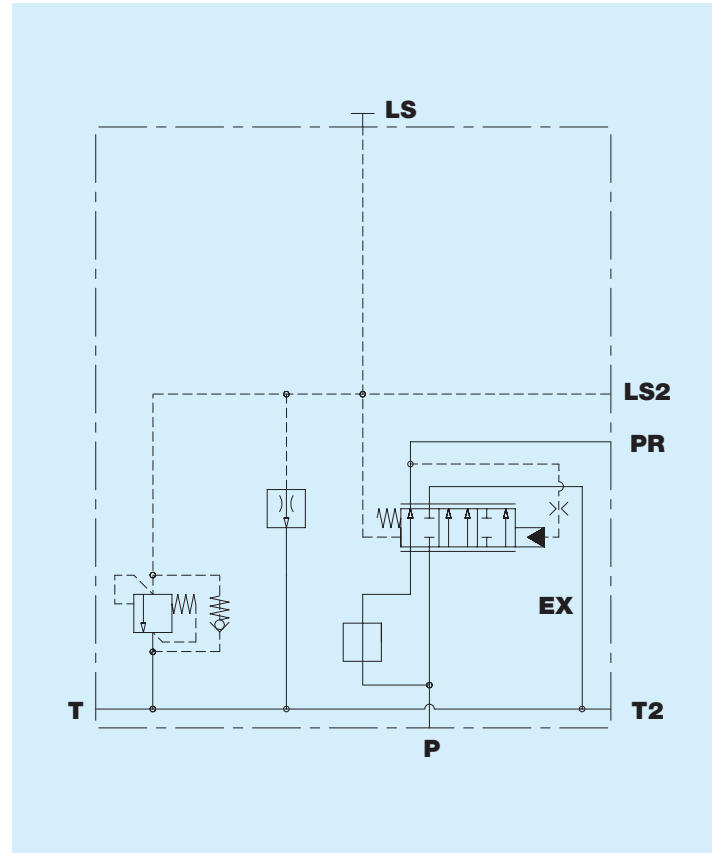


TE10P L.S. Inlet cover with priority
Interface IBW1022 - IBW1033 - IBW0500 - IBW0511 -
Port T - TE10C

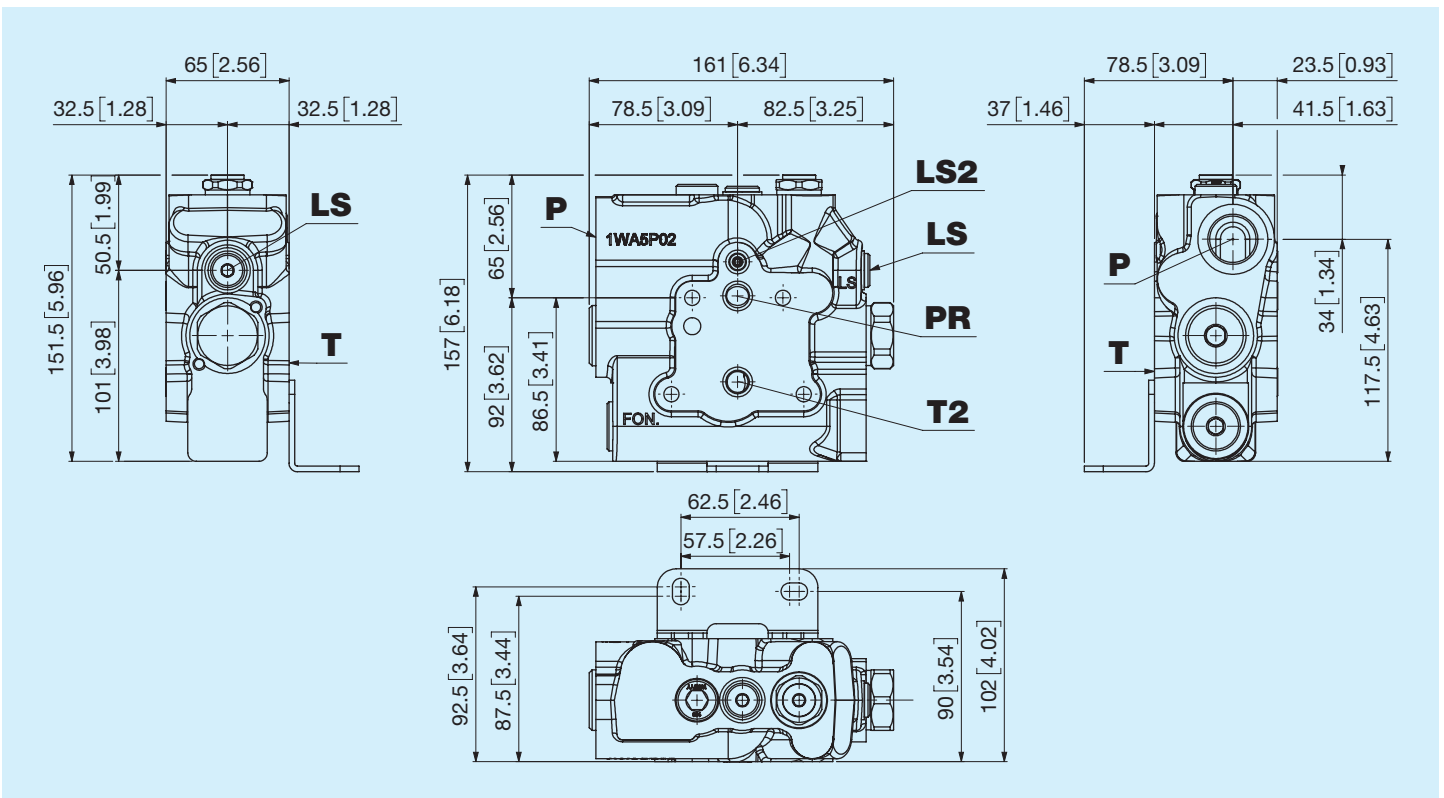


Prior to use, carefully read the document GENERAL USE INSTRUCTIONS FOR
DIRECTIONAL CONTROL VALVES

Nominal flow rate	120 l/min 31.7 US gpm
Regulated nominal flow rate	80 l/min 21.1 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	7 Kg 15.43 lb
Interface	IBW1022 - IBW1033 - IBW0500 - IBW0511 - Port T - TE10C

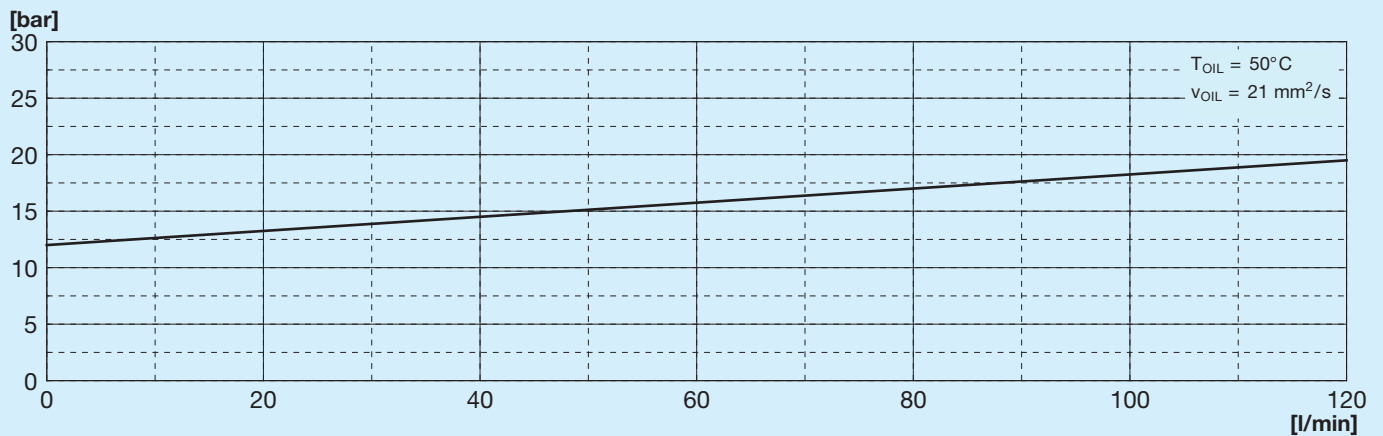


Overall dimensions

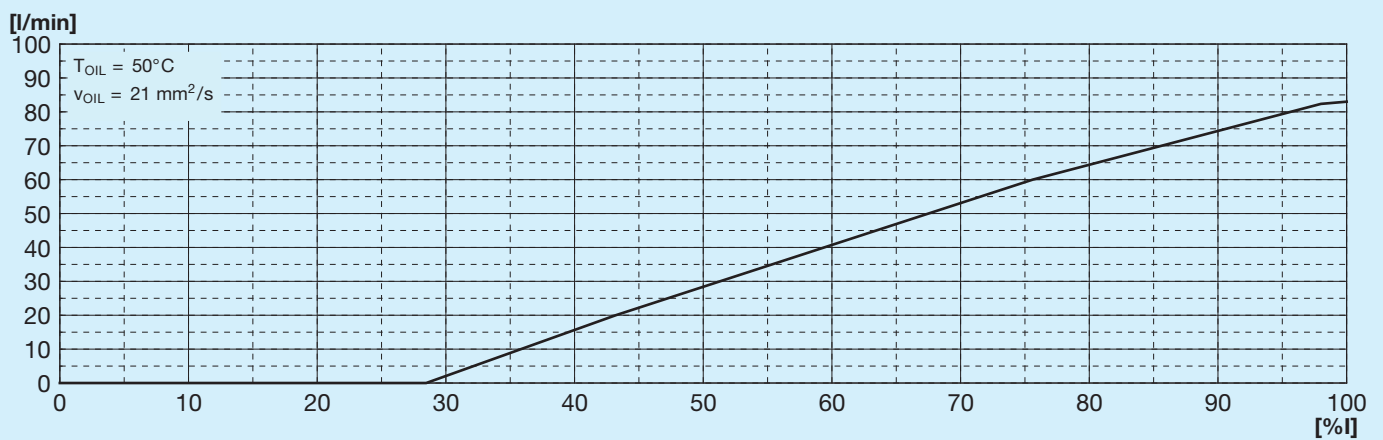


PR = Priority EX = Excess

Pressure drops P - T

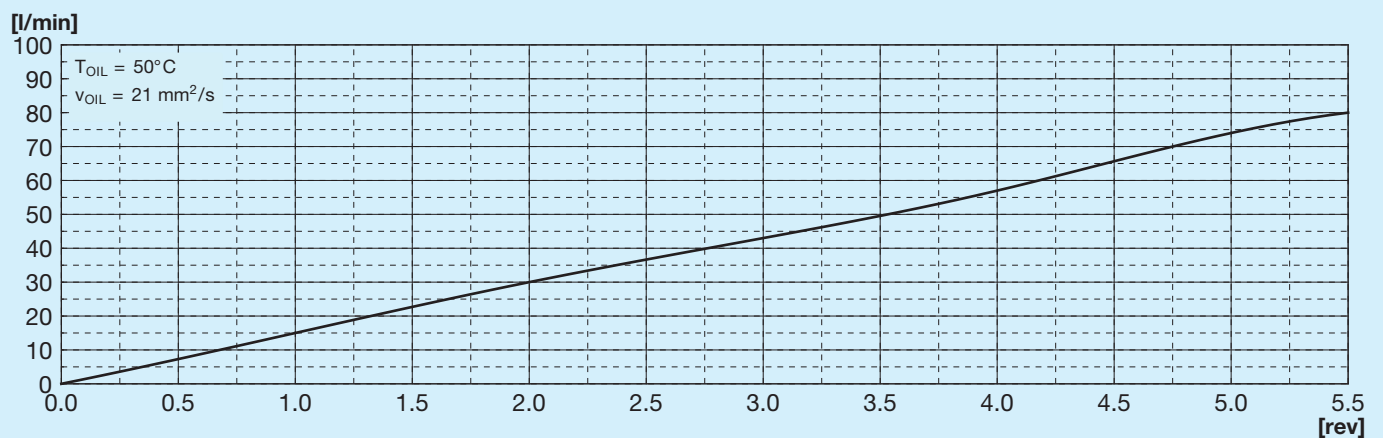


Electro-proportional actuator

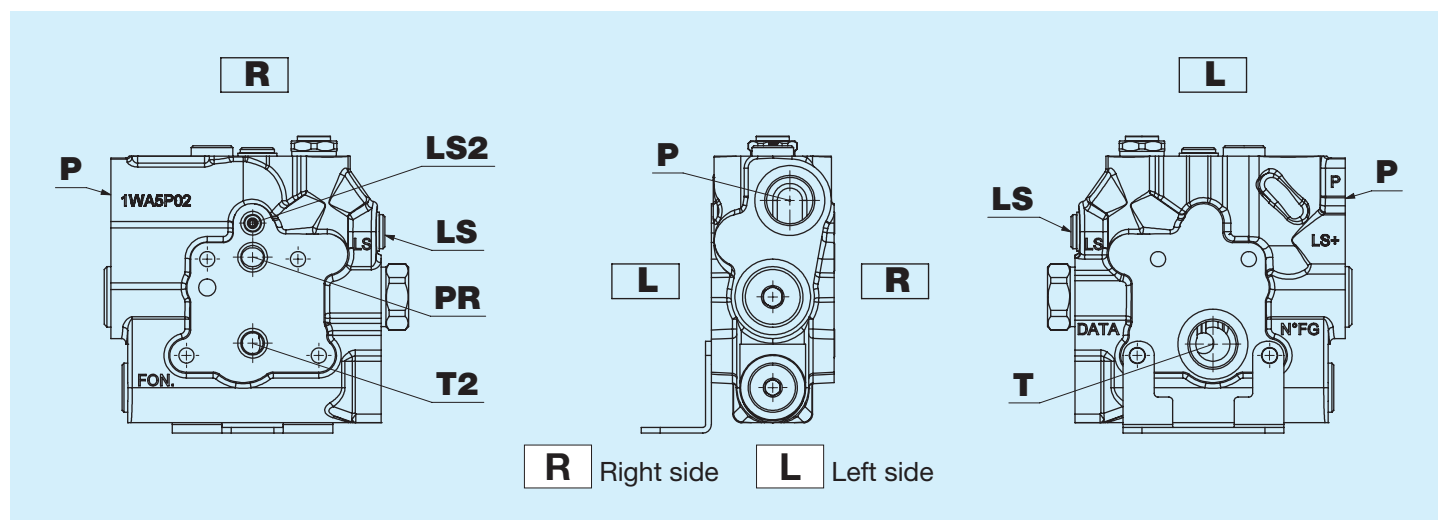


PWM = 100 Hz I Max=2300 mA 12V (± 100 mA) I Max=1200 mA 24V (± 100 mA)

Manual adjustment

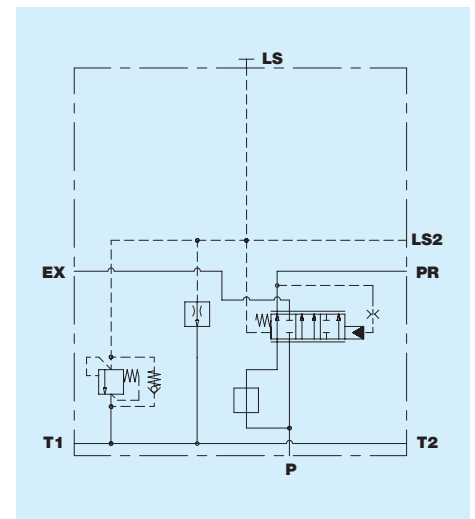
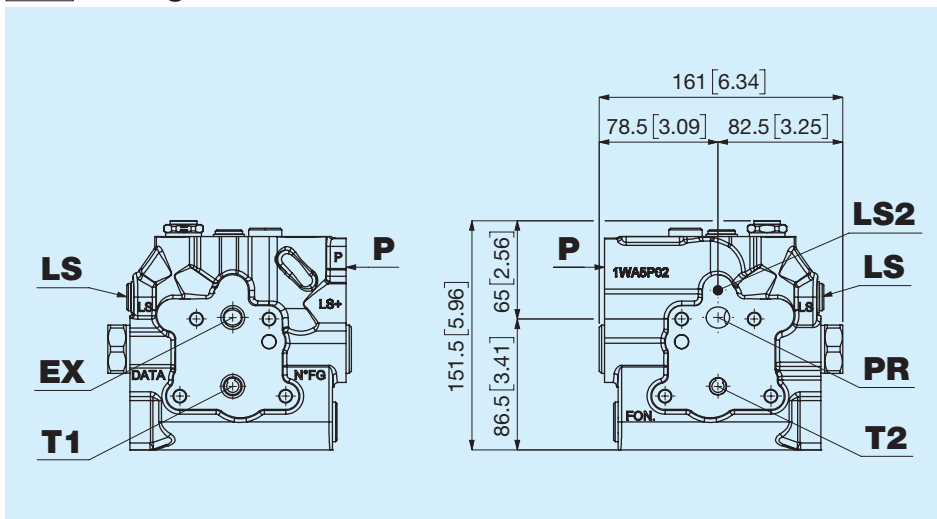


Definition of the right and left side of the cover

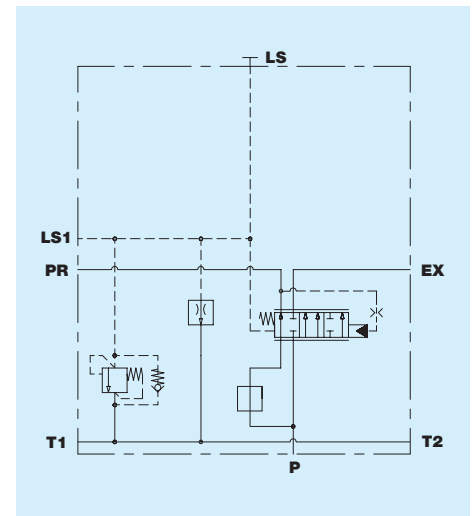
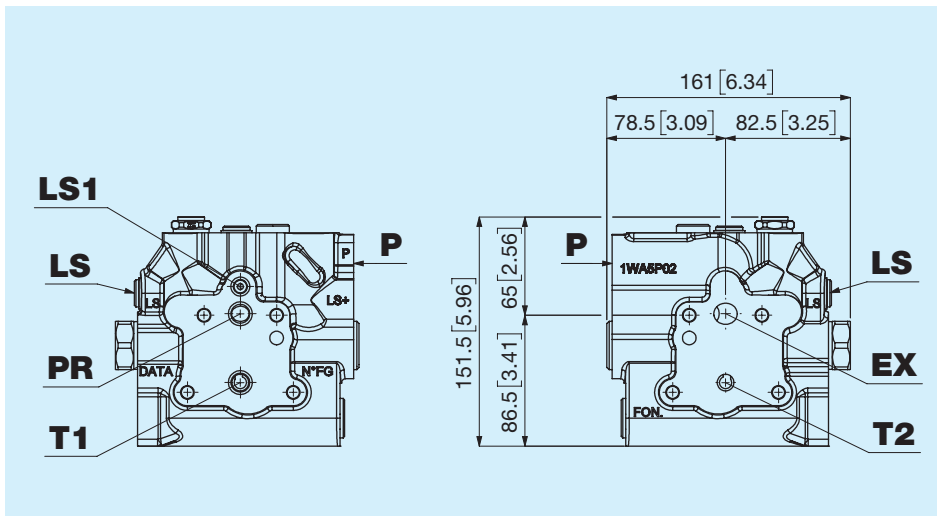


The right and left sides of the cover, as shown in the drawing, are defined with respect to the position of the port P.

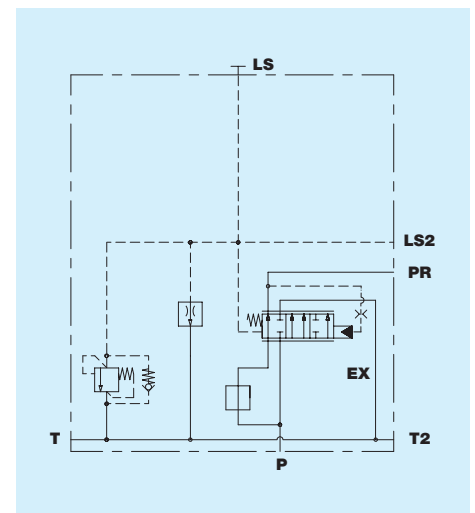
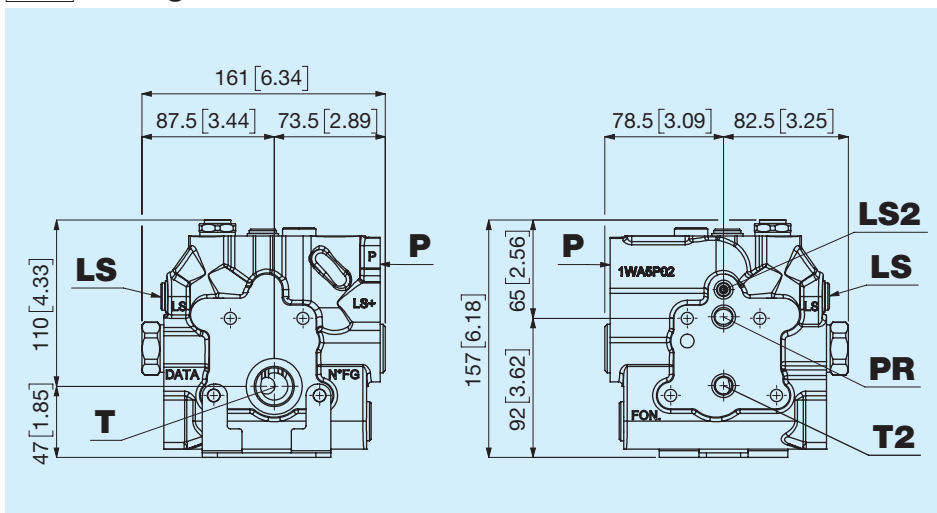
A PR right side - EX left side



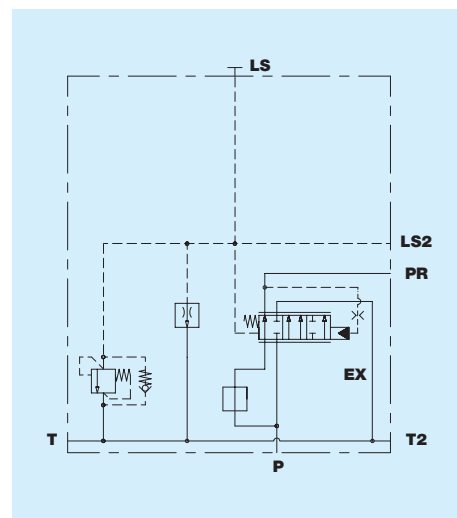
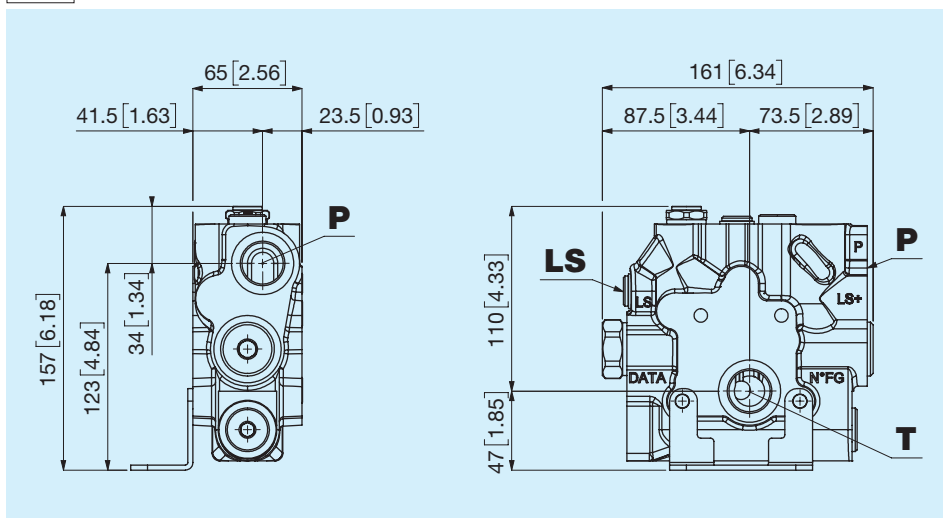
B PR left side - EX right side



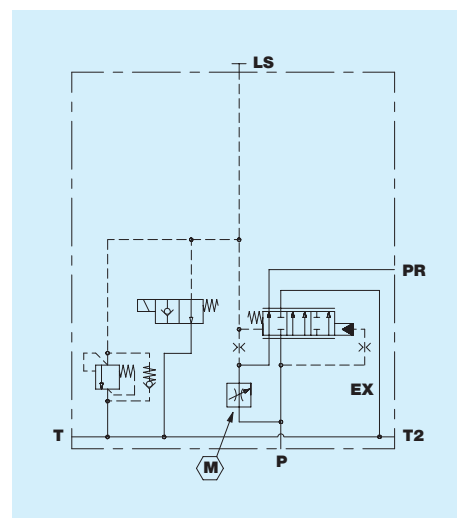
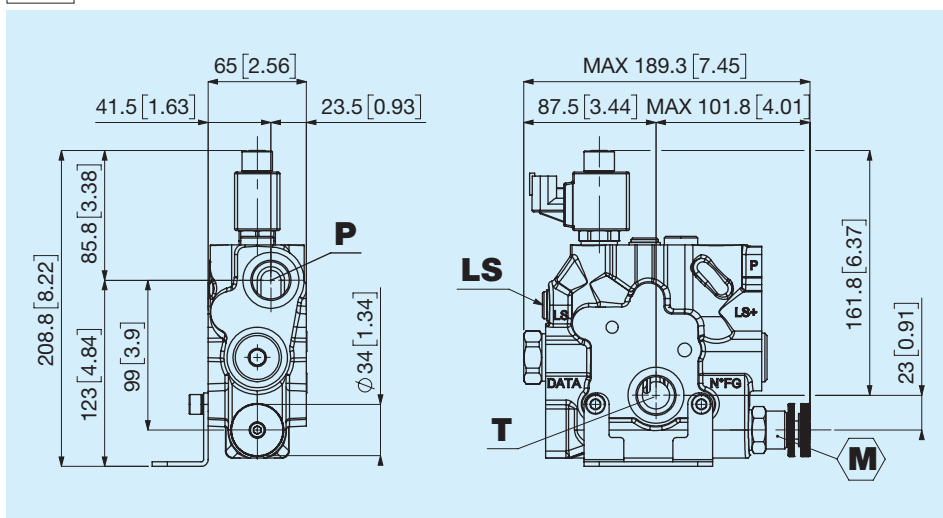
C PR right side - EX to tank



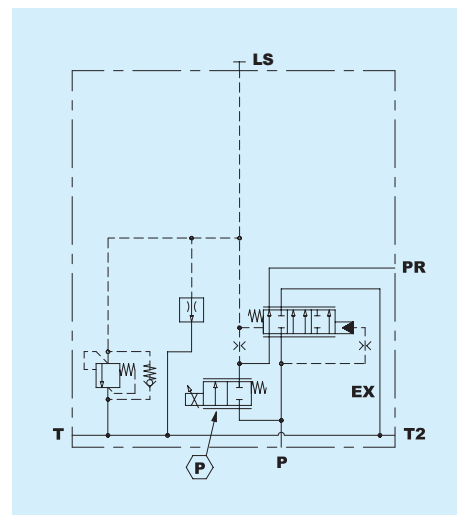
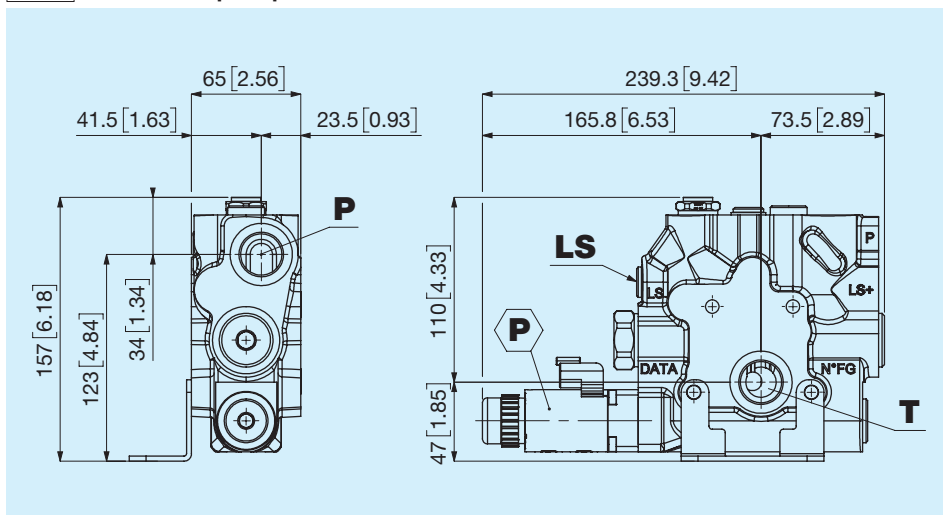
N No actuator



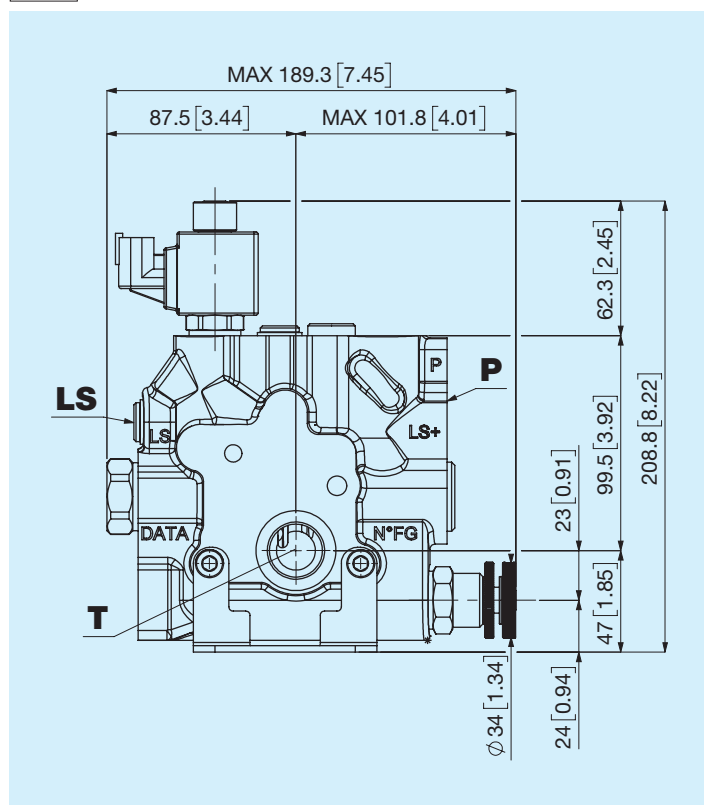
M Manual actuator



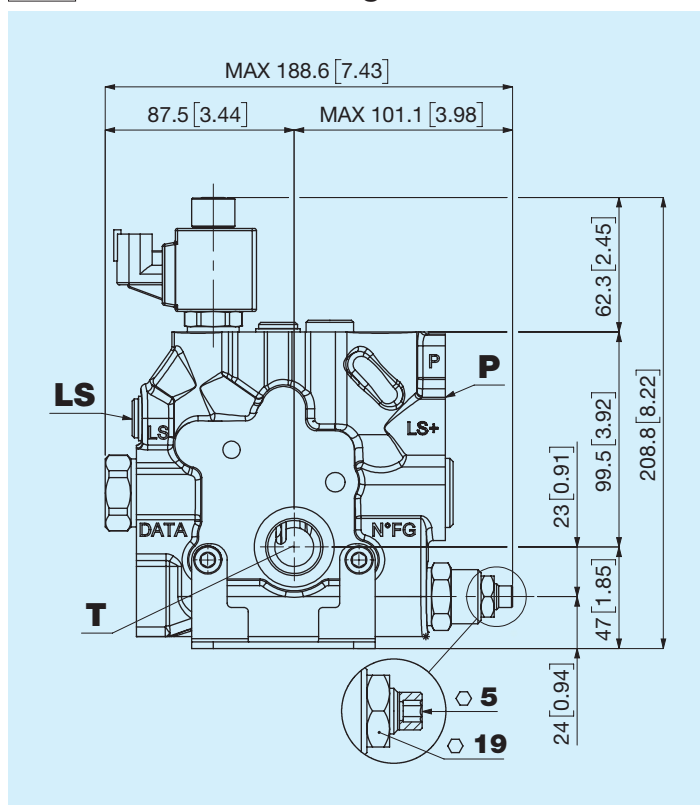
P Electro-proportional actuator



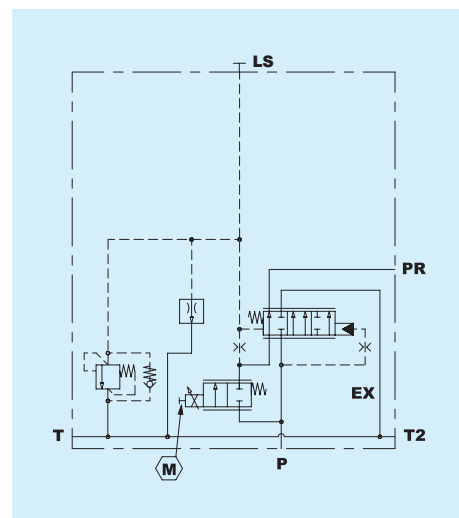
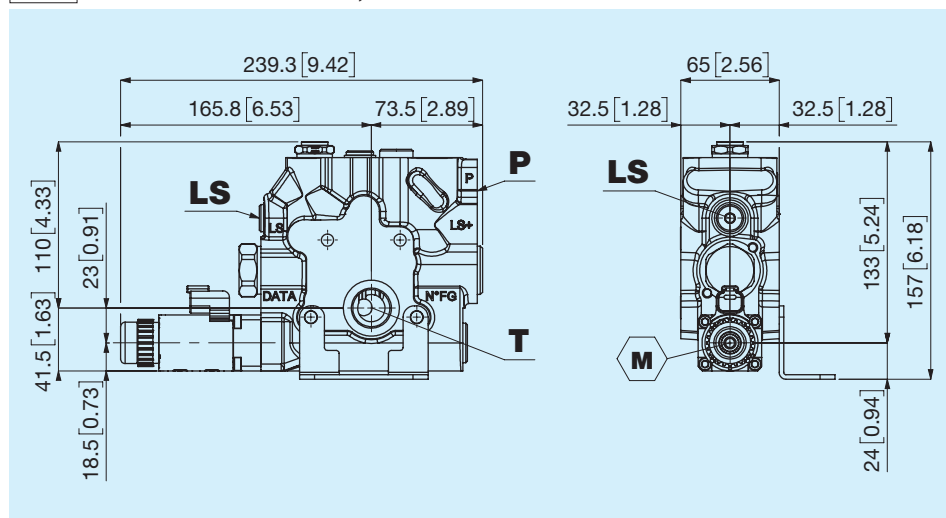
V With handwheel



M Screw with hexagonal Allen head



M Manual override, free-back

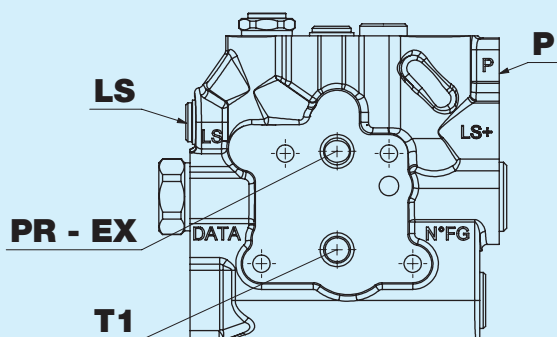


M = Emergency in thrust with free-back

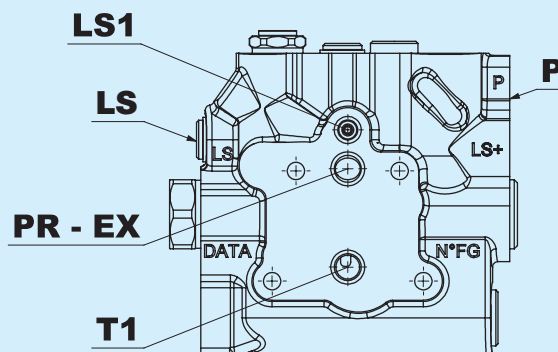
Electrical characteristics of the electro-proportional actuator coil

Voltage	12	24	V ($\pm 10\%$)
Resistance at 20°C	3,67	16,7	$\Omega (\pm 5\%)$
Maximum current	2300	1200	mA (± 100)
PWM	100	100	Hz

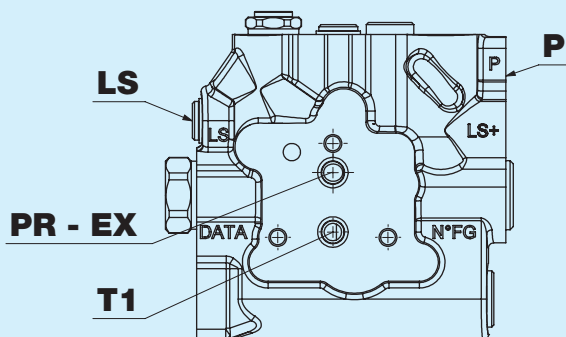
A IBW1022



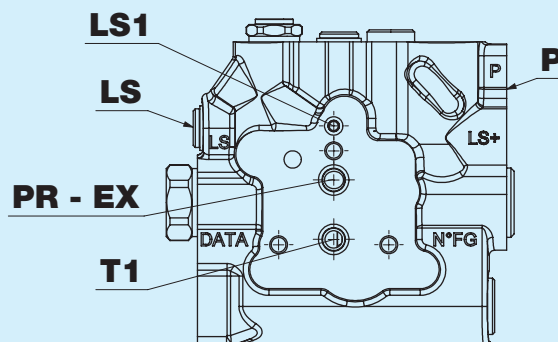
B IBW1033



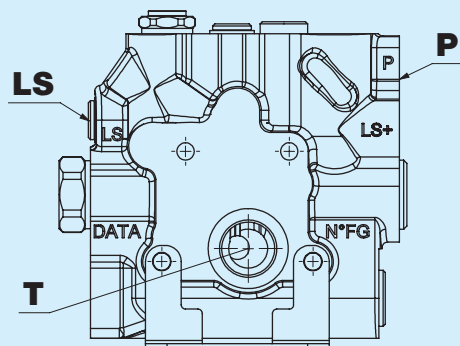
C IBW0500



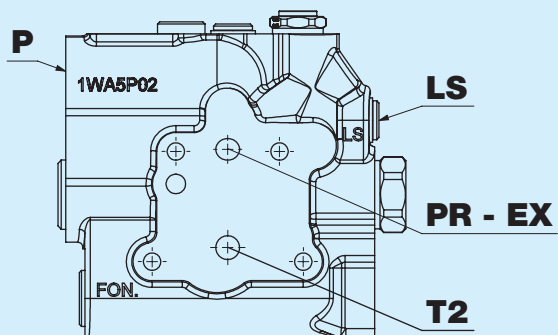
D IBW0511



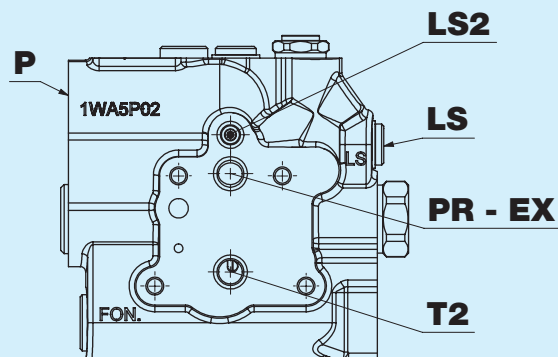
E Port T



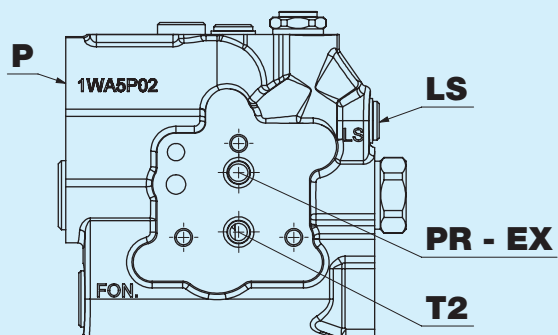
A IBW1022



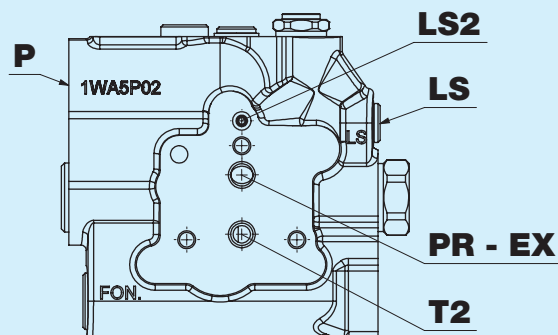
B IBW1033



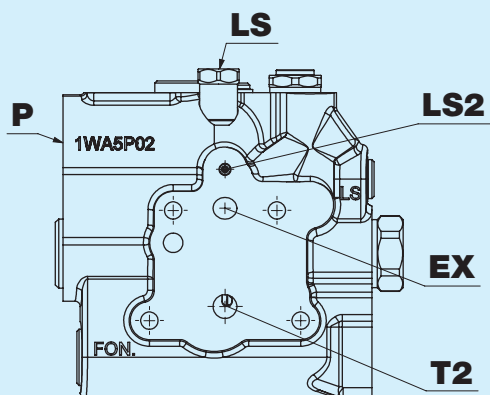
C IBW0500



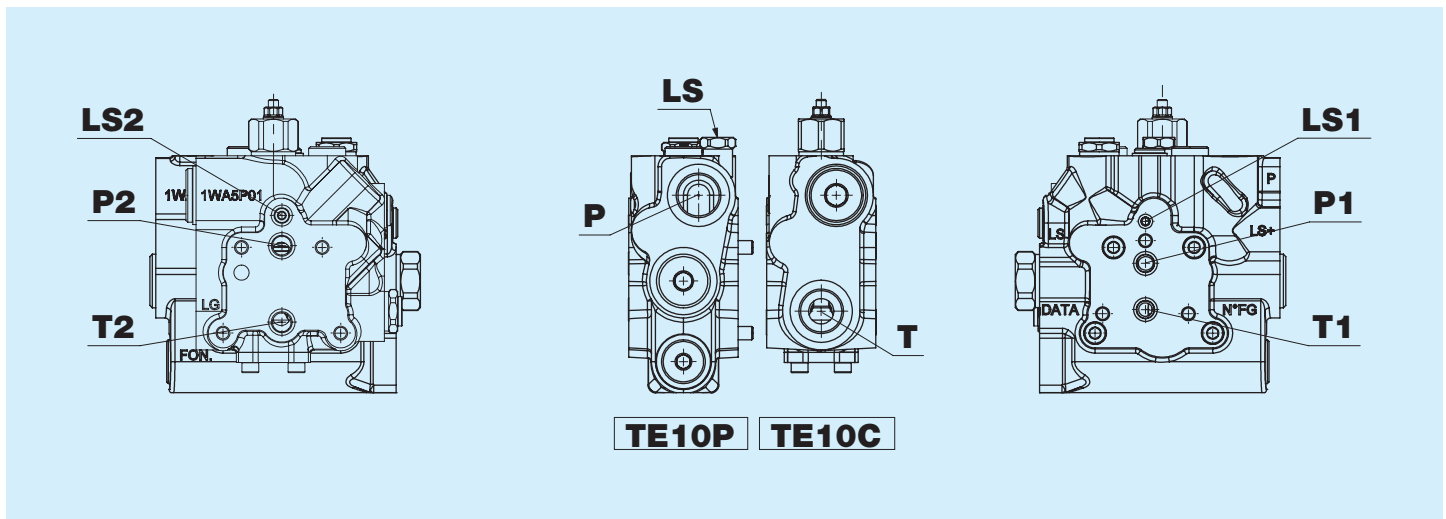
D IBW0511



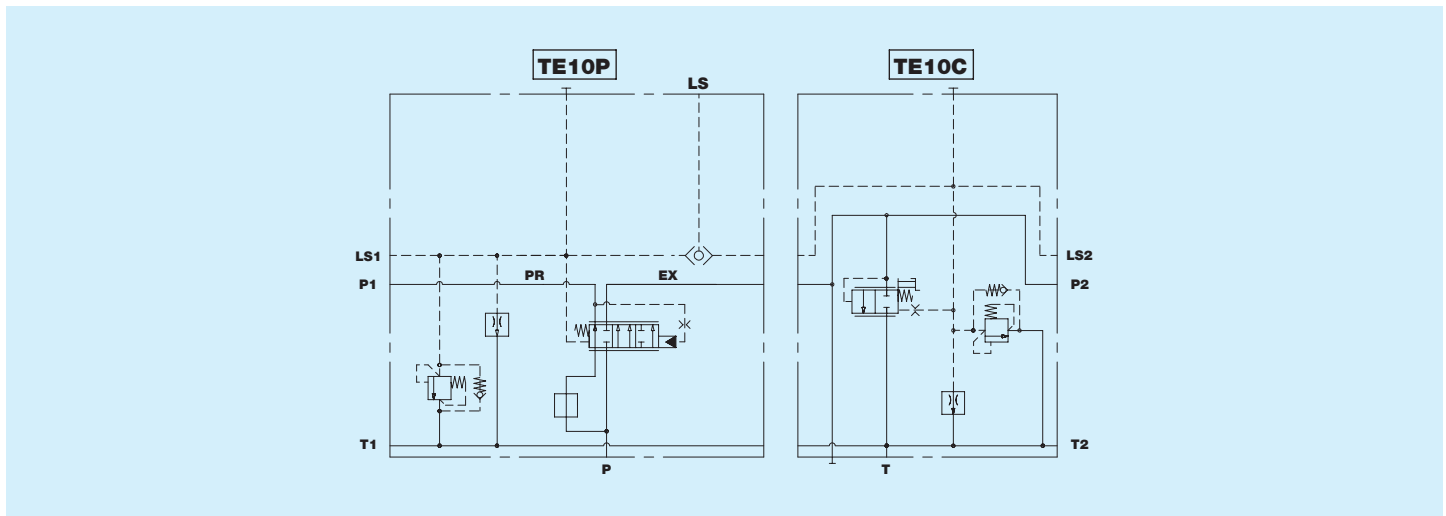
F TE10C



TE10P + TE10C

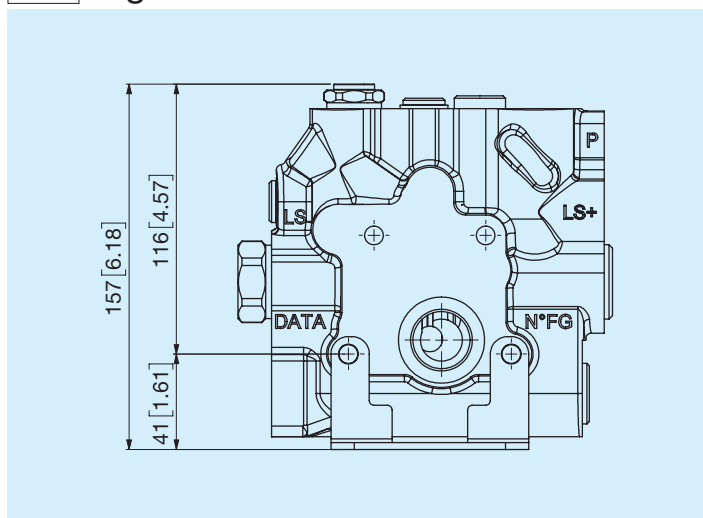


TE10P + TE10C - Hydraulic scheme

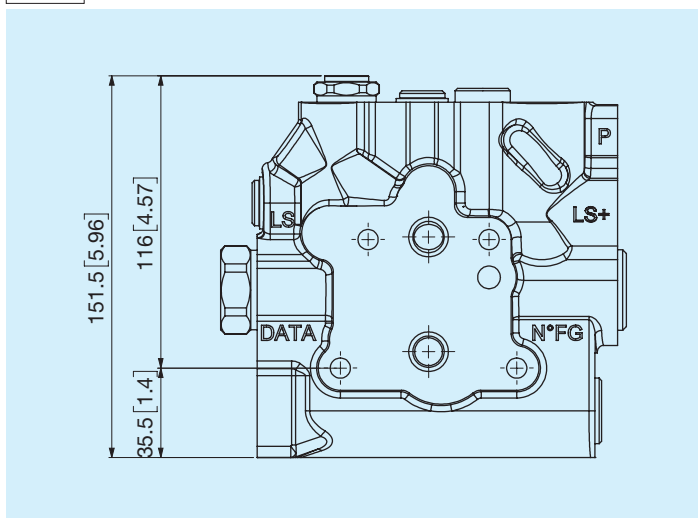


The option with interface **F** makes it possible to combine the priority TE10P cover with the compensated TE10C cover.

H3 High



NN None



Thread port P

Code	Type	Tightening $\pm 10\%$ Nm
B	1/2" GAS ISO 1179	70
F	3/4" GAS ISO 1179	150
N	M22x1.5 ISO 9974	70
J	M22x1.5 ISO 6149	70
5	M27x2 ISO 9974	150
U	M27x2 ISO 6149	150
R	7/8" - 14 SAE ISO 11926	70
V	1" 1/16 - 12 SAE ISO 11926	150

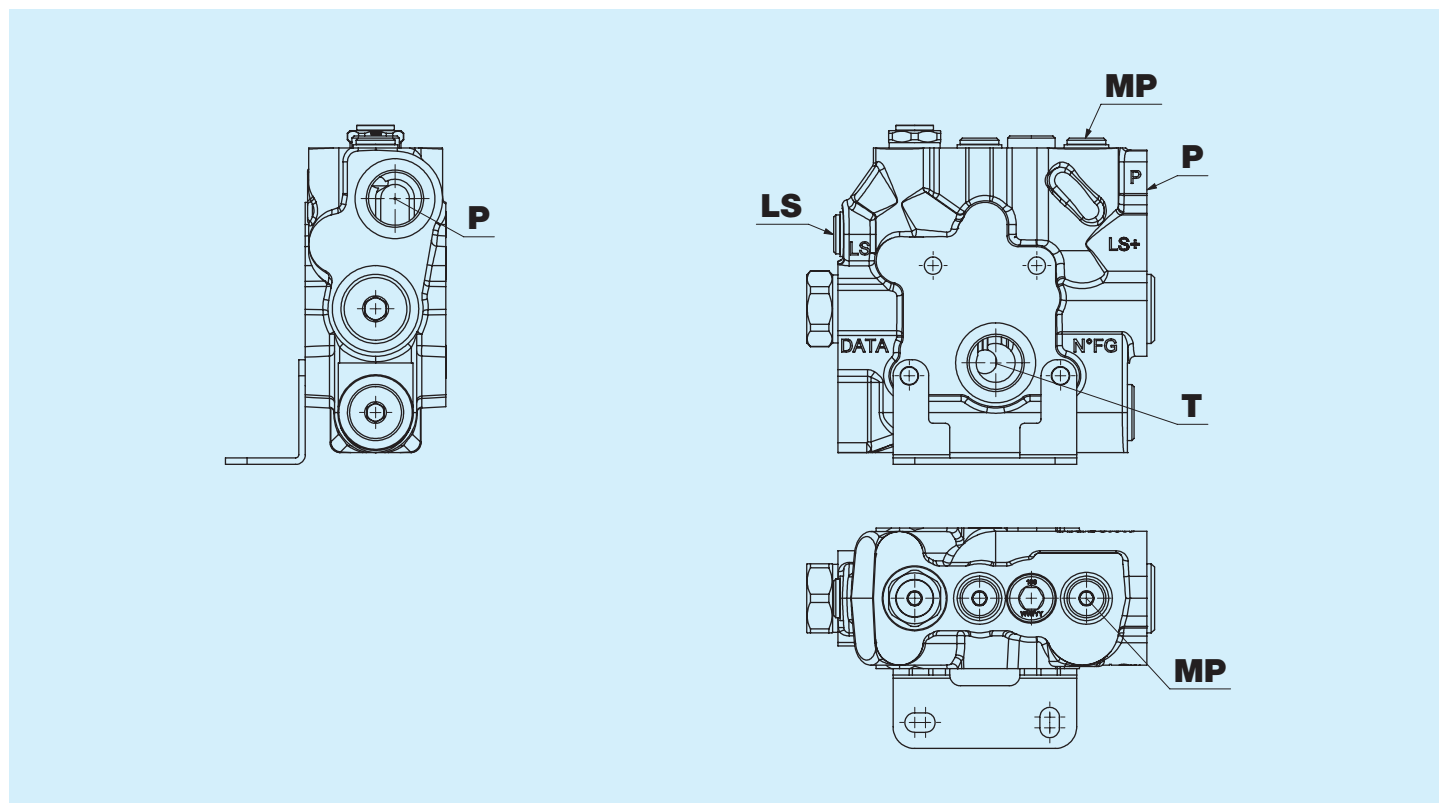
Thread port T

Code	Type	Tightening $\pm 10\%$ Nm
0	None	
With interface E		
B	1/2" GAS ISO 1179	70
F	3/4" GAS ISO 1179	150
N	M22x1.5 ISO 9974	70
J	M22x1.5 ISO 6149	70
5	M27x2 ISO 9974	150
U	M27x2 ISO 6149	150
R	7/8" - 14 SAE ISO 11926	70
V	1" 1/16 - 12 SAE ISO 11926	150

Thread on 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

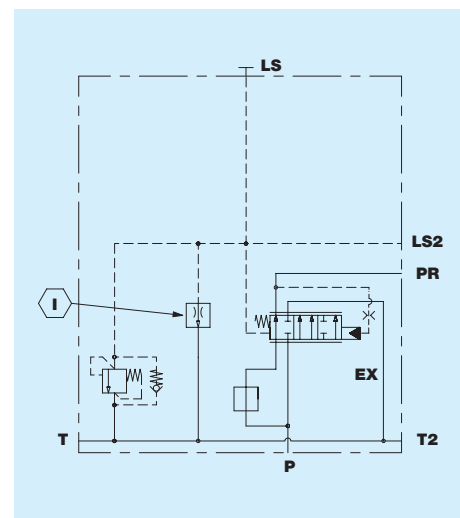
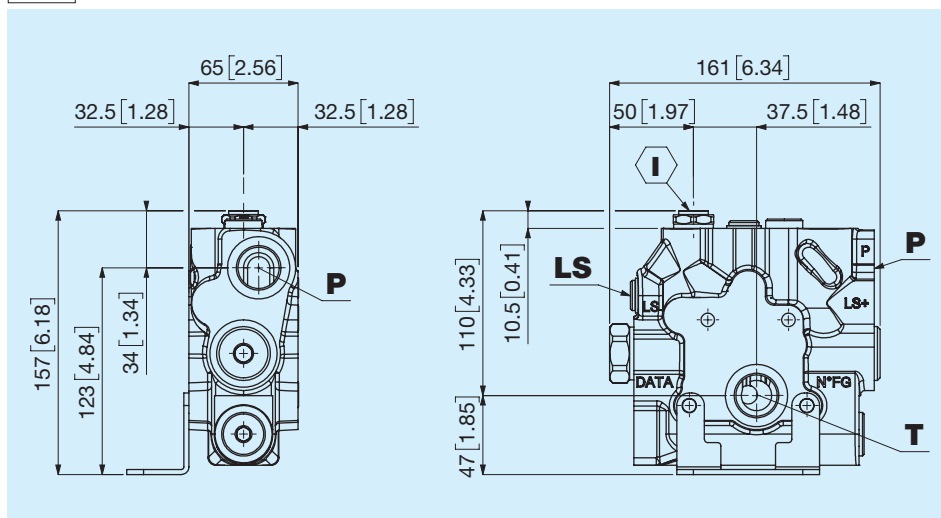
MP - Gauge port



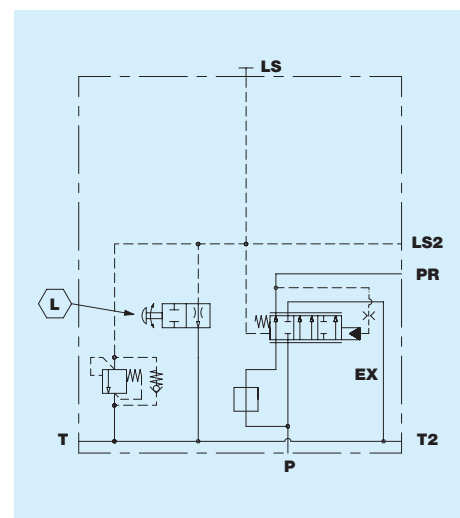
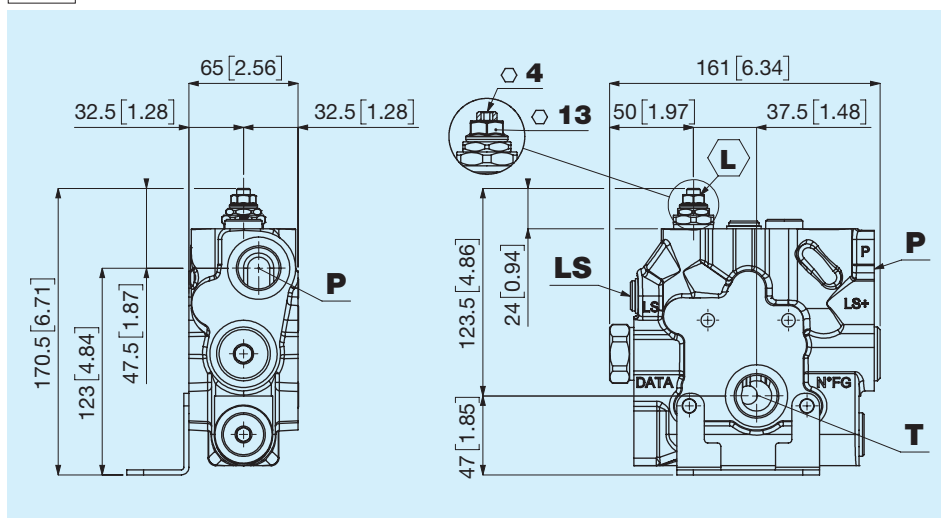
Thread port MP

Code	Type	Tightening $\pm 10\%$ Nm
N	Not machined	
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

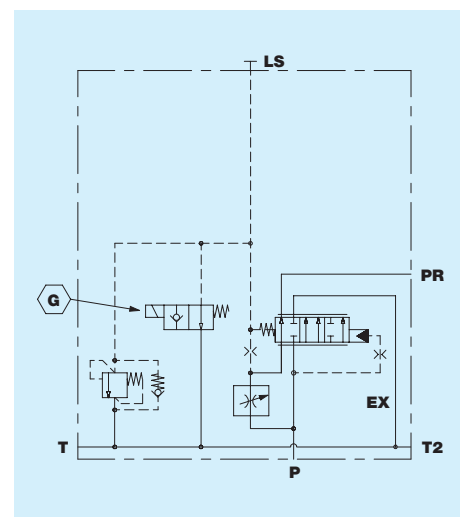
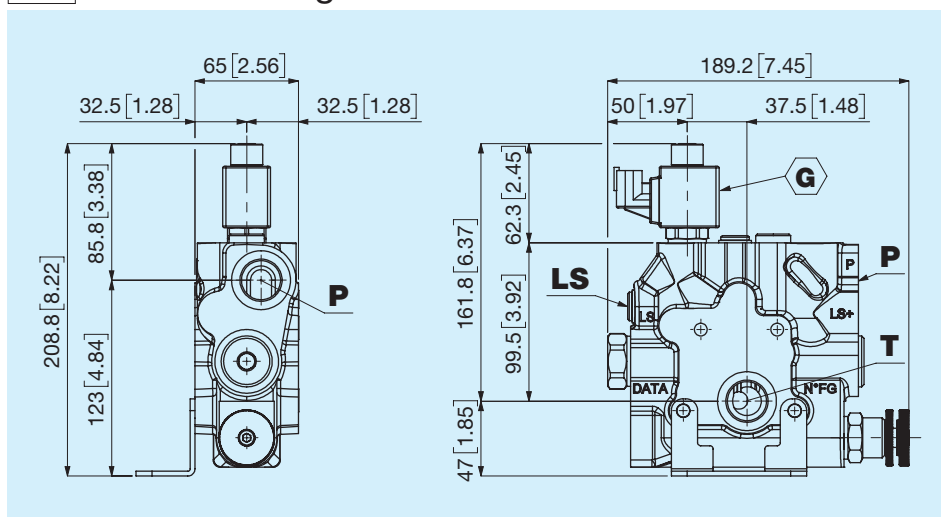
I Drain valve



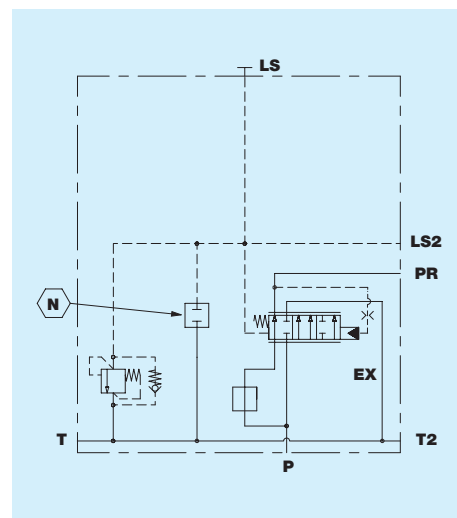
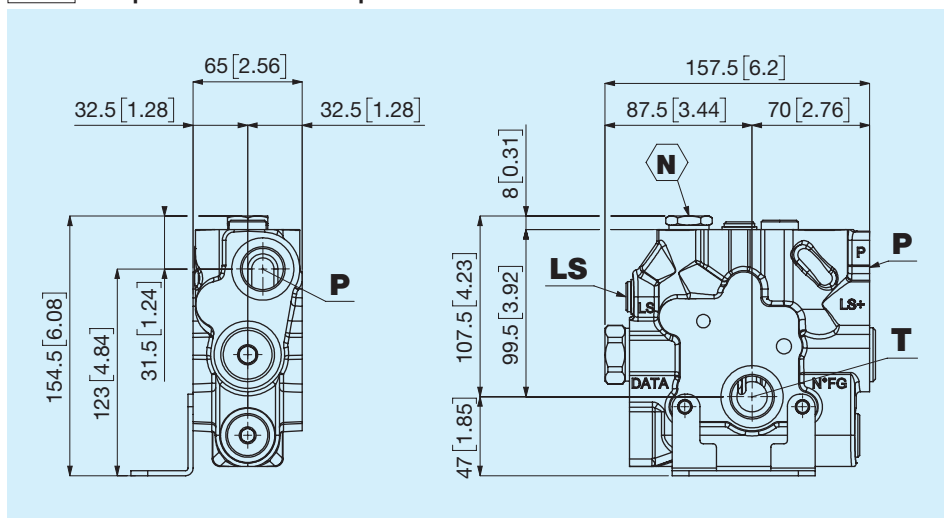
L ON-OFF drain valve



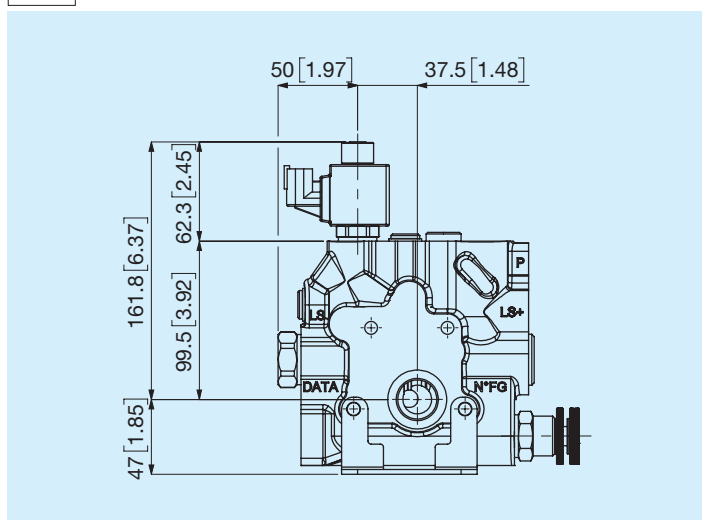
G With unloading valve



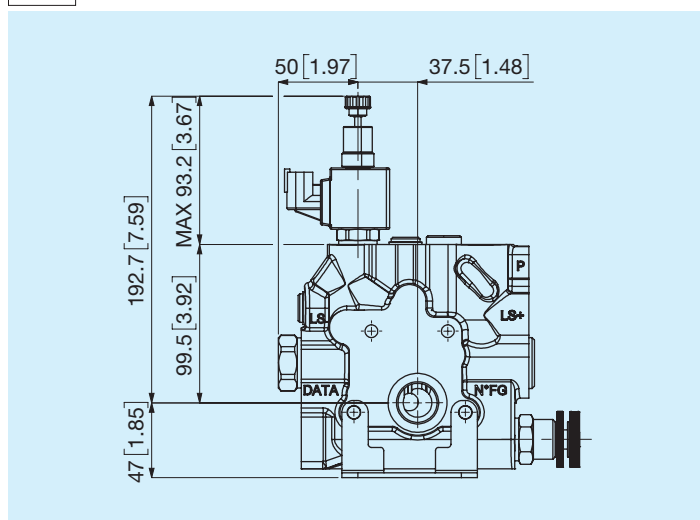
N Replacement cap



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	6	7	8	9	10	11	12	13	14	15
TE10P															
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	Interface left side														
	A IBW1022				C IBW0500				E Port T						
	B IBW1033				D IBW0511										
6	Interface right side														
	A IBW1022				C IBW0500				F TE10C						
	B IBW1033				D IBW0511										
7 8	Bracket height														
	NN None				H3 High										
9	Thread type														
	F Female														
10	Thread port P														
	B 1/2" GAS ISO 1179				N M22x1.5 ISO 9974				5 M27x2 ISO 9974				R 7/8" - 14 SAE ISO 11926		
	F 3/4" GAS ISO 1179				J M22x1.5 ISO 6149				U M27x2 ISO 6149				V 1" 1/16 - 12 SAE ISO 11926		
11	Thread port T														
	0 None				N M22x1.5 ISO 9974				U M27x2 ISO 6149						
	B 1/2" GAS ISO 1179				J M22x1.5 ISO 6149				R 7/8" - 14 SAE ISO 11926						
	F 3/4" GAS ISO 1179				5 M27x2 ISO 9974				V 1" 1/16 - 12 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 LS port														
	A Open				B Plugged										

16

17

18 19

20

14

Thread port MP

N None	3 M14x1.5 ISO 9974	P 9/16" - 18 SAE ISO 11926
L 1/4" GAS ISO 1179	K M14x1.5 ISO 6149	

15

Options on port MP

N None	A Open	B Plugged
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16

Type of LS line unloading valve

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

17

Emergency unloading valve on LS line

N None	O Standard terminal	S Manual override with screw
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18 19

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	

20

External treatment

N None	Z Zinc plating
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