
NOTE: Rotative pilot normally use a stainless steel spool.

Spool position type 35 and operator type R standard

P.N. 6412942001

Operator	Spool position Kit	Function	Description
R	35		Rotary device with detent in neutral position.

Multiple rotative operator



Spool position type 35 and operator type R standard

P.N. 6412942001

Spool position type 35 and operator type R extended

P.N. 6412942002

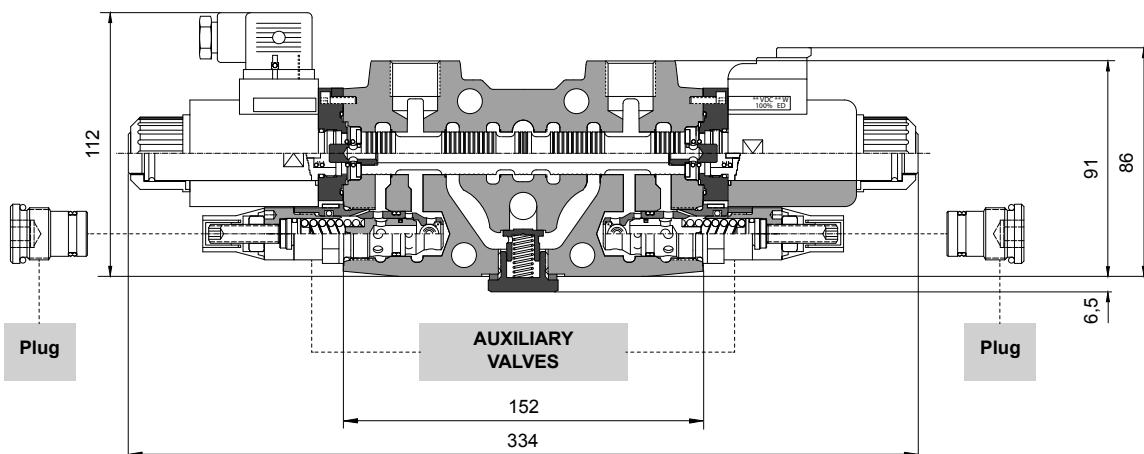
NOTE:

Rotative pilot normally use a stainless steel spool.

Operator	Spool position Kit	Function	Description
R	35		Rotary device with detent in neutral position.

Direct solenoid operated section

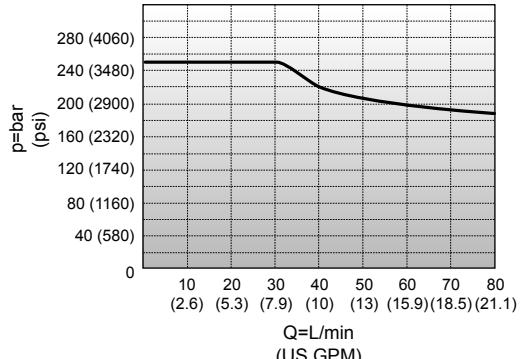
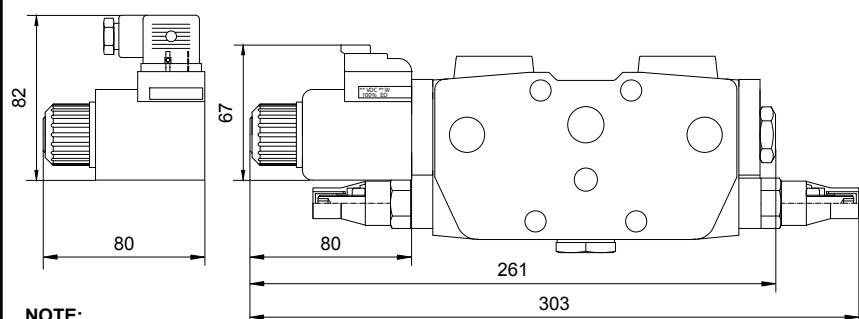
Spool position kit 83



NOTE:

When ordering spool position kit 83 "A" main relief valve position must be used.

Spool position kit 84, according main relief valve in A (Standard) position



NOTE:

In spool position kit 84, solenoid side is considered operator side.

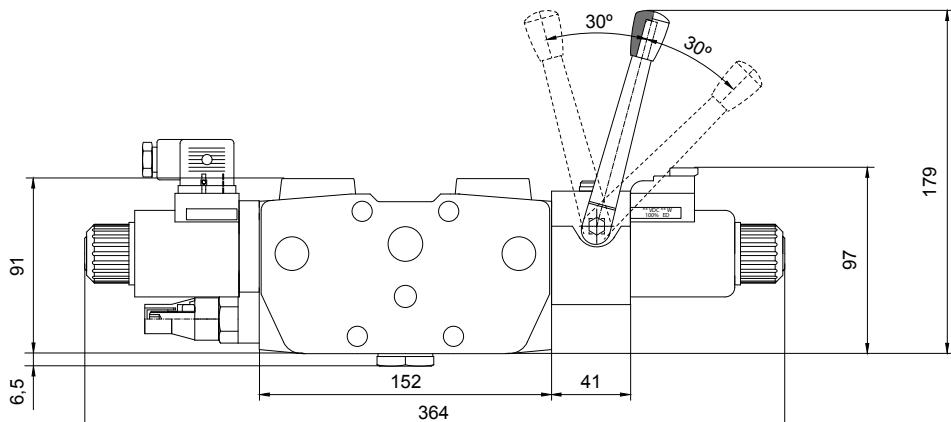
Operator	Hand lever	Coil connector (Female)	Required connector (Male)	IP-Protector
E	without	DEUTSCH DT04-2P	DEUTSCH DT06-2S	67
L	without	HIRSCHMANN	ISO 4400	65 (needs joint)

Main relief Valve position	Spool position Kit	Function	Description
A	83		Three positions; end positions by direct solenoid, neutral position by spring.
A-C	84		Two positions; neutral position and end position. Position 0 by spring and end position by solenoid in side A port.

Coil voltage	Coil wattage	Coil resistance	Duty	Ambient operating Temperature (Coil)	Coil insulation
12 V DC	38 W	3,79 Ohm	continuous (100%)	-54°C (-65°F) / +60°C (+140°F)	CLASS H
24 V DC	38 W	15,16 Ohm	continuous (100%)	-54°C (-65°F) / +60°C (+140°F)	CLASS H

Direct solenoid operated section with emergency operator

Spool position kit 83



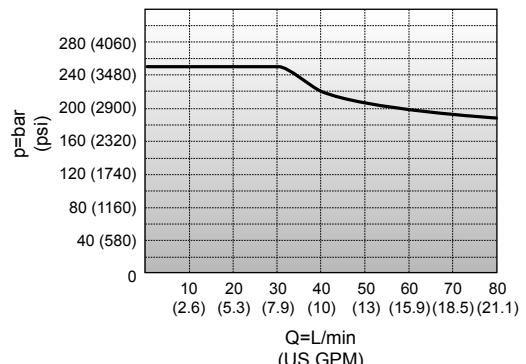
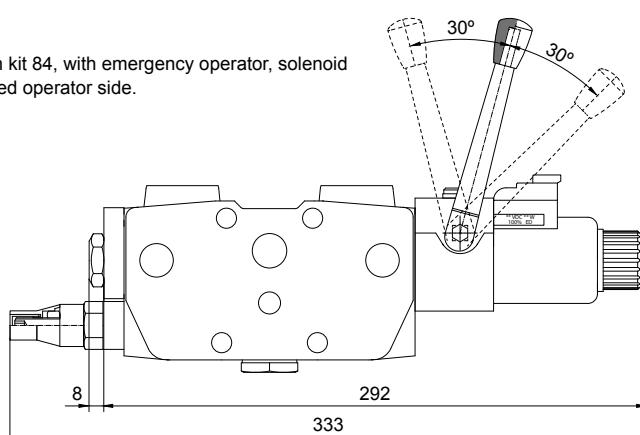
NOTE:

When ordering spool position kit 83 with emergency operator "A" main relief position valve must be used.

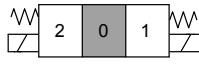
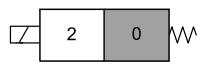
Spool position kit 84, according main relief valve in C position

NOTE:

In spool position kit 84, with emergency operator, solenoid side is considered operator side.



Operator	Hand lever	Coil connector (Female)	Required connector (Male)	IP-Protector
ME	with	DEUTSCH DT04-2P	DEUTSCH DT06-2S	67
ML	with	HIRSCHMANN	ISO 4400	65 (needs joint)

Main relief Valve position	Spool position Kit	Function	Descripción
A	83		Three positions; end positions by direct solenoid, neutral position by spring.
A-C	84		Two positions; neutral position and end position. Position 0 by spring and end position by solenoid in side A port.

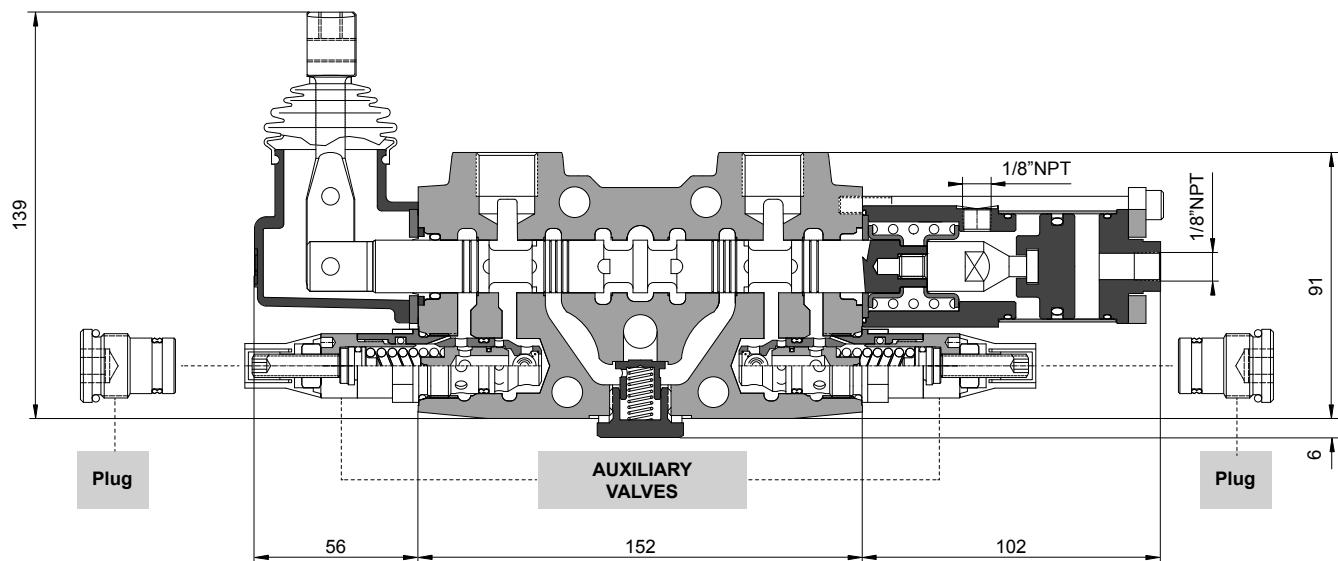
Coil voltage	Coil wattage	Coil resistance	Duty	Ambient operating Temperature (Coil)	Coil insulation
12 V DC	38 W	3,79 Ohm	continuous (100%)	-54°C (-65°F) / +60°C (+140°F)	CLASS H
24 V DC	38 W	15,16 Ohm	continuous (100%)	-54°C (-65°F) / +60°C (+140°F)	CLASS H

Pneumatic pilot

NOTE:

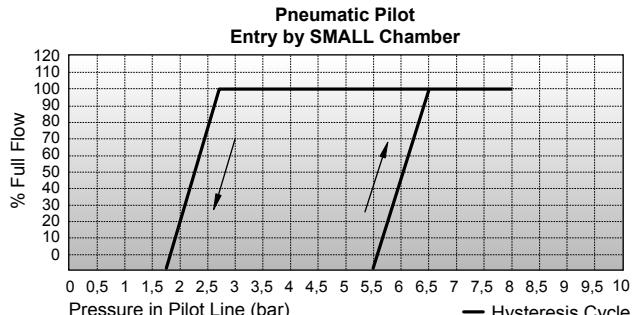
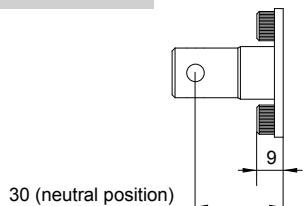
Pneumatic pilot normally use an operator type Z2 (standard), S or T. If you want use another type of operator for this pneumatic pilot, please contact.

Operator side (Z2)

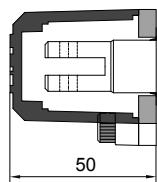


Spool position
kit (22)

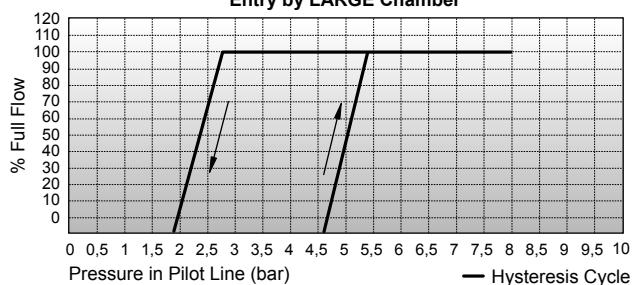
Operator side (S)

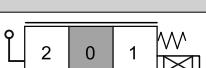


Operator side (T)



Pneumatic Pilot
Entry by LARGE Chamber

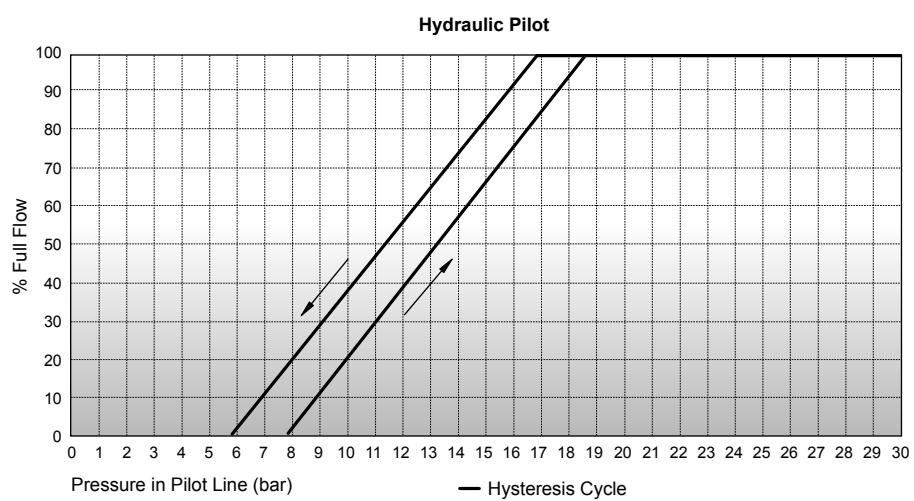
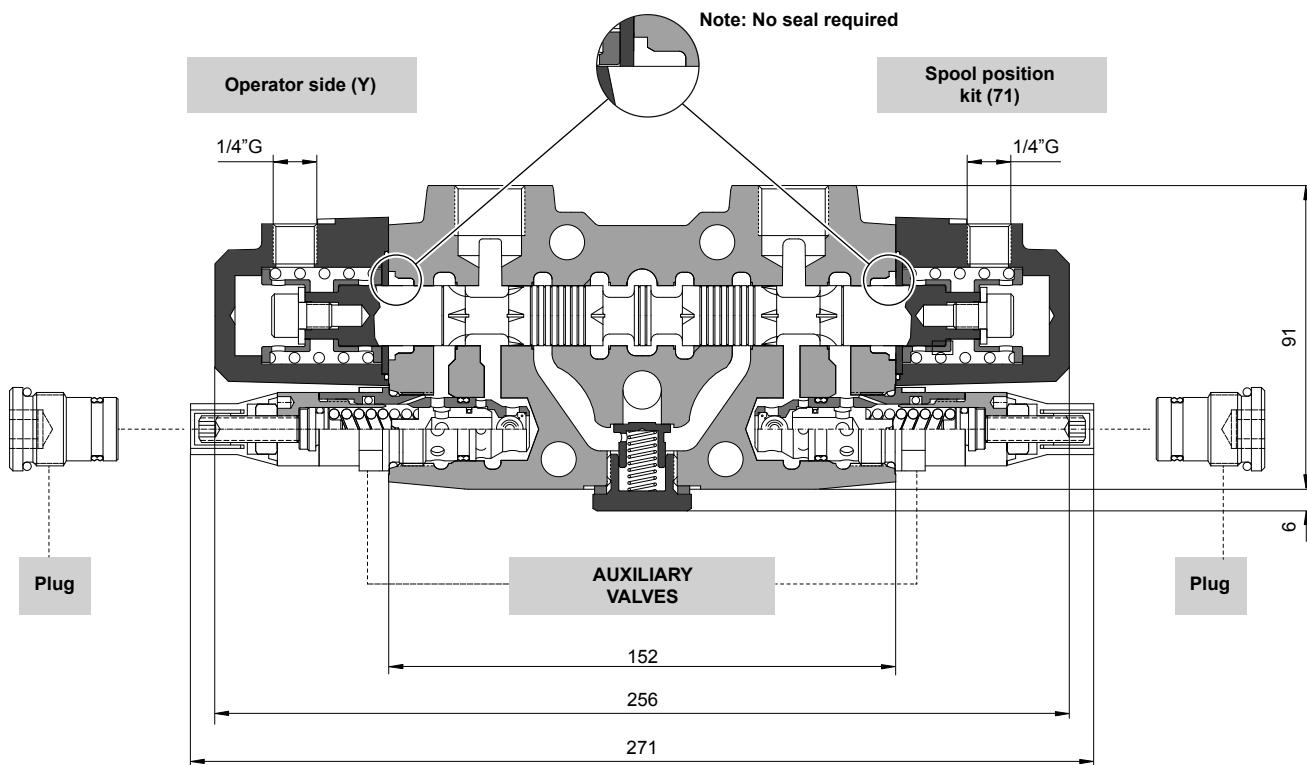


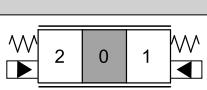
Operator	Spool position Kit	Function	Description
S	22		Three positions pneumatic piloted.
Z2			
T			

Hydraulic pilot

NOTE:

Hydraulic pilot only use spool position kit 71 and operator Y.



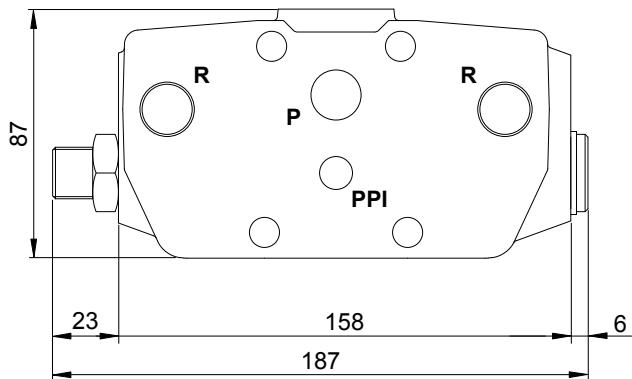
Operator	Spool position Kit	Function	Description
Y	71		Three positions hydraulic piloted.

3 way flow control for directional control valves

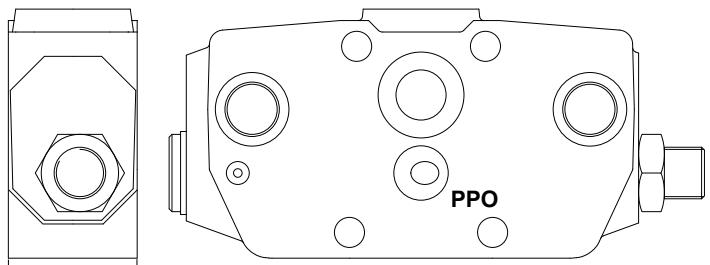
This flow control section can be fitted at any position in valve assembly except final section, according to which sections are required with a reduced flow rate.

All sections downstream of this valve can only operated at this reduced flow rate.

INLET COVER SIDE



OUTLET COVER SIDE

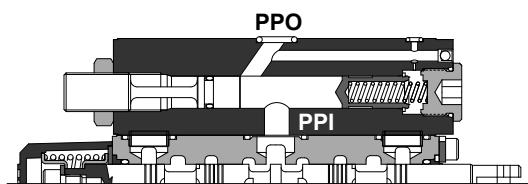
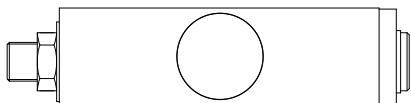


NOTE:

Not possible reduce flow on final section.

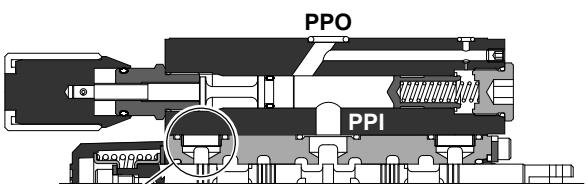
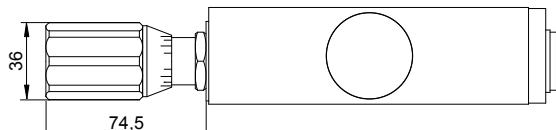
3 way flow control ajustable

P.N. M6796002

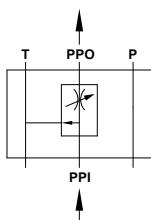
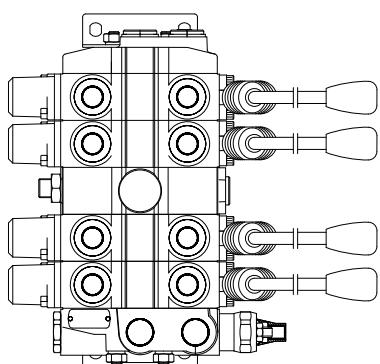


3 way flow control with knob

P.N. M6796003



Inlet cover side

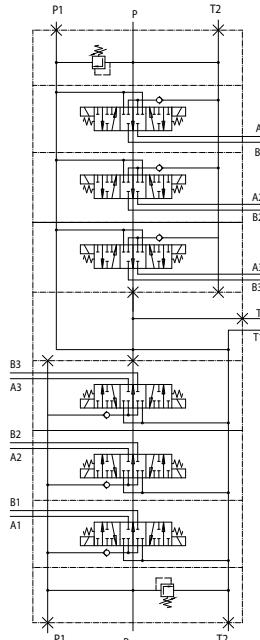
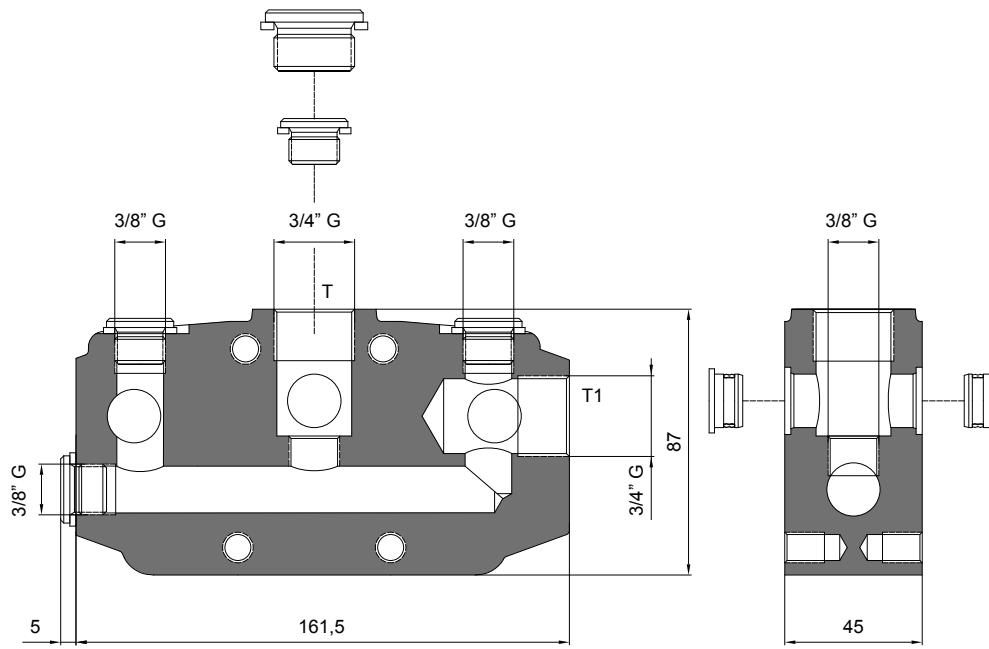


Technical data

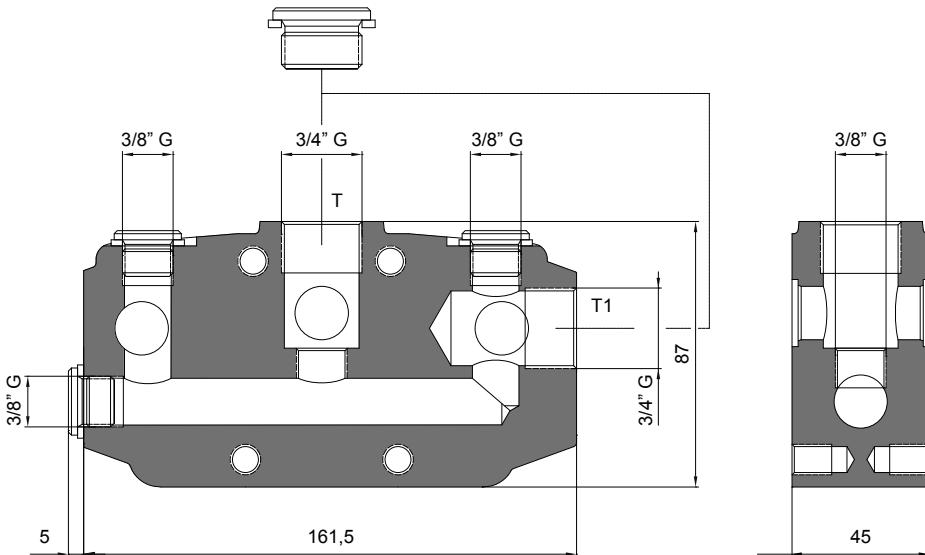
Nominal flow rate	80 l/min / 21 (US GPM)
Min. flow rate	5 l/min / 1 (US GPM)
Max. work pressure	350 bar / 5075 psi

Mid-outlet scheme

Closed center (return C)

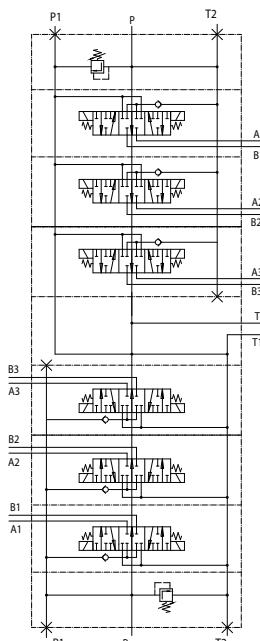


Free flow (return N)

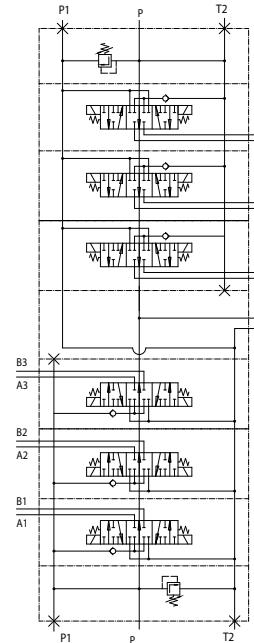
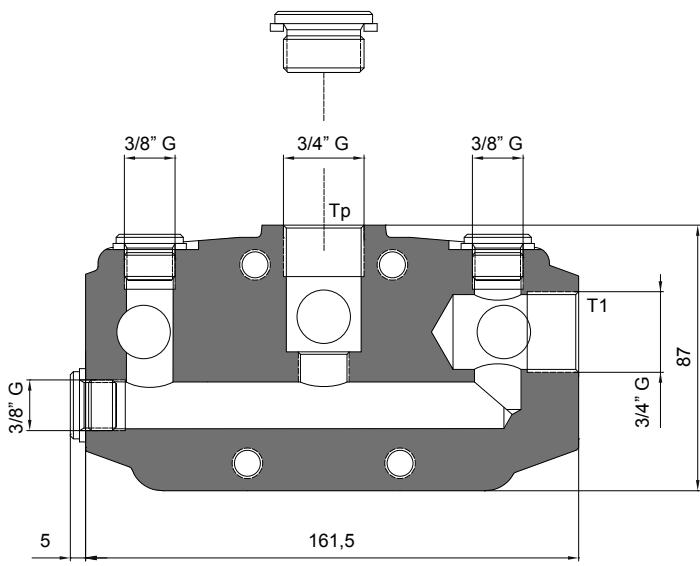


Operative tank port-plugs

Side port	Plug in port T
Top port	Plug in port T1
Turn around port	Plug in ports T and T1

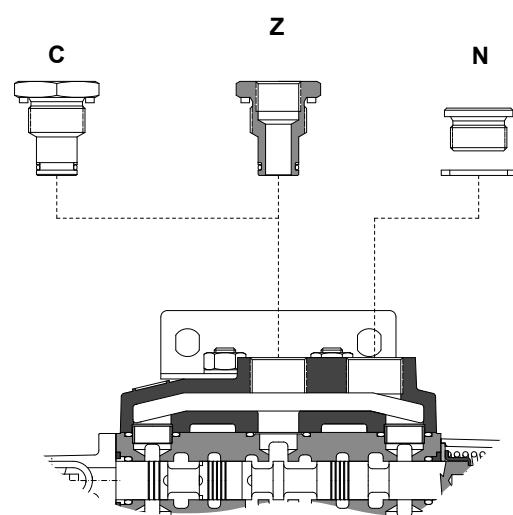


Power beyond (return Z)



Return configuration

Return type	Ports		Part number
	T		
N	Open center	3/4" G.	Standard
Z	Power beyond	1/2" G.	N6412/270
C	Closed center	Plug	N6412/269

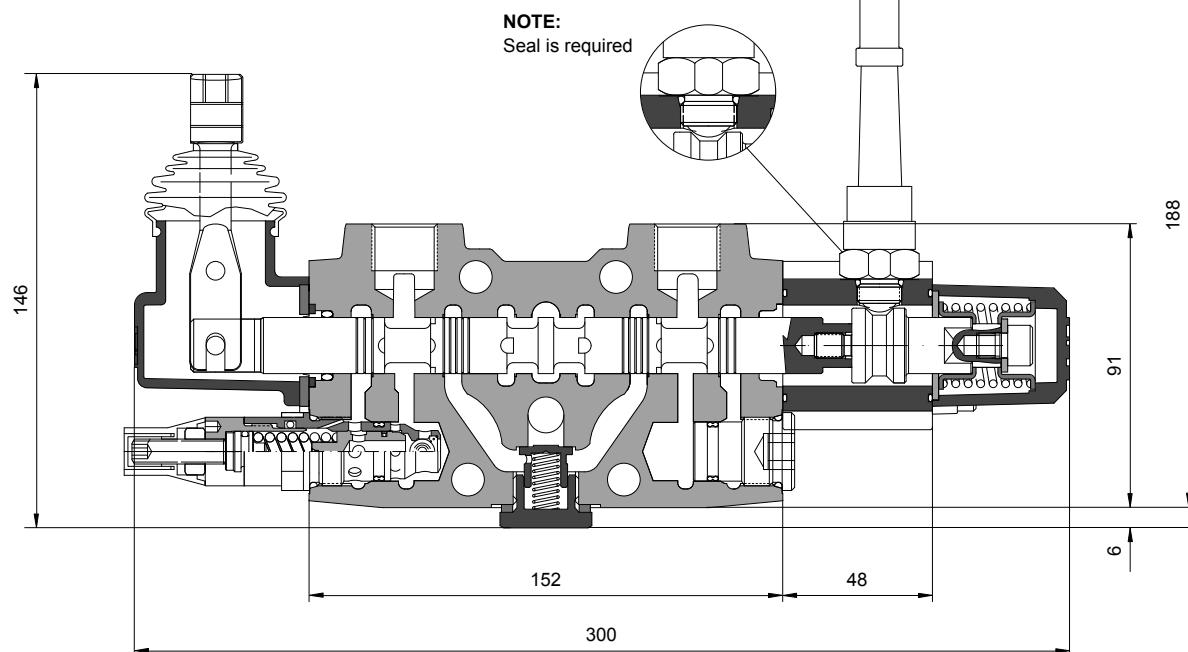


Position microswitch *

PRECISION BALL SWITCHES
TECHNICAL DATA

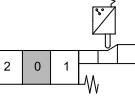
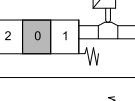
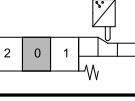
Current range	Voltage range	Connector	Temperature range	Type
0,01-5,0 Amp	5-24 V	Packard weather pack	-40 °C to 120 °C	Normally open
				Normally close

PACKARD WEATHER PACK
Female connector with male end.

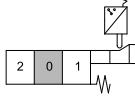
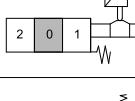
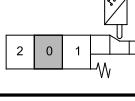


* Subject to minimum order quantities

POSITION MICROSWITCH NORMALLY **OPEN**

CODE FOR CONTROL VALVE SECTIONS PART NUMBER	PART NUMBER KIT	FUNCTION
NO1	M6412/888/1	
NO3	M6412/888/3	
NO2	M6412/888/2	

POSITION MICROSWITCH NORMALLY **CLOSE**

CODE FOR CONTROL VALVE SECTIONS PART NUMBER	PART NUMBER KIT	FUNCTION
NC1	M6412/905/1	
NC3	M6412/905/3	
NC2	M6412/905/2	

CODING SYSTEM EXAMPLE: 406/A11Z2-D00/VA-13/T-0-**NO3**

CODING SYSTEM EXAMPLE: 406/A11Z2-D00/VA-13/T-0-**NC3**

Specification sheet for special control valve with code

		Return type		End cover		Code (additional data, paint, etc.):	
		<input checked="" type="checkbox"/> C Closed center	<input type="checkbox"/>	<input type="checkbox"/> Operativa port: Top port	<input type="checkbox"/>		
		<input type="checkbox"/> N Free flow	<input type="checkbox"/>	<input type="checkbox"/> Front port	<input type="checkbox"/>		
		<input type="checkbox"/> Z H.P.C.O.	<input type="checkbox"/>				
Elements	9	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	8	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	7	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	6	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	5	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	4	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	3	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	2	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	1	Spool position:	Auxiliary valve:	Section: Without valve Section: With valve	<input type="checkbox"/> <input type="checkbox"/>	Auxiliary valve:	Hand lever:
	Type:	406 <input type="checkbox"/> 1406 <input type="checkbox"/>	Unloading valve:	Inlet cover:	Main relief valve:		
			Operative port: Top port Front port	<input type="checkbox"/>			

ROQUET part number

Main relief valve

Type	Return	S. p. device	Hand lever	Position	Setting	Spools	Voltage	Unloading valve	Code

Maximum number of characters as 25 by part number.

Note: Part number must be checked by PEDRO ROQUET S.A., It is reserved the right to change it. The code is provided only by PEDRO ROQUET S.A.



Notes

Type
406



Notes

Type
406

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EN.08.03.02/05.18