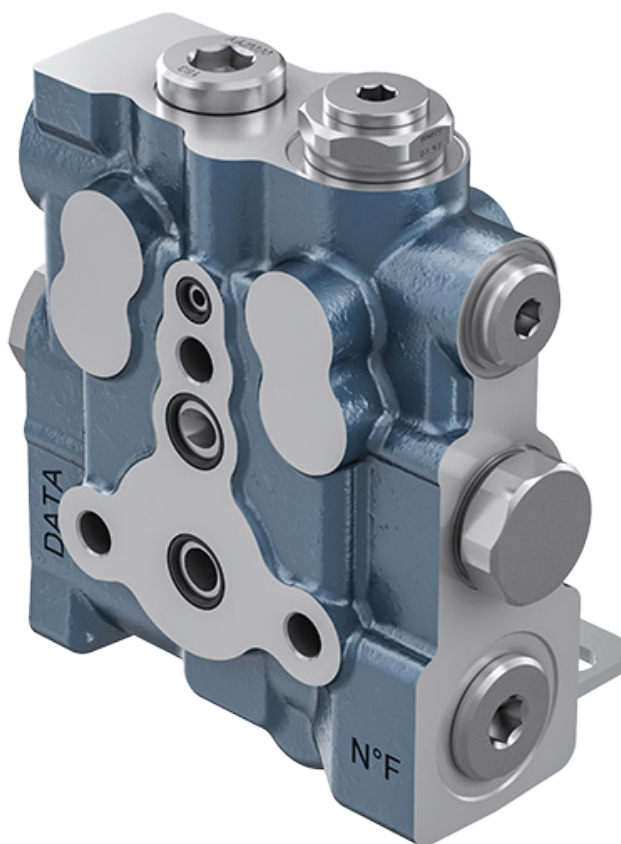
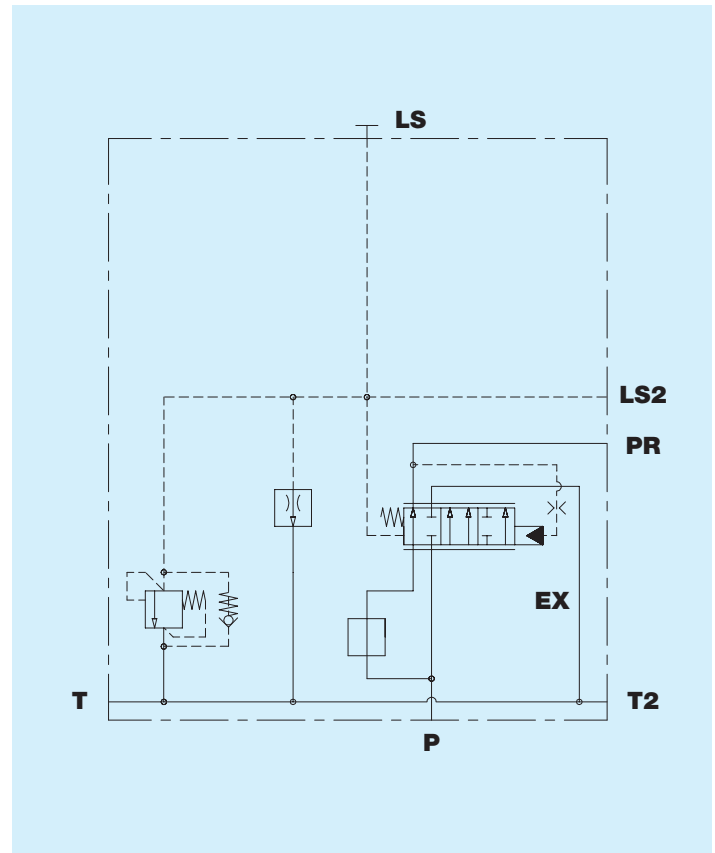


TE05P L.S. Inlet cover with priority Interface IBW0500 IBW0511 - TE05C

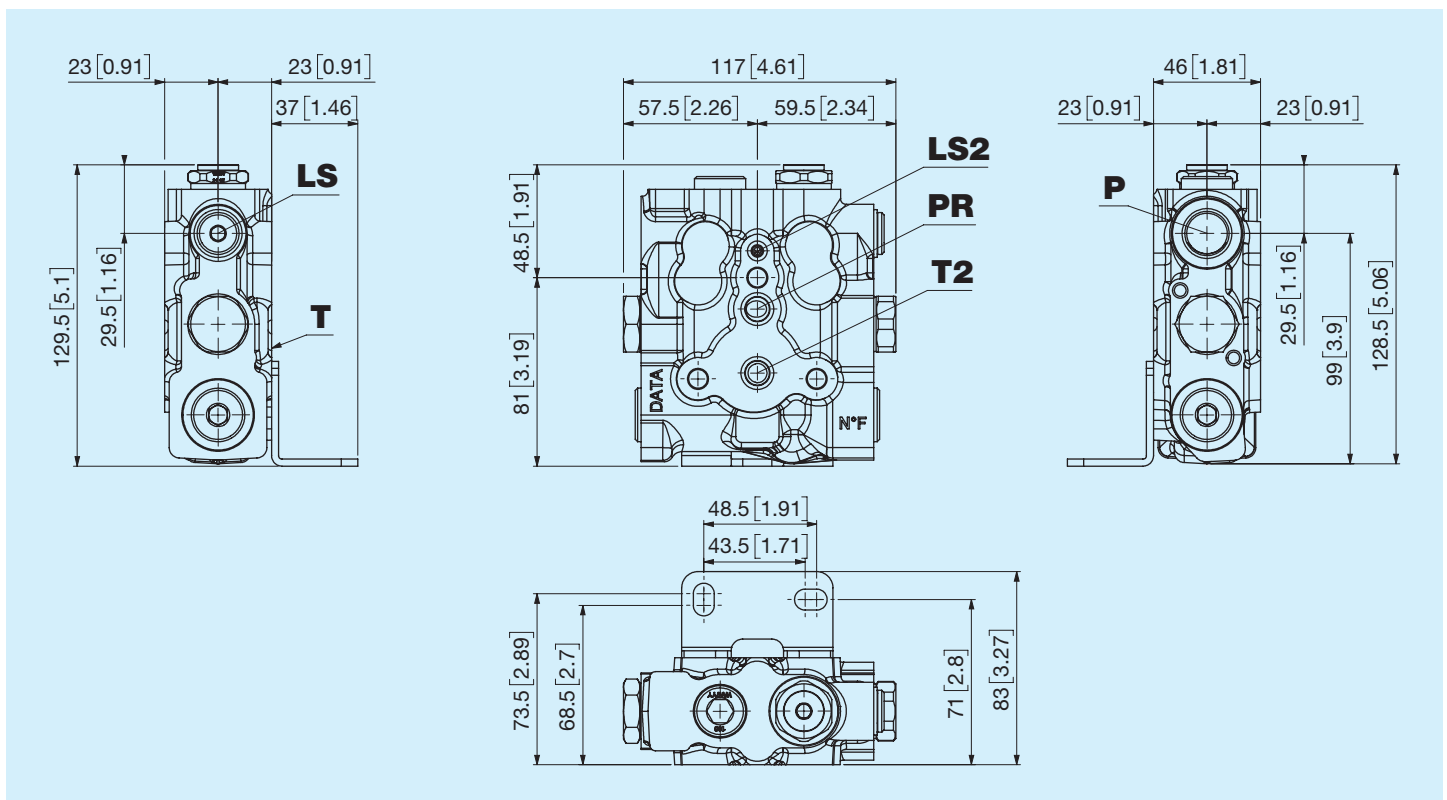


Prior to use, carefully read the document GENERAL USE INSTRUCTIONS FOR DIRECTIONAL CONTROL VALVES

Nominal flow rate	70 l/min 18.48 US gpm
Regulated nominal flow rate	50 l/min 13.21 US gpm
Nominal pressure	250 bar 3625 psi
Maximum tank pressure	50 bar 725 psi
Operating temperature	-20°C +85°C NBR seals (max peak +100°C) -20°C + 130°C HNBR seals
Operating oil viscosity	from 15 mm²/s to 90 mm²/s (15 cSt to 90 cSt)
Fluid	Hydraulic fluids defined by the ISO 6743-4 standard
Weight	3 Kg 6.6 lb
Interface	IBW0500 - IBW0511 - TE05C

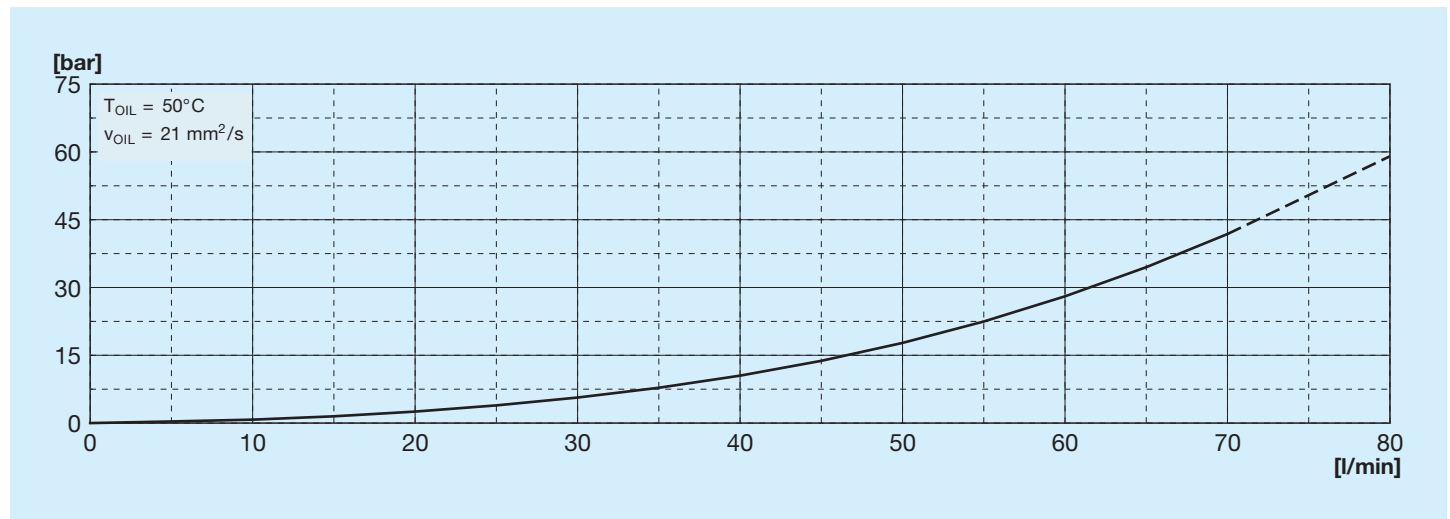


Overall dimensions

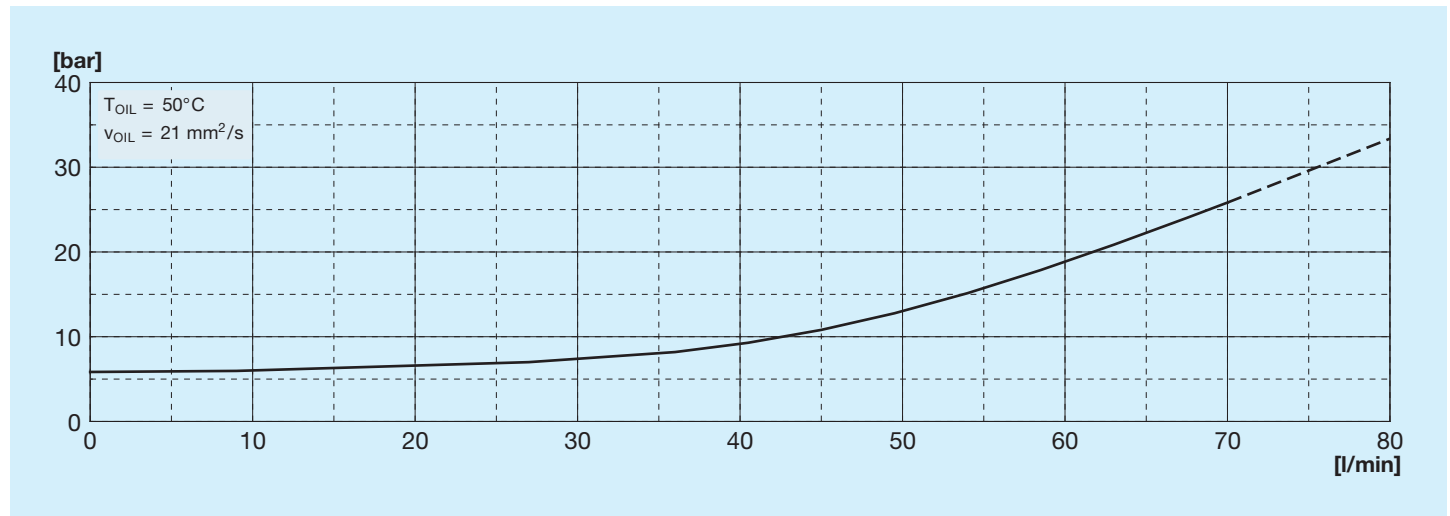


PR = Priority EX = Excess

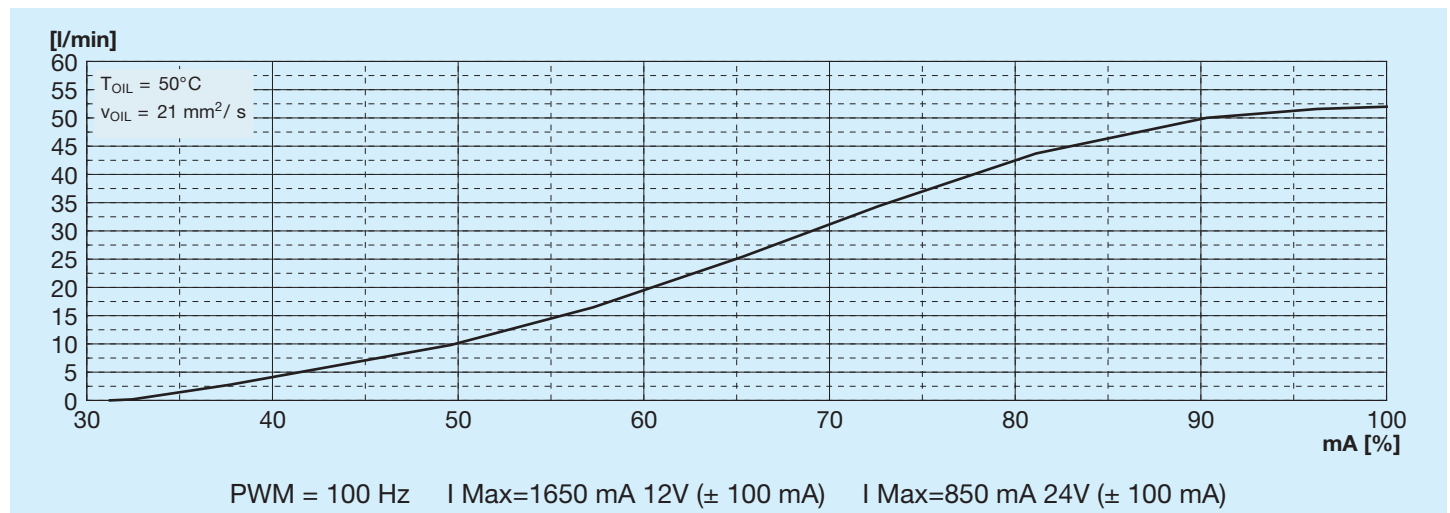
Characteristic curves P - PR



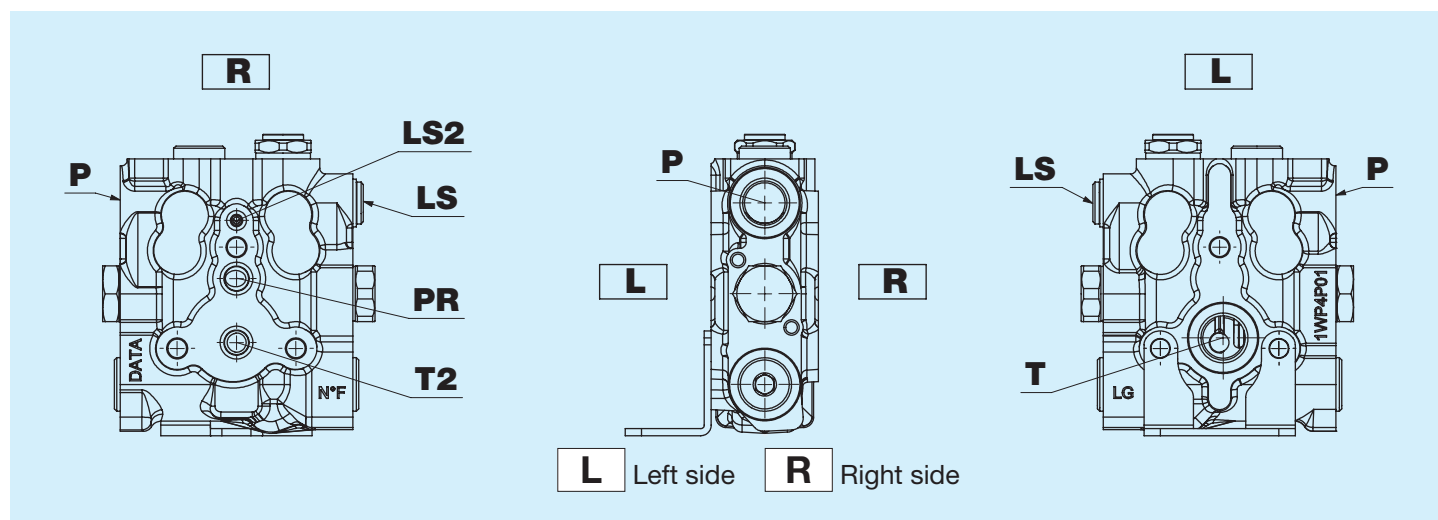
Pressure drops P - T



Electro-proportional actuator

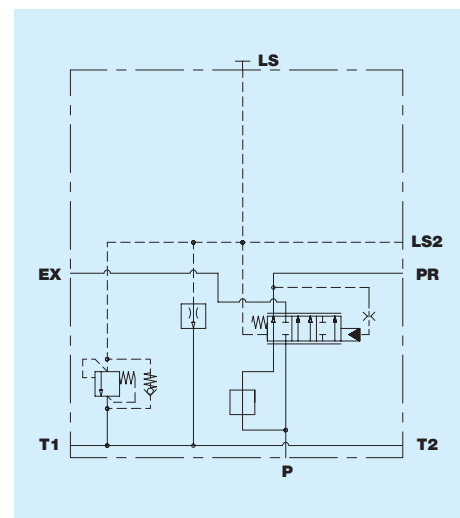
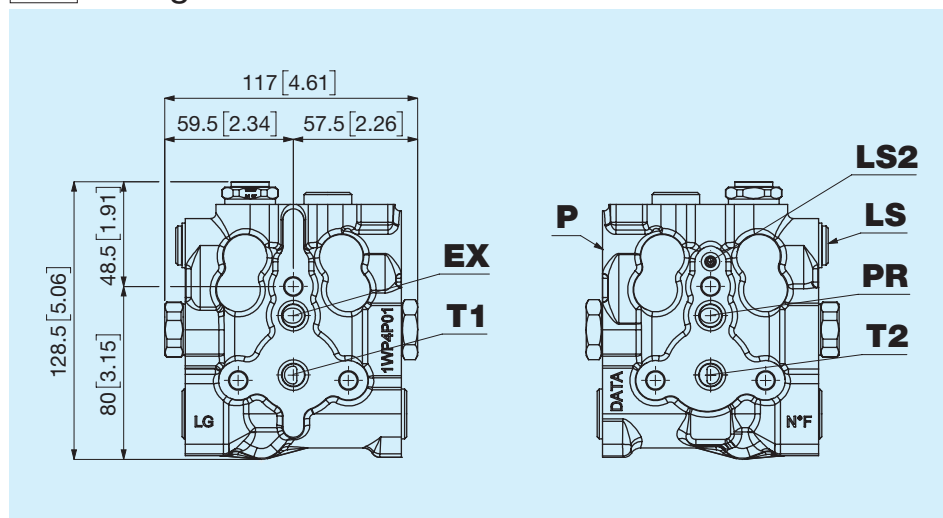


Definition of the right and left side of the cover

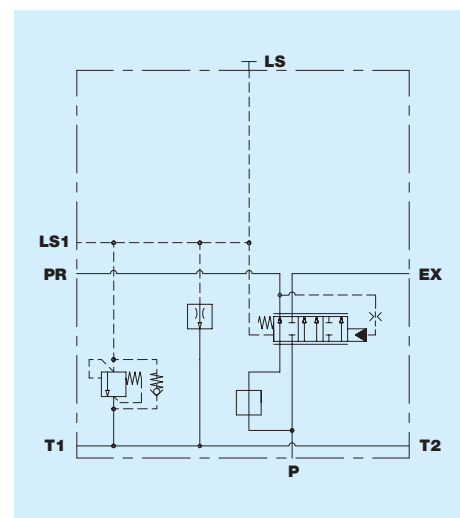
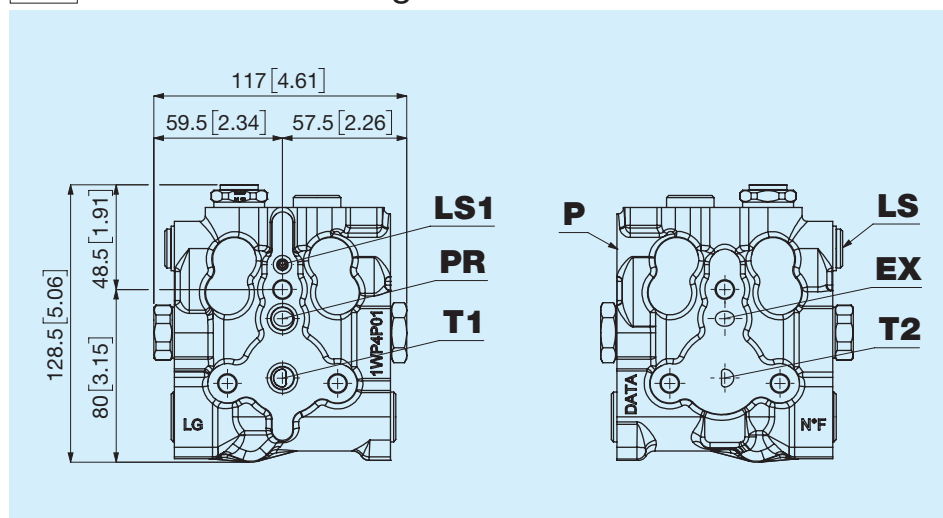


The right and left sides of the cover, as shown in the drawing, are defined with respect to the position of the port P.

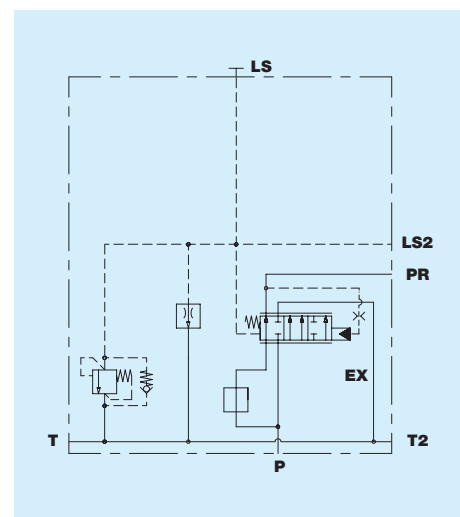
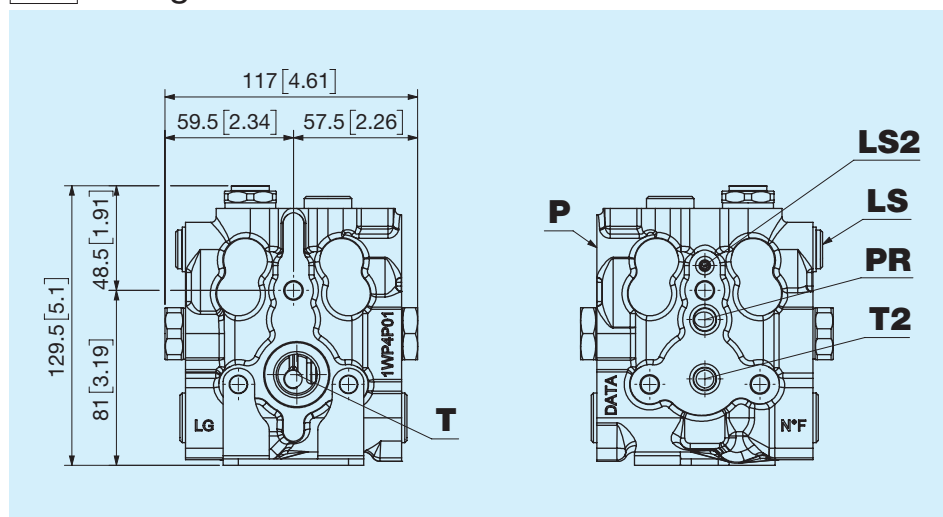
A PR right side - EX left side



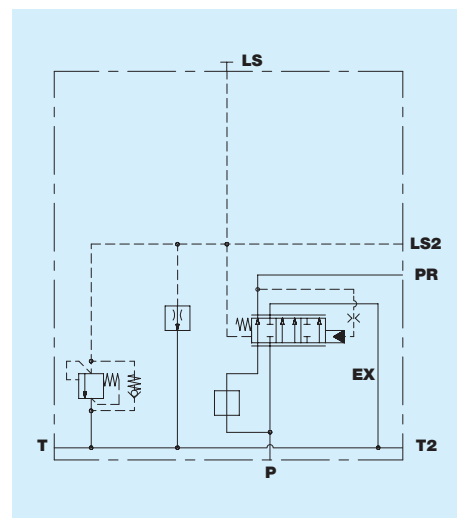
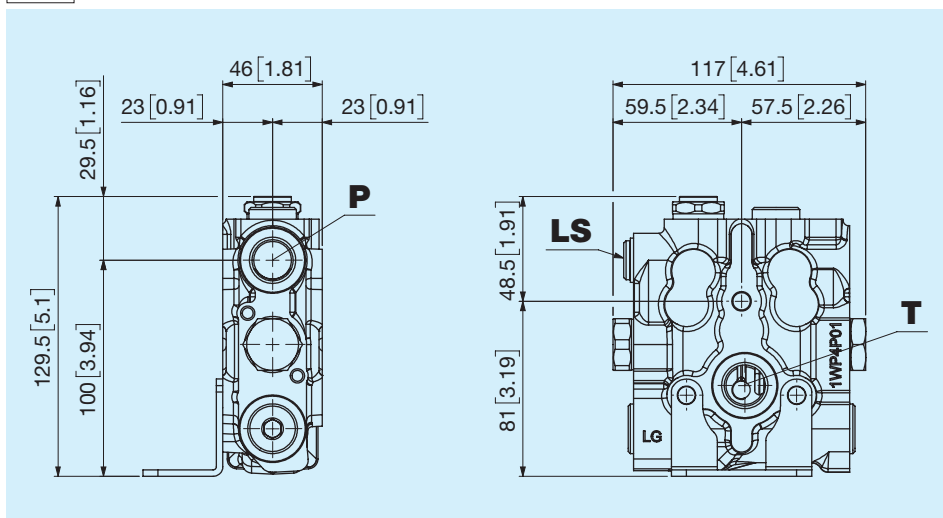
B PR left side - EX right side



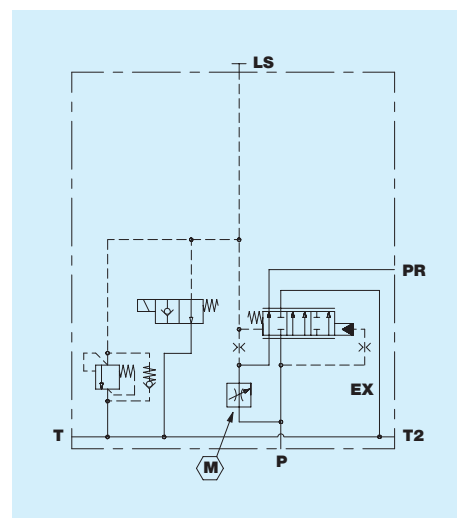
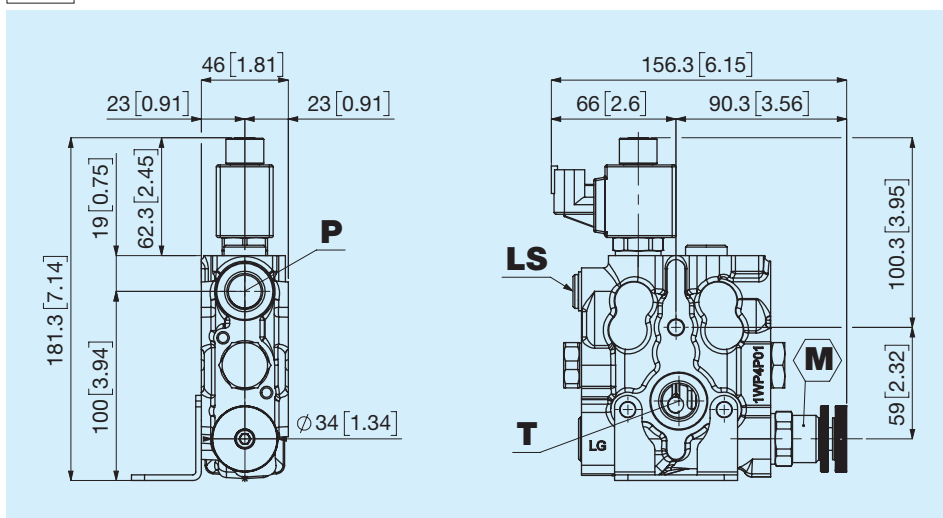
C PR right side - EX to tank



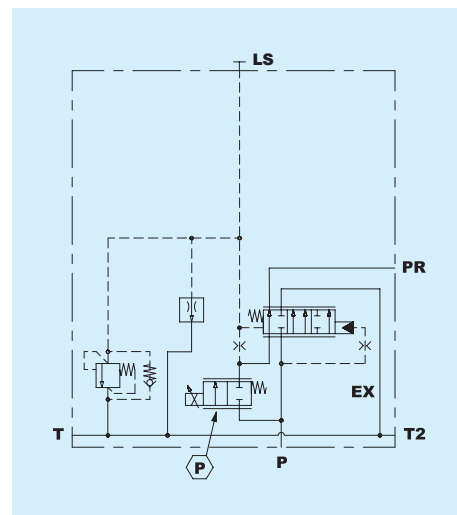
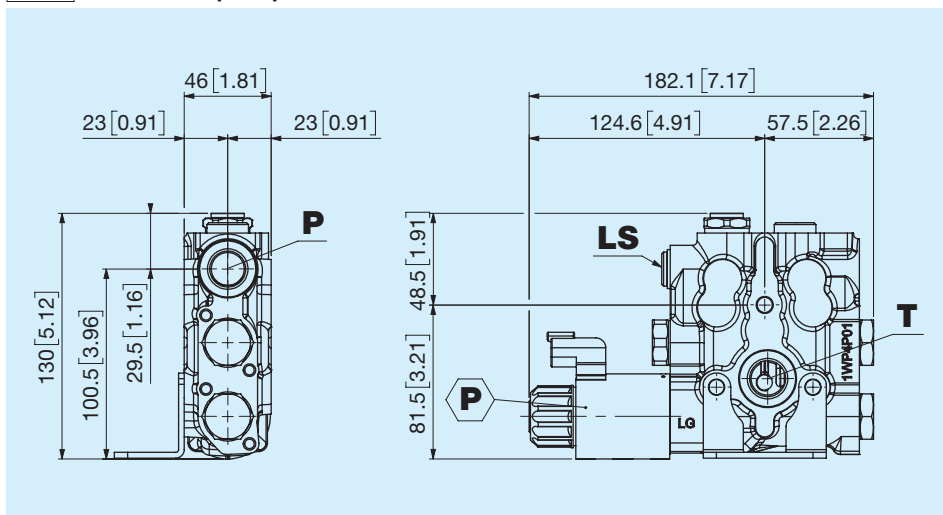
N No actuator



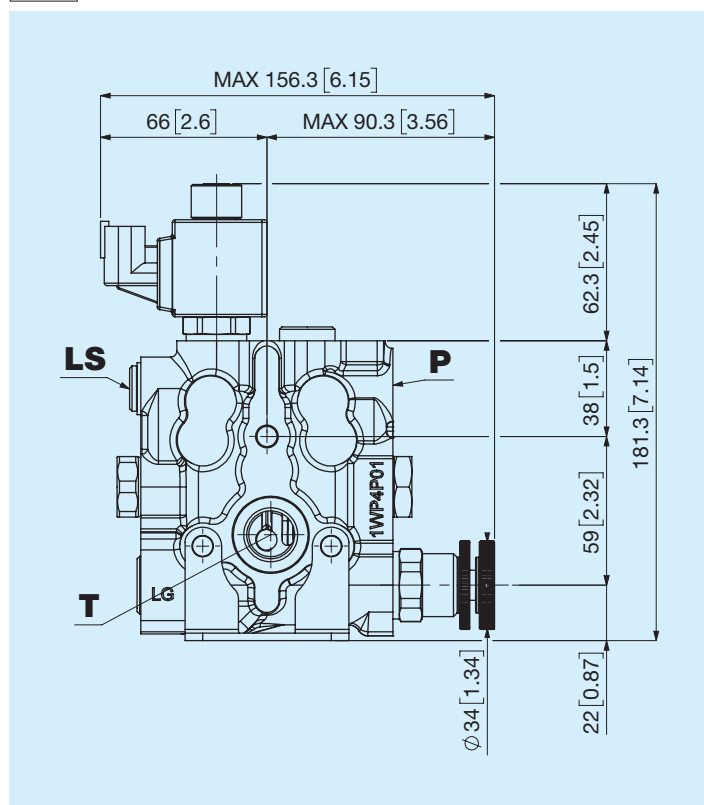
M Manual actuator



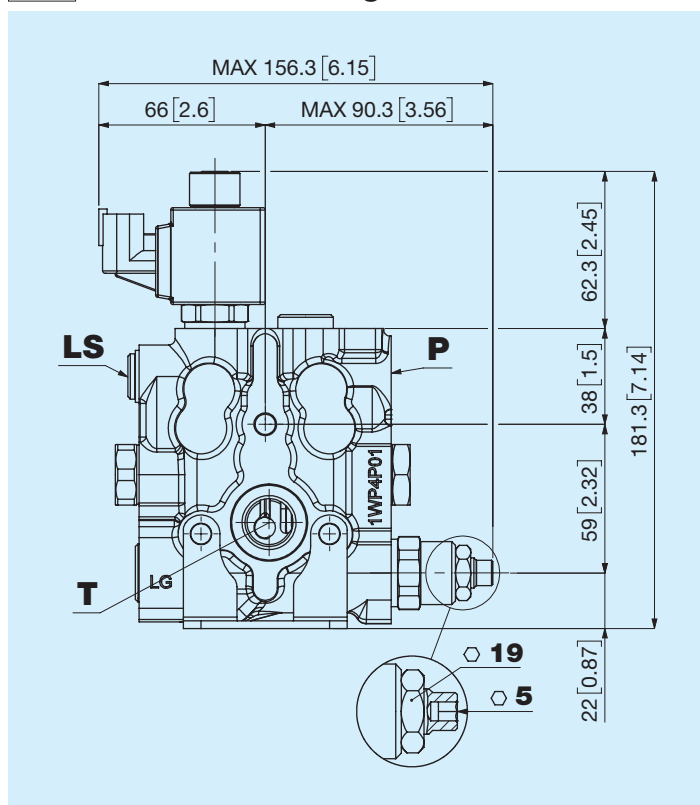
P Electro-proportional actuator



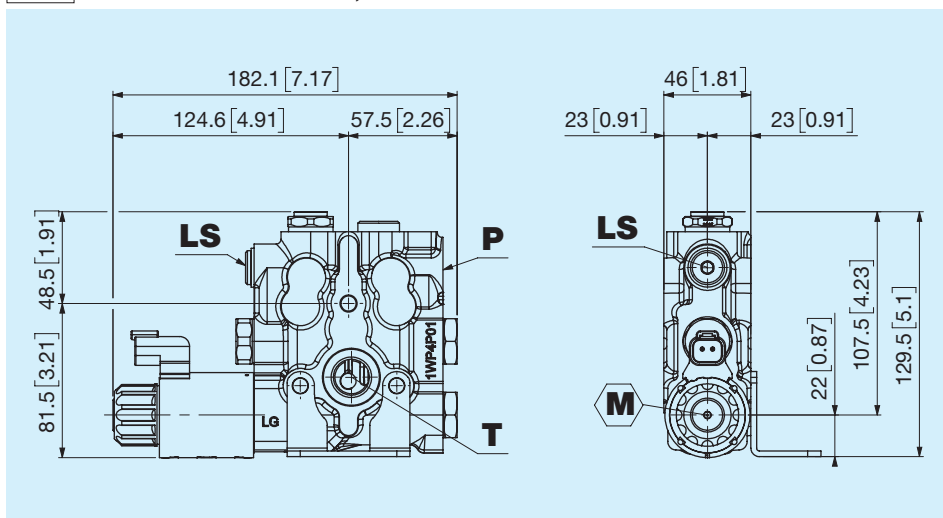
V With handwheel



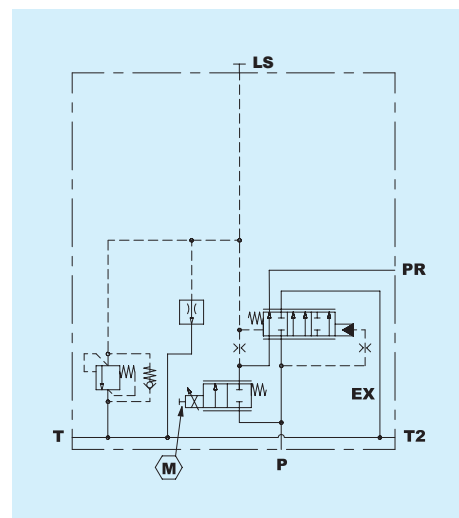
M Screw with hexagonal Allen head



M Manual override, free-back



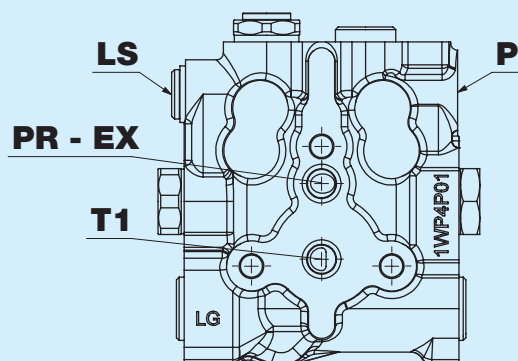
M = Emergency in thrust with free-back



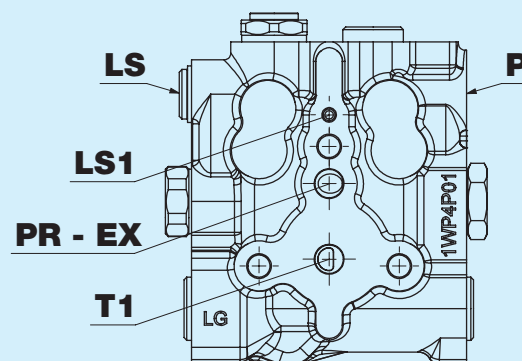
Electrical characteristics of the electro-proportional actuator coil

Voltage	12	24	V (± 10%)
Resistance at 20°C	5,2	13,55	Ω (± 5%)
Maximum current	1650	850	mA (± 100)
PWM	100	100	Hz

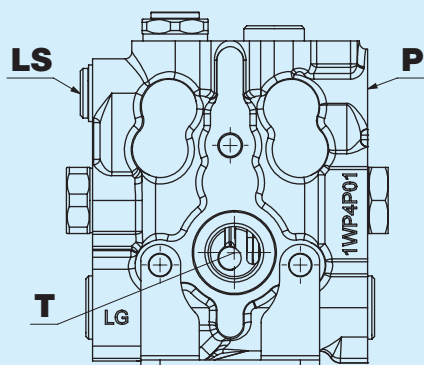
C IBW0500



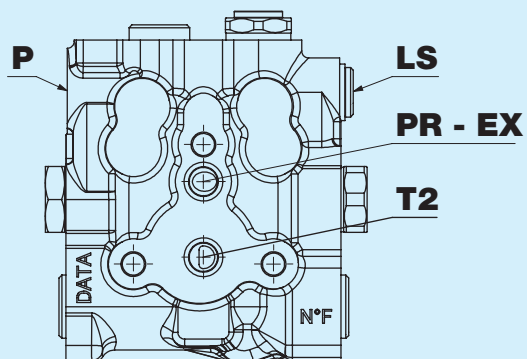
D IBW0511



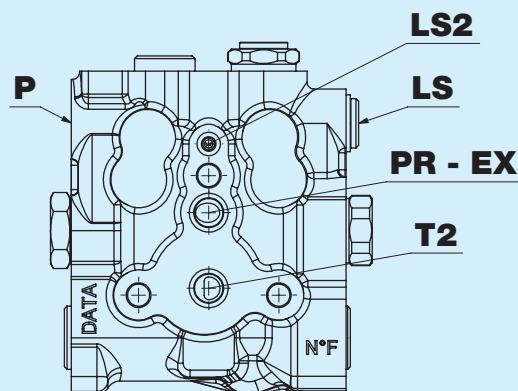
E Port T



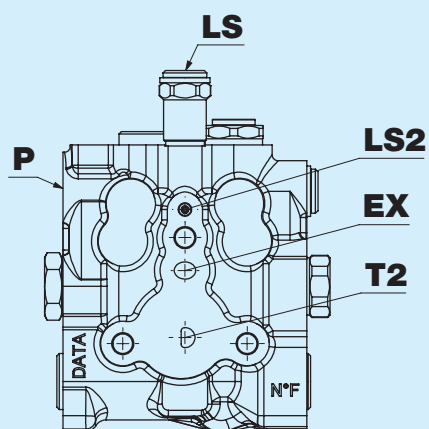
C IBW0500



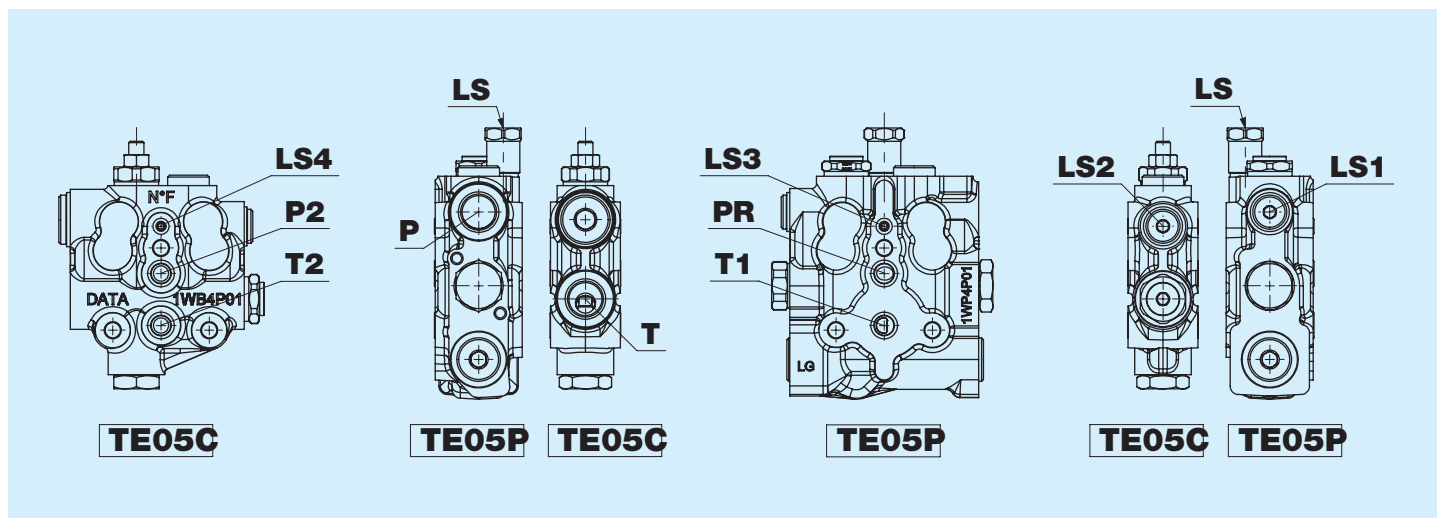
D IBW0511



F TE05C



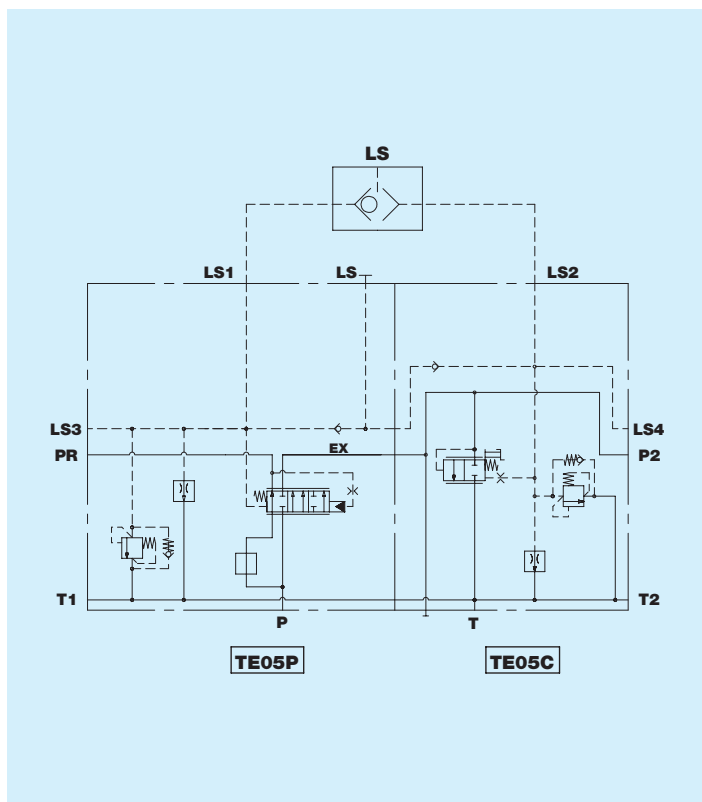
TE05P + TE05C



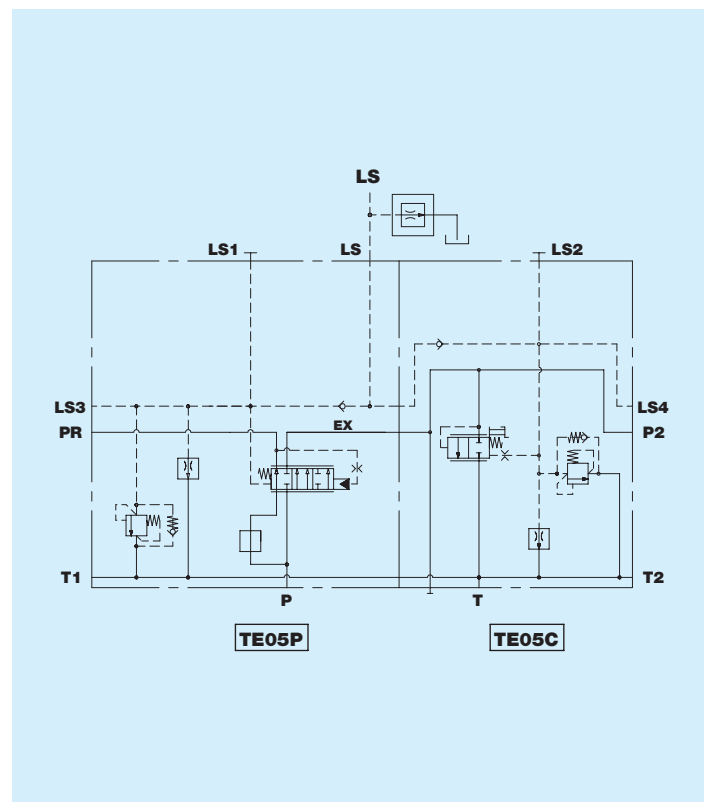
The option with interface **F** makes it possible to combine the priority TE05P cover with the compensated TE05C cover. With LS pump, if the latter is not equipped with an integrated drain valve, the LS line could remain under pressure. There are two possible solutions:

- 1) Install an in-line shuttle valve and connect it to ports LS1 and LS2 of the covers, plug the LS port.
- 2) Insert a drain valve between the LS line and pump, plug the LS1 and LS2 ports.

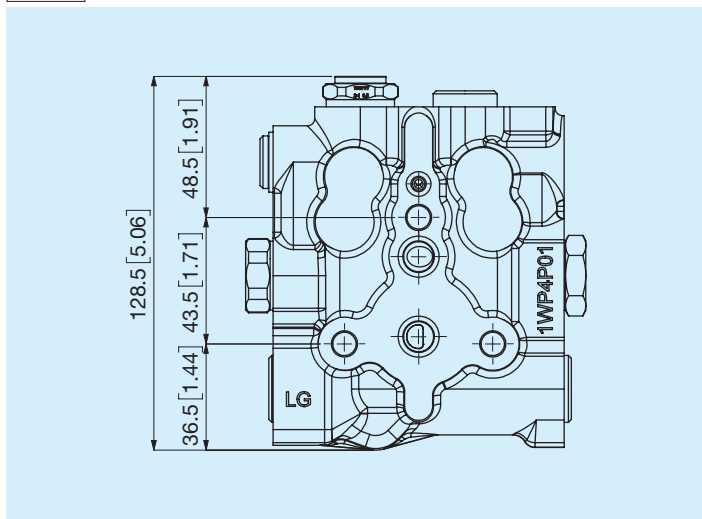
1) Shuttle valve



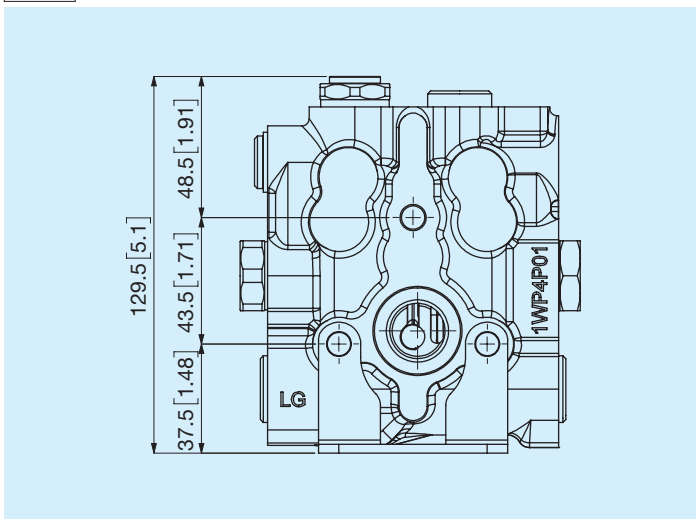
2) Drain valve



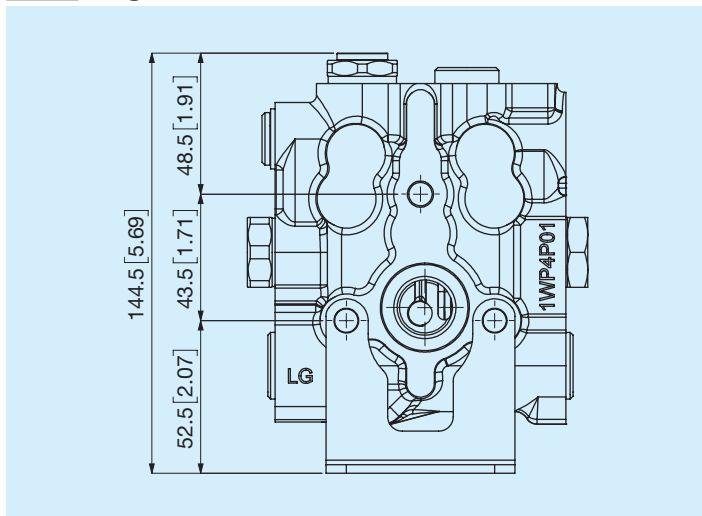
NN None



H2 Standard



H3 High



Thread port P

Code	Type	Tightening $\pm 10\%$ Nm
A	3/8" GAS ISO 1179	45
B	1/2" GAS ISO 1179	70
C	M18x1.5 ISO 9974	45
N	M22x1.5 ISO 9974	70
W	M18x1.5 ISO 6149	45
J	M22x1.5 ISO 6149	70
E	3/4" - 16 SAE ISO 11926	45
R	7/8" - 14 SAE ISO 11926	70

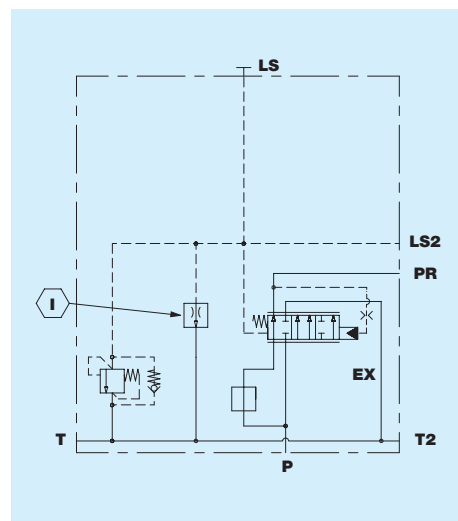
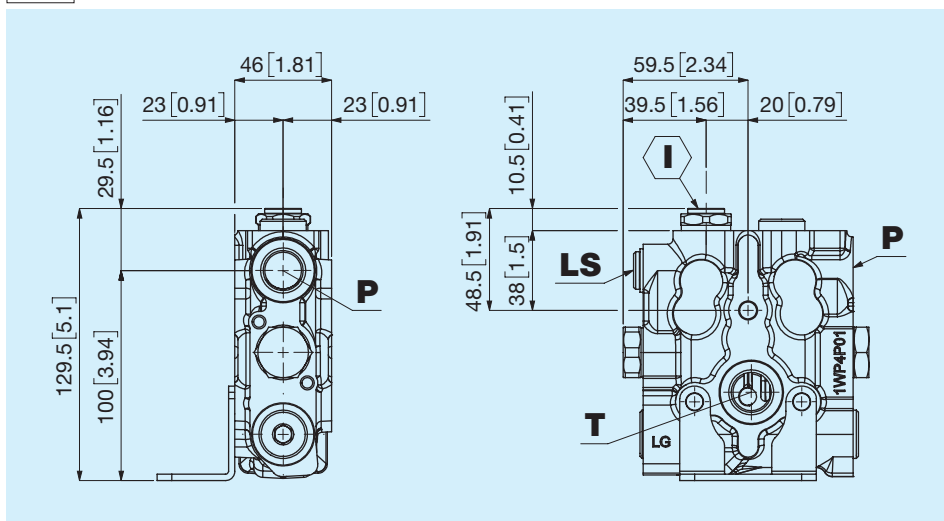
Thread port T

Code	Type	Tightening $\pm 10\%$ Nm
O	None	
With interface E		
A	3/8" GAS ISO 1179	45
B	1/2" GAS ISO 1179	70
C	M18x1.5 ISO 9974	45
N	M22x1.5 ISO 9974	70
W	M18x1.5 ISO 6149	45
J	M22x1.5 ISO 6149	70
E	3/4" - 16 SAE ISO 11926	45
R	7/8" - 14 SAE ISO 11926	70

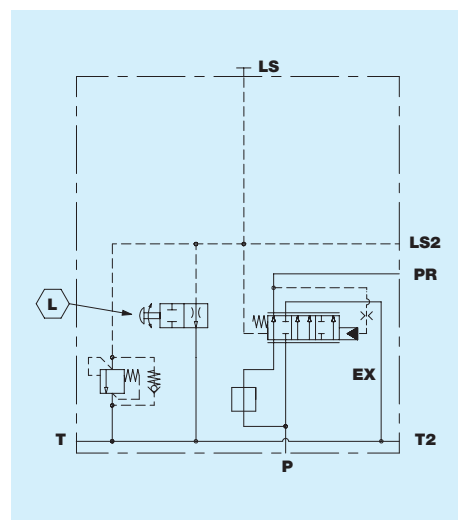
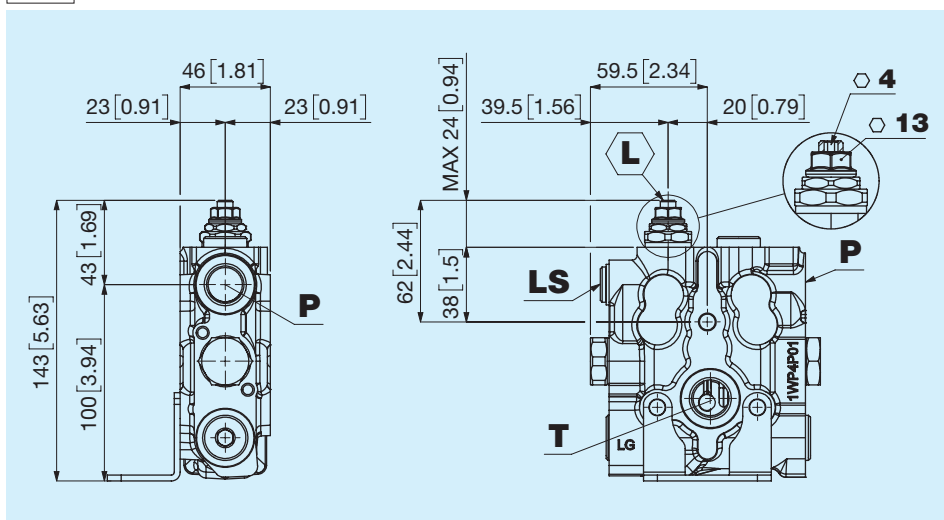
Thread port LS

Code	Type	Tightening $\pm 10\%$ Nm
L	1/4" GAS ISO 1179	27
3	M14x1.5 ISO 9974	27
K	M14x1.5 ISO 6149	27
P	9/16" - 18 SAE ISO 11926	27

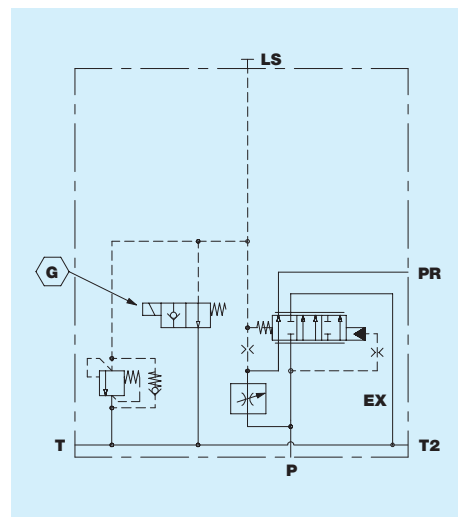
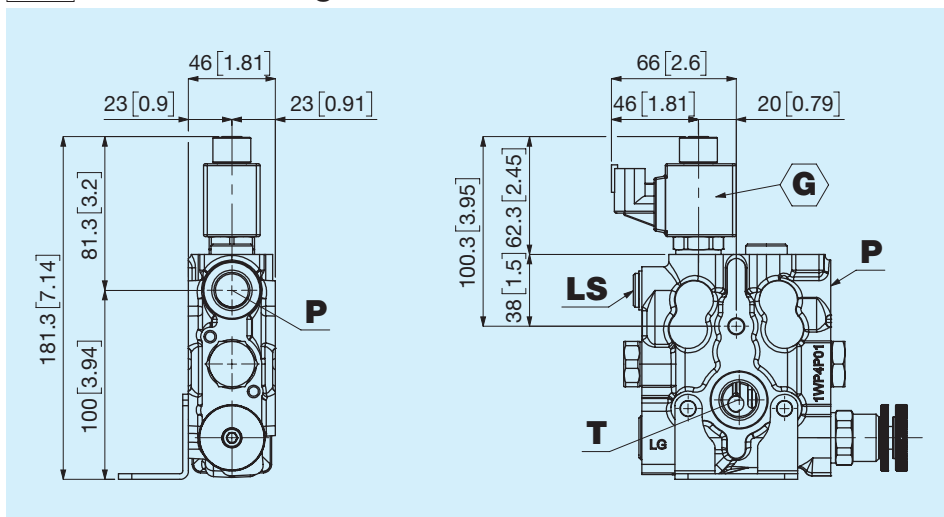
I Drain valve



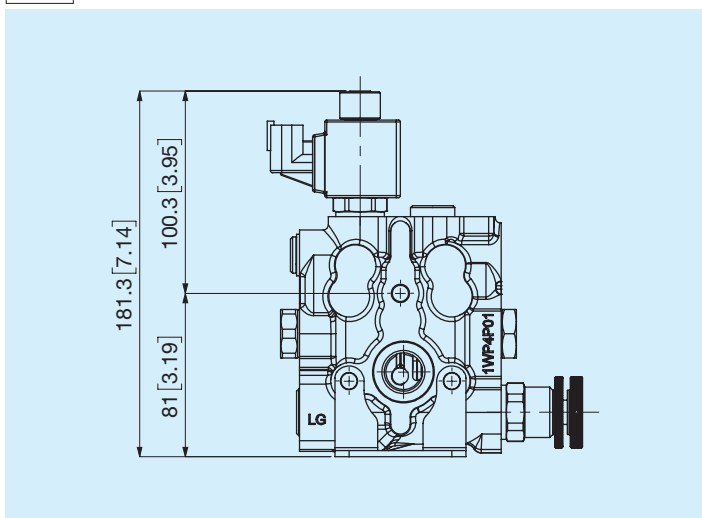
L ON-OFF drain valve



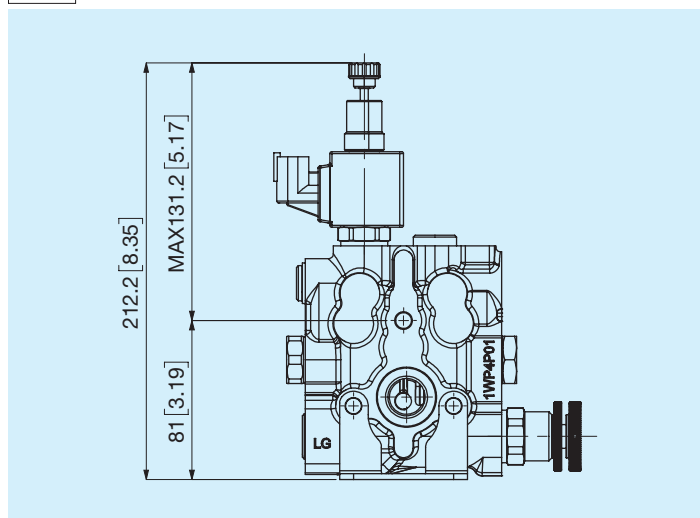
G With unloading valve



O Standard terminal



S Manual override with screw



Electrical characteristics of the unloading valve coil

Voltage	12	24	V ($\pm 10\%$)
Resistance at 20°C	7,7	32	Ω ($\pm 7\%$)
Rated current	1,55	0,75	A
Power	18,6	18	W

	1	2	3	4	5		7	8	9	10	11	12	13	14	15					
TE05P																				
1	Configurations																			
	A PR right side - EX left side					B PR left side - EX right side					C PR right side - EX to tank									
2	Actuators																			
	N No actuator					M Manual actuator					P Electro-proportional actuator									
3	Actuator options																			
	N None					B 24V 43650 DIN					H 24V DEUTSCH DT04-2P					M Screw with hexagonal allen head				
	A 12V 43650 DIN					G 12V DEUTSCH DT04-2P					V With handwheel									
4	Type of actuators emergency																			
	N None					M Manual emergency, free-back														
5	Left side interface																			
	C IBW0500					D IBW0511					E Port T									
	C IBW0500					D IBW0511					F TE05C									
7 8	Bracket height																			
	NN None					H2 Standard					H3 High									
9	Thread type																			
	F Female																			
10	Thread port P																			
	A 3/8" GAS ISO 1179					C M18x1.5 ISO 9974					W M18x1.5 ISO 6149					E 3/4" - 16 SAE ISO 11926				
	B 1/2" GAS ISO 1179					N M22x1.5 ISO 9974					J M22x1.5 ISO 6149					R 7/8" - 14 SAE ISO 11926				
11	Thread port T																			
	O None					C M18x1.5 ISO 9974					J M22x1.5 ISO 6149									
	A 3/8" GAS ISO 1179					N M22x1.5 ISO 9974					E 3/4" - 16 SAE ISO 11926									
	B 1/2" GAS ISO 1179					W M18x1.5 ISO 6149					R 7/8" - 14 SAE ISO 11926									
12	Thread port LS																			
	L 1/4" GAS ISO 1179					3 M14x1.5 ISO 9974					K M14x1.5 ISO 6149					P 9/16" - 18 SAE ISO 11926				
13	Options on port LS																			
	A LS open					B LS plugged														

16 17

18

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Type of unloading valve on LS line

I Drain valve	A 12V DIN 43650	G 12V DEUTSCH DT04-2P
L ON-OFF drain valve	B 24V DIN 43650	H 24V DEUTSCH DT04-2P

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Emergency unloading valve on LS line

N None	O Standard terminal	S Manual override with screw
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16 17

Type of pressure relief valve

00 Replacement cap VMP	10 100 bar	16 160 bar	22 220 bar
05 50 bar	11 110 bar	17 170 bar	23 230 bar
06 60 bar	12 120 bar	18 180 bar	24 240 bar
07 70 bar	13 130 bar	19 190 bar	25 250 bar
08 80 bar	14 140 bar	20 200 bar	
09 90 bar	15 150 bar	21 210 bar	

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External treatment

N None	Z Zinc plating
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