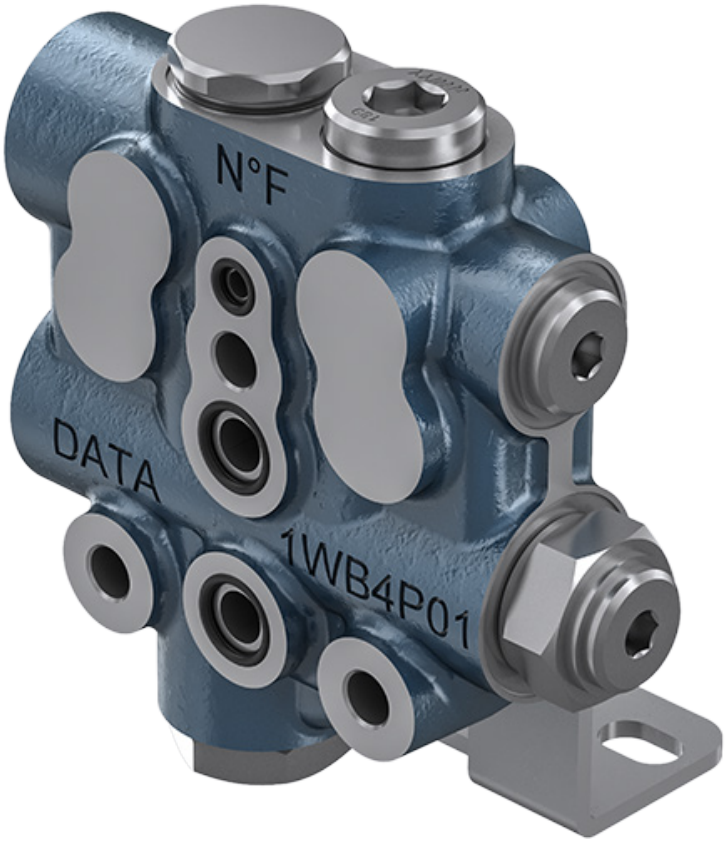
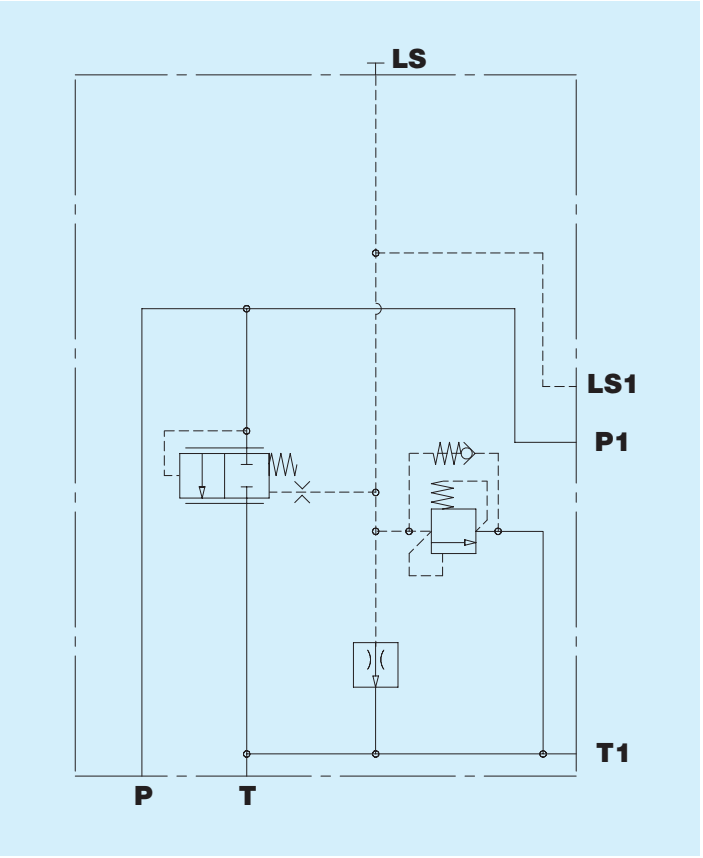
TE05C L.S. Inlet cover with compensator Interface IBW0511

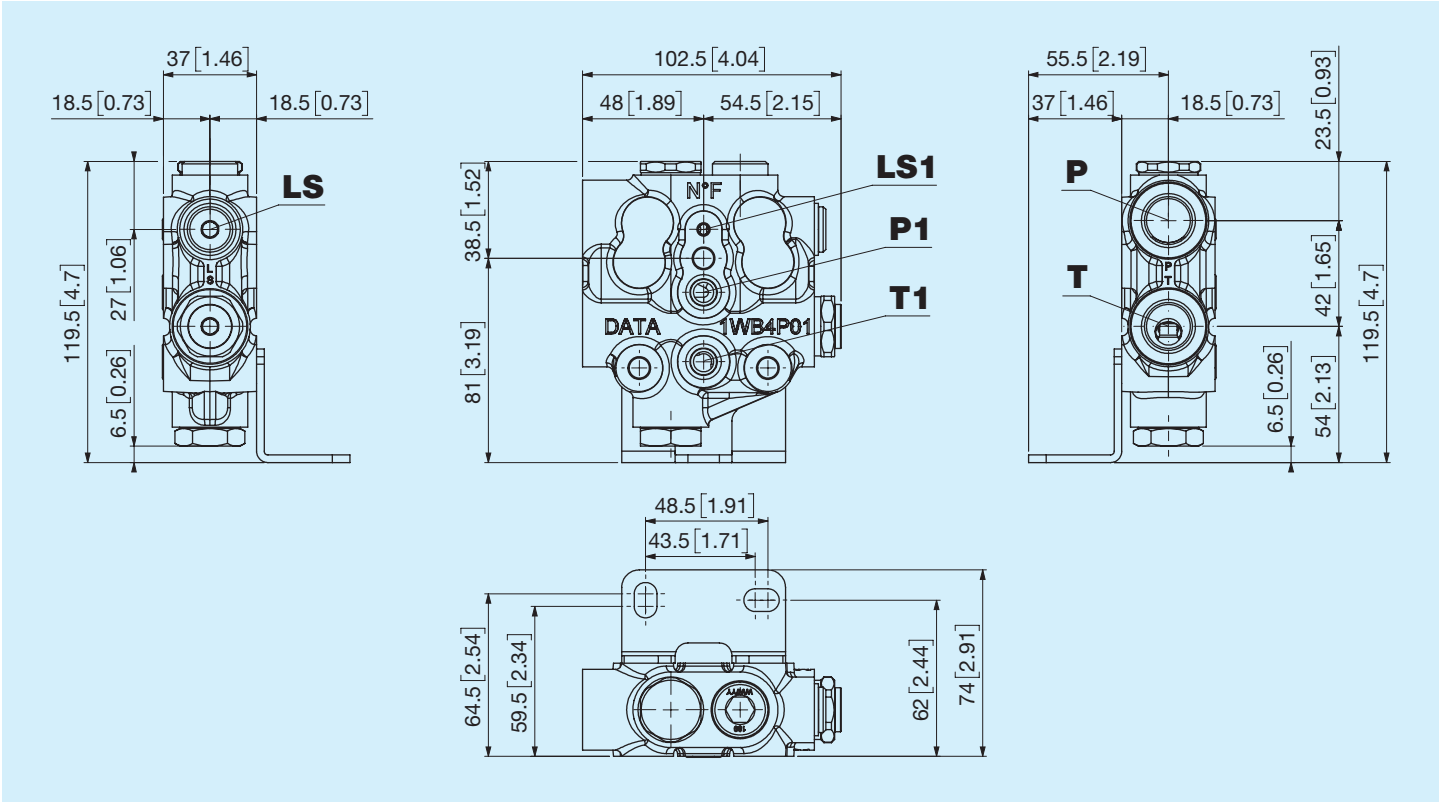


Prior to use, carefully read the document GENERAL USE INSTRUCTIONS FOR DIRECTIONAL CONTROL VALVES

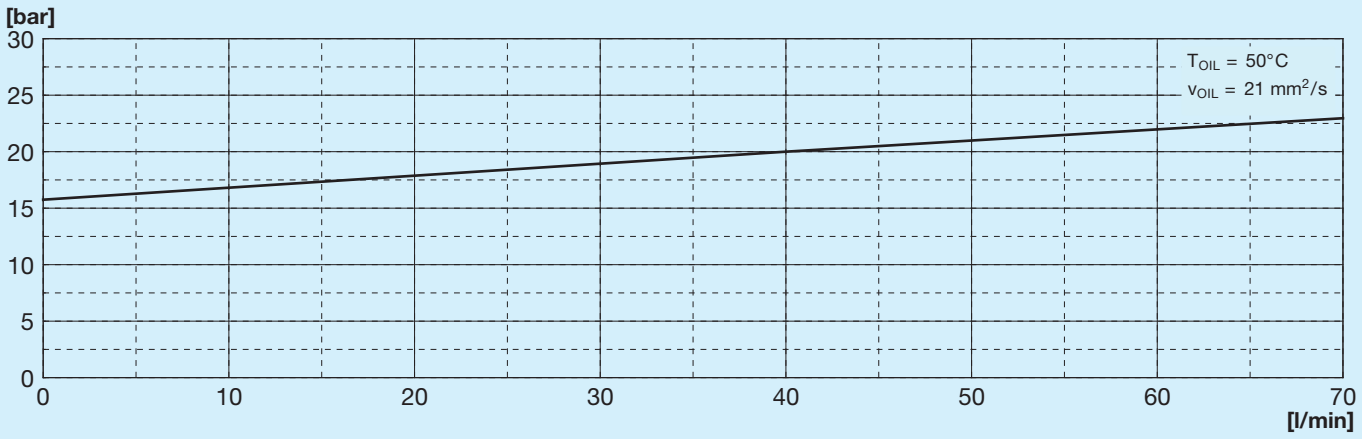
Nominal flow rate	**70 l/min** ***18.48 US gpm***
Nominal pressure	**250 bar** ***3625 psi***
Maximum tank pressure	**50 bar** ***725 psi***
Operating temperature	**-20°C +85°C NBR seals** ***(max peak +100°C)*** ***-20°C + 130°C HNBR seals***
Operating oil viscosity	**from 15 mm²/s to 90 mm²/s** ***(15 cSt to 90 cSt)***
Fluid	**Hydraulic fluids defined by the ISO 6743-4 standard**
Weight	**2 Kg** ***4.4 lb***
Interface	**IBW0511**



Overall dimensions



Pressure drops P - T



Test parameters with standard spring

Thread port P

Code	Type	Tightening ± 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

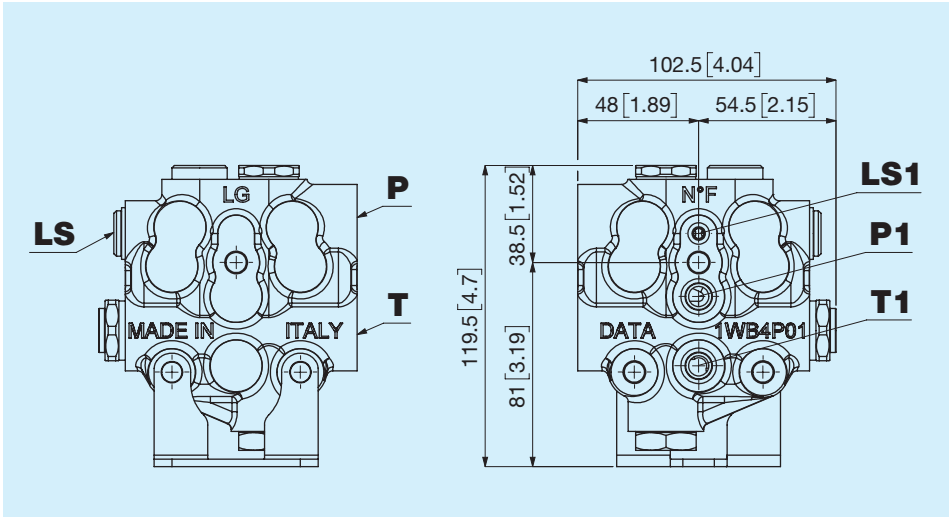
Thread port T

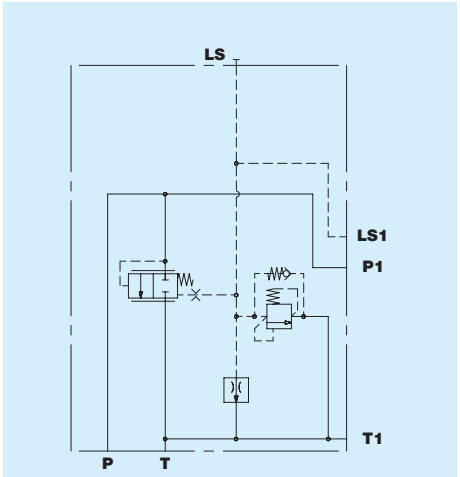
Code	Type	Tightening ± 10% Nm
A	3/8'' GAS ISO 1179	45
B	1/2'' GAS ISO 1179	70
C	M18x1.5 ISO 9974	45
N	M22x1.5 ISO 9974	70
W	M18x1.5 ISO 6149	45
J	M22x1.5 ISO 6149	70
E	3/4'' - 16 SAE ISO 11926	45
R	7/8'' - 14 SAE ISO 11926	70

Thread on port LS

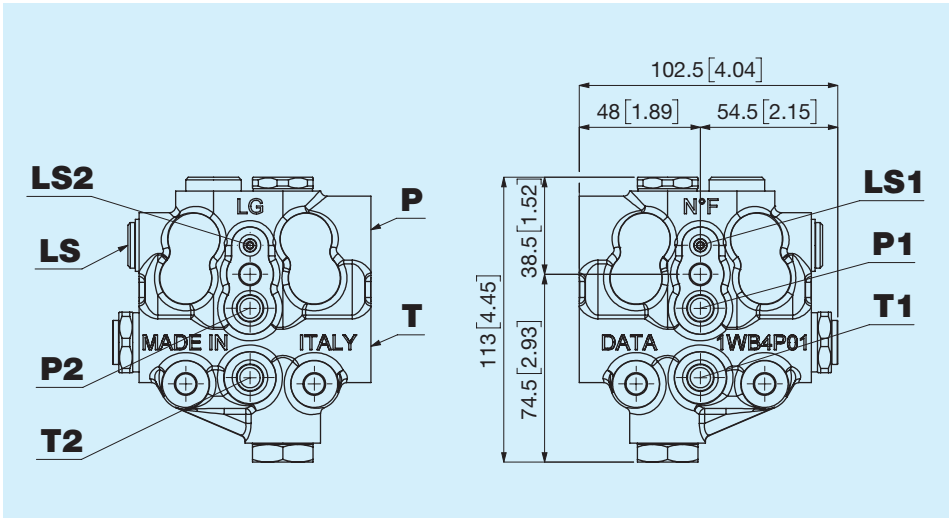
Code	Type	Tightening ± 10% Nm
L	1/4'' GAS ISO 1179	27
3	M14x1.5 ISO 9974	27
K	M14x1.5 ISO 6149	27
P	9/16'' - 18 SAE ISO 11926	27

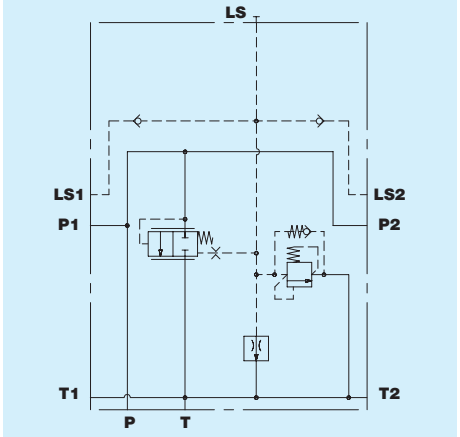
S Standard



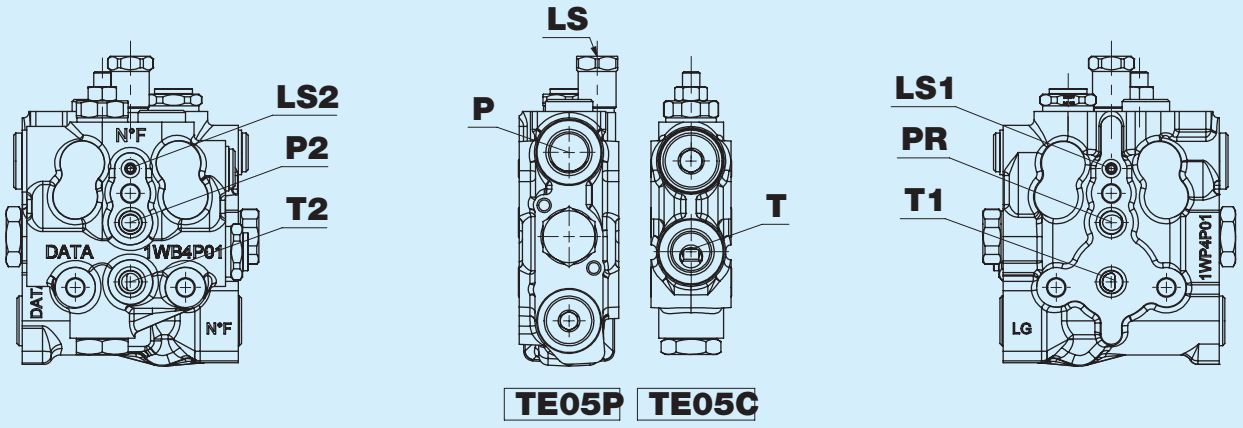


A P-T-LS through

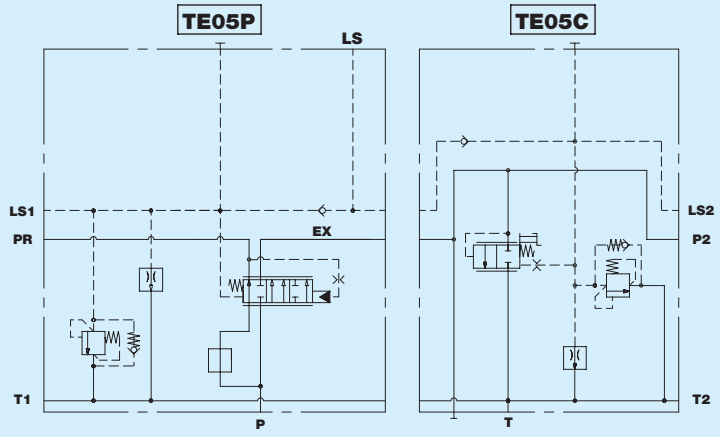




B With TE05P

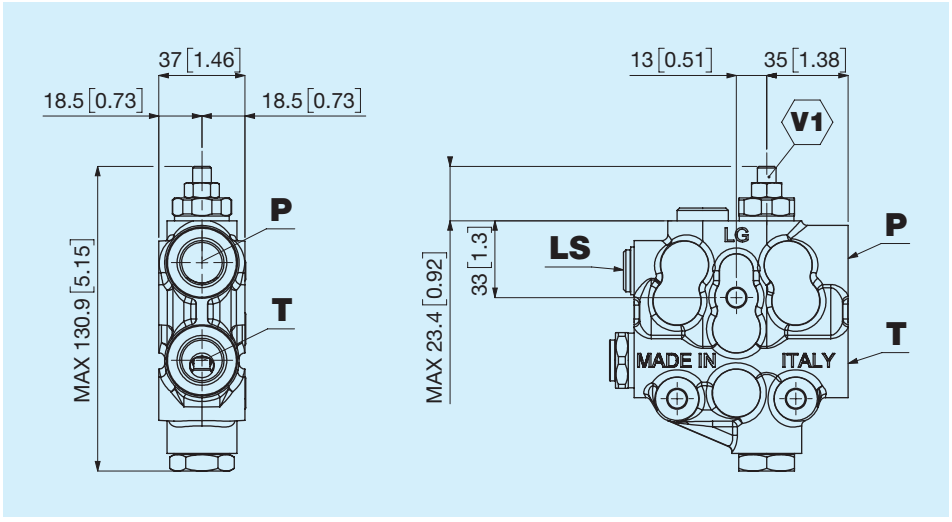


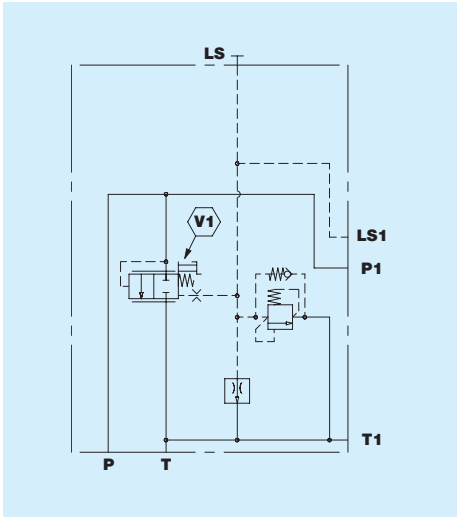
TE10P + TE10C - Hydraulic scheme



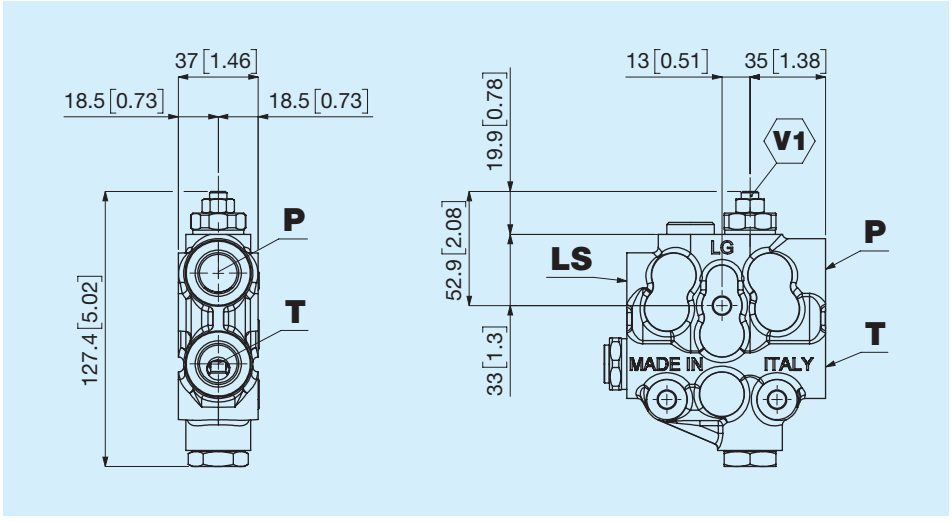
Option **B** allows the TE05P cover to be combined with the compensated cover TE05C.
In the event of an LS pump, this should be provided with a drain valve to prevent the LS line from remaining under pressure, or install a shuttle valve or an external drain valve in the LS line.

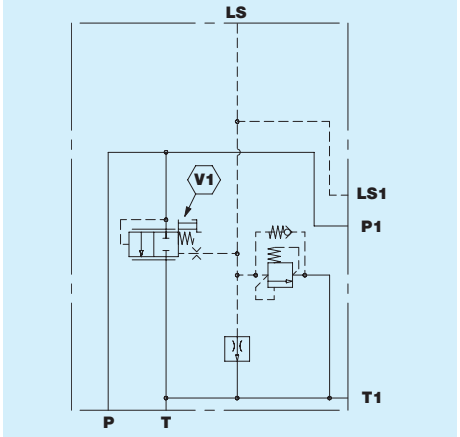
Open Centre - Fixed Pump





Closed Centre - Load sensing Pump

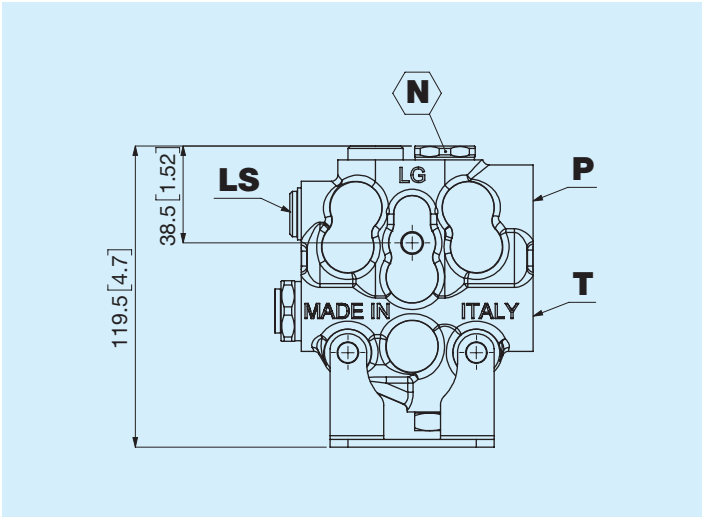




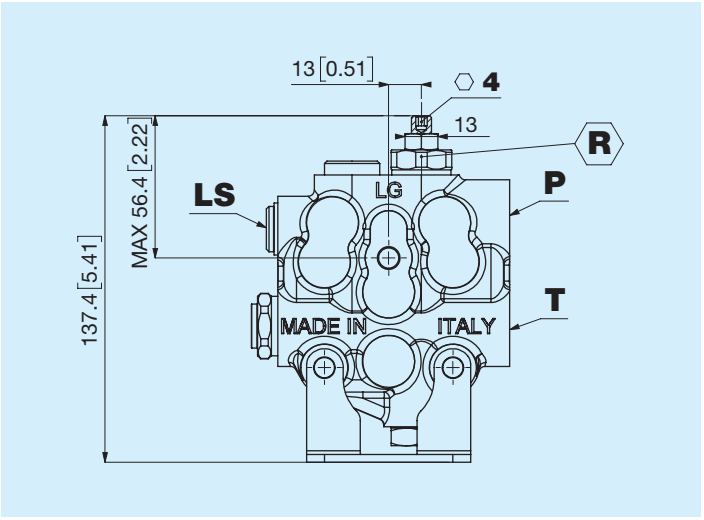
For Closed Centre - LS Pump configuration, tighten the screw V1 clockwise to end limit. For Open Centre - Fixed rnPump configuration, unscrew the screw V1 counter clockwise to end limit.

Main Compensator option

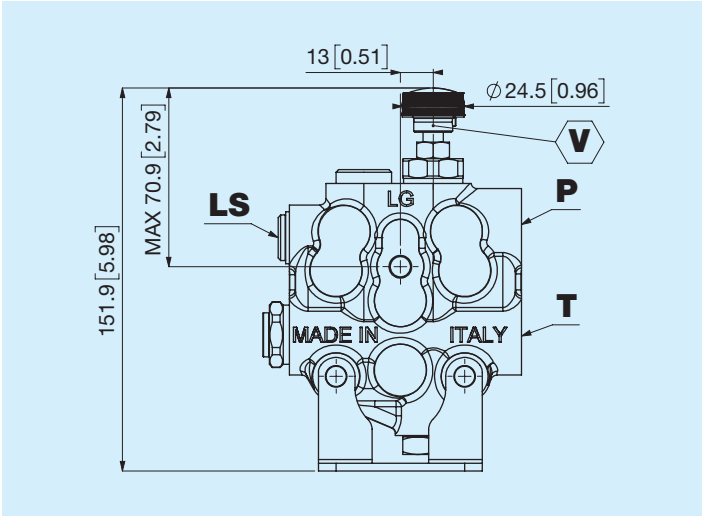
N None



R Regulation with grub screw

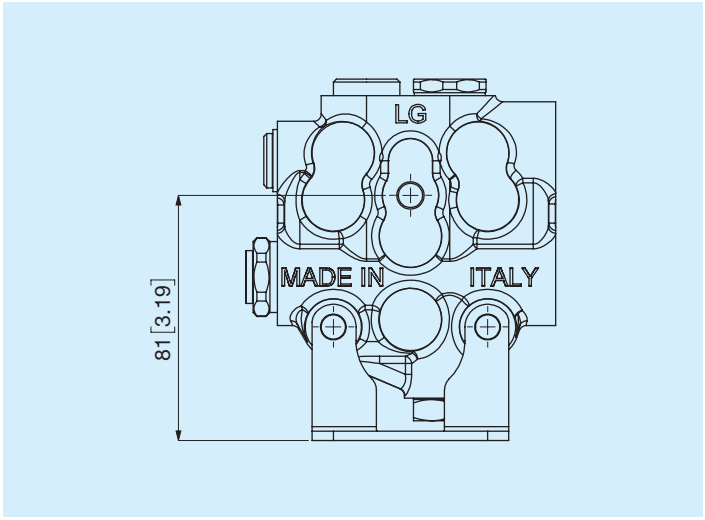


V Regulation with handwheel

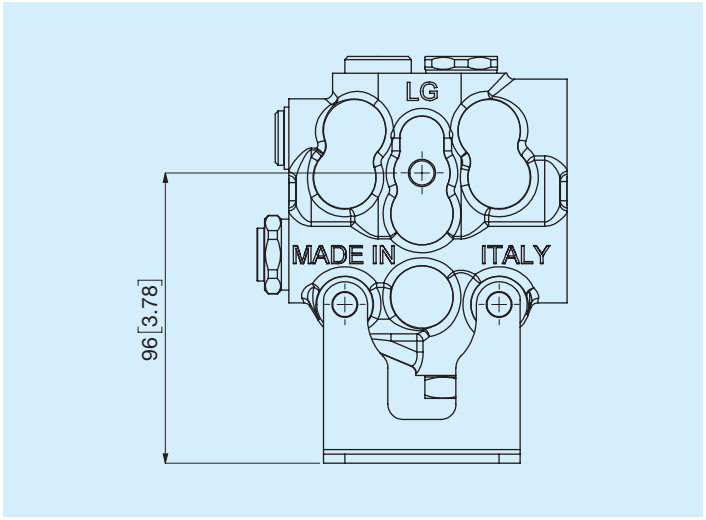


Bracket height

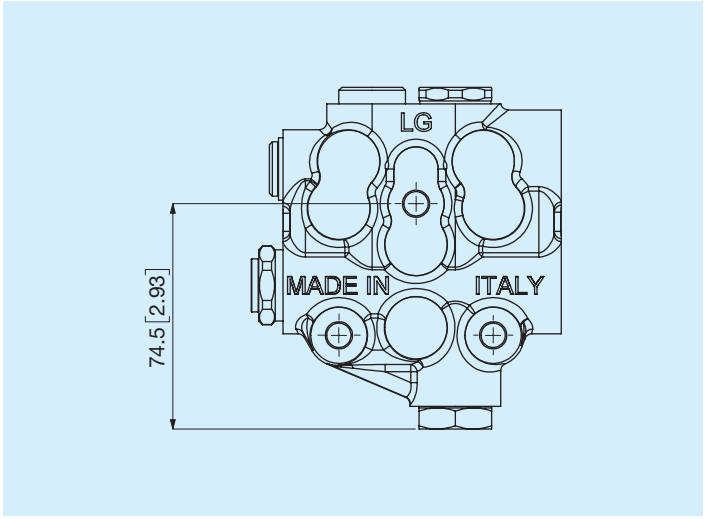
H2 Standard



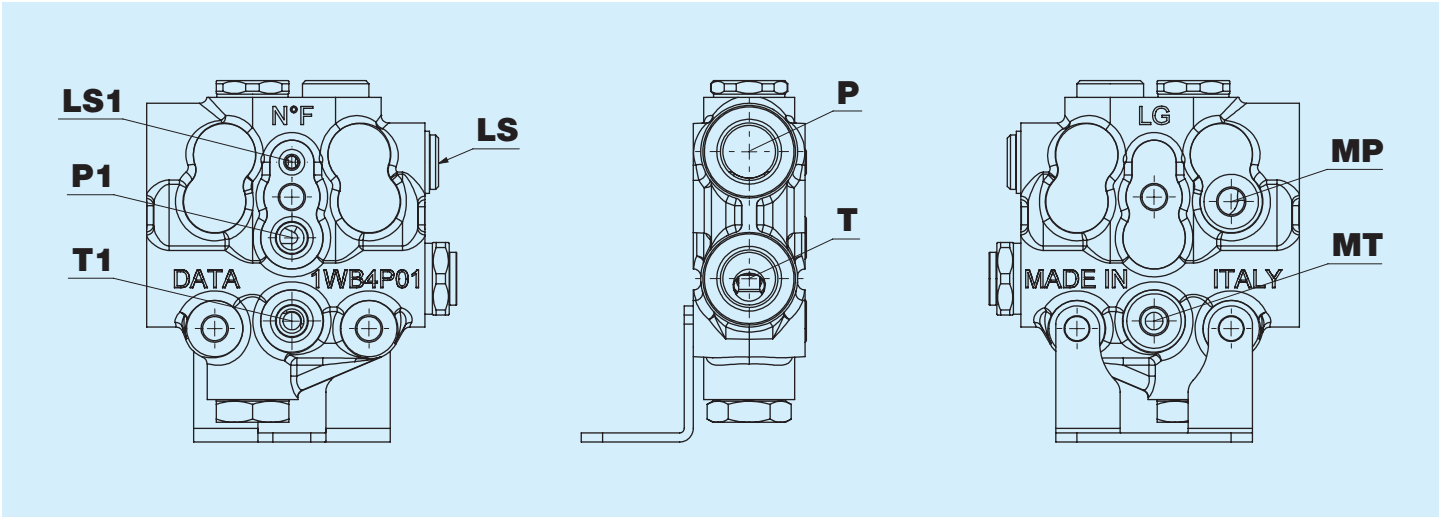
H3 High



NN None



MP and MT - Gauge ports

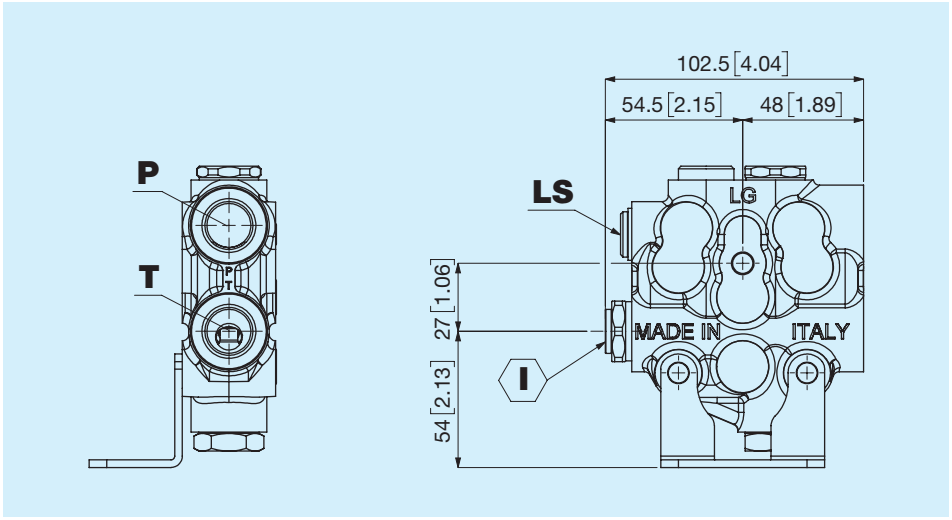


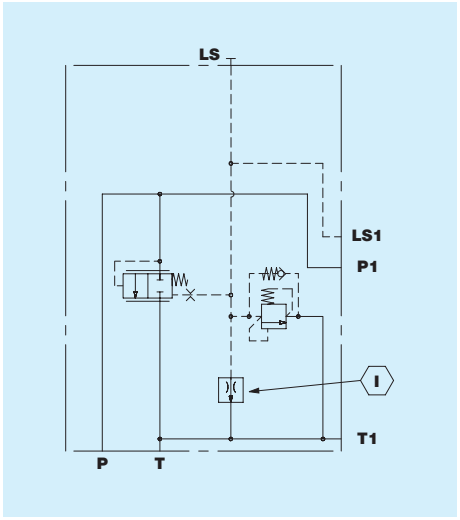
Thread ports MP and MT

Code	Type	Tightening ± 10% Nm
N	Not machined	
Q	1/8'' GAS ISO 1179	12

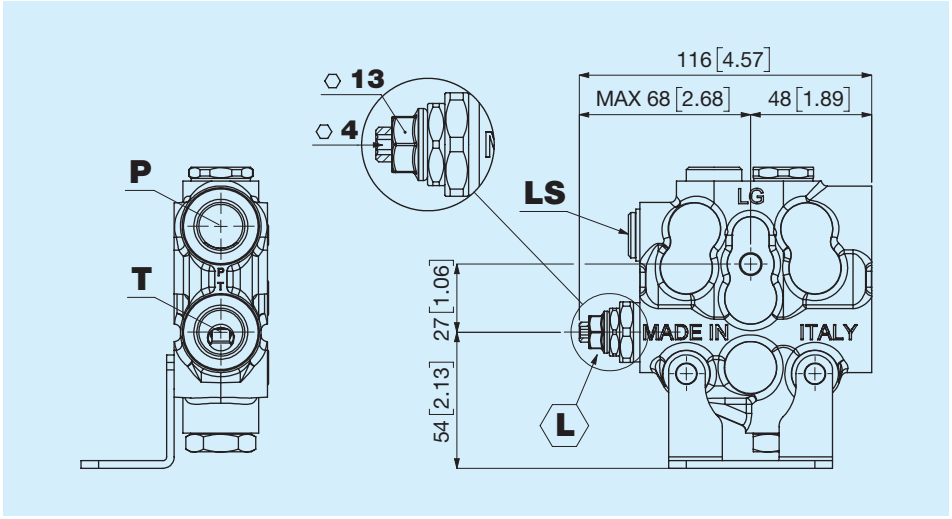
Type of unloading valve on LS line

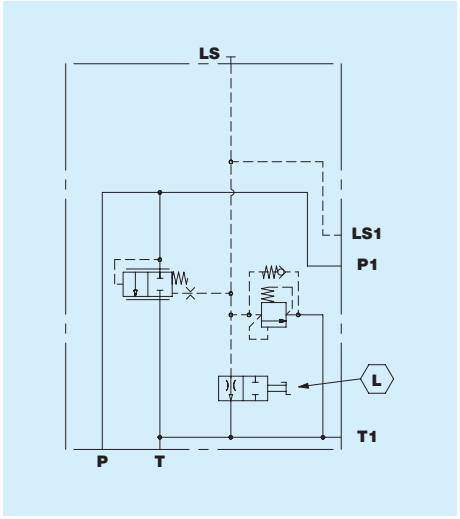
I Drain valve





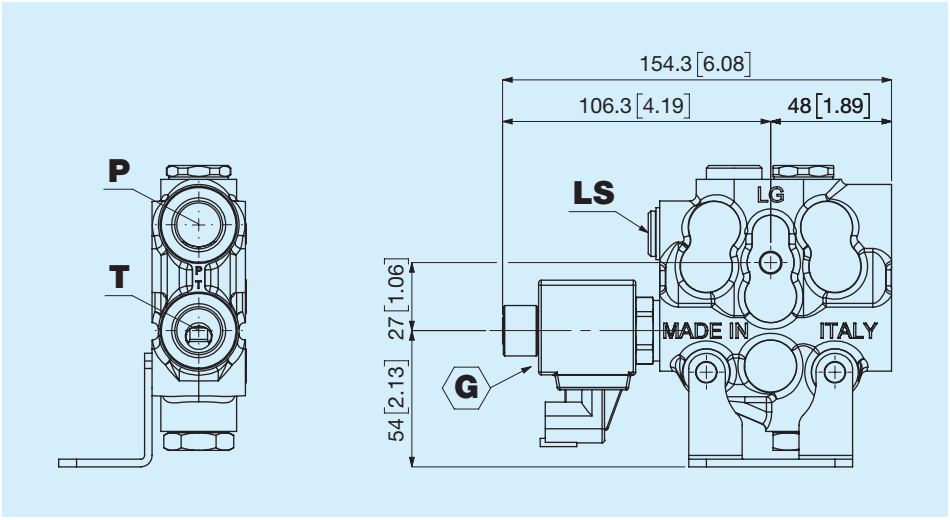
L ON-OFF drain valve

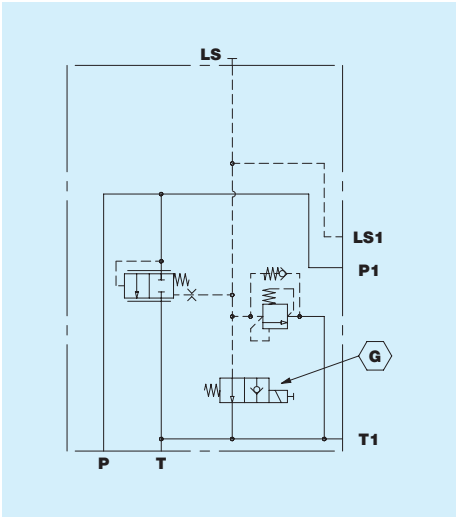




Type of unloading valve on LS line

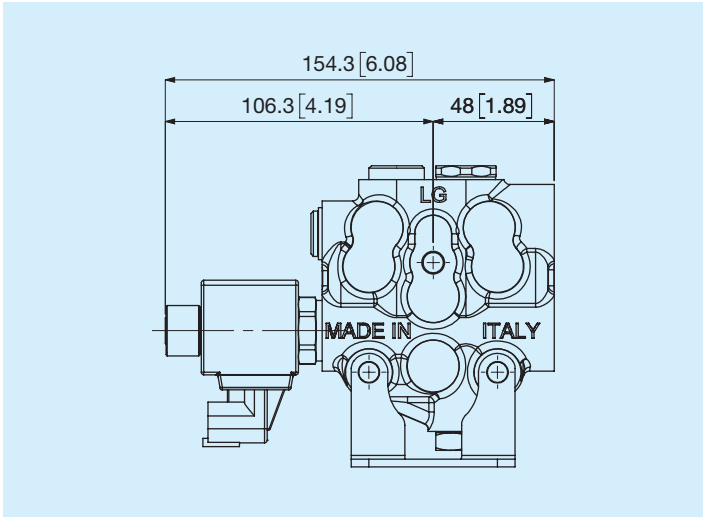
G With unloading valve



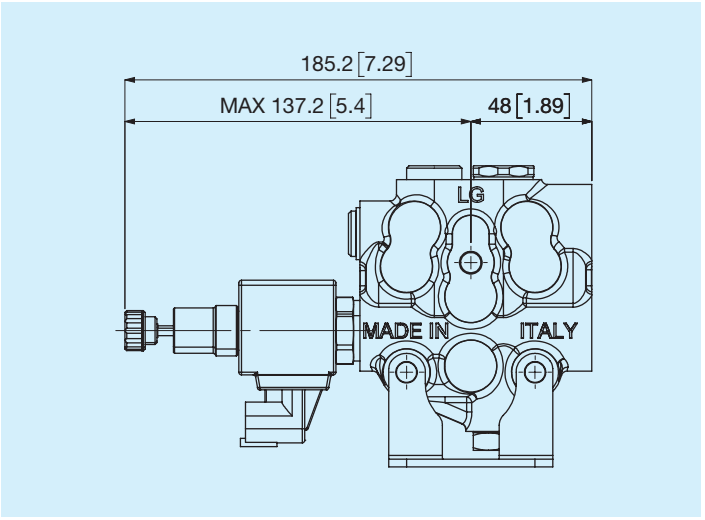


With choices A - B - G - H, it is necessary to insert a drain valve on the LS line in the outlet cover to ensure the correct operation of the distributor.

O Standard terminal



S Manual override with screw



Electrical characteristics of the unloading valve coil

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

Instructions for ordering

TE05C	1	2	3	4	5	6	7	8 9	10	11	12	13	14	15 16

1 — Thread type

F	Female						

2 — 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

3 — Thread port T

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

4 — 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

5 — Options on ports P - T - LS

A	P-T-LS open	**B**	P-T open, LS plugged	**E**	P-LS plugged, T open

6 — Options on P-T-LS lines

S	Standard	**A**	P-T-LS through	**B**	With TE05P

7 — Main Compensator option

N	None	**R**	Regulation with grub screw	**V**	Regulation with handwheel

8 9 — Bracket height

H2	Standard	**H3**	High	**NN**	None

10 — Thread port MP

N	None	**Q**	1/8'' GAS ISO 1179

11 — Thread port MT

N	None	**Q**	1/8'' GAS ISO 1179

12 — Options on ports MP - MT

N	None	**B**	MP plugged, MT not machined	**F**	MP and MT plugged
A	MP open, MT Not machined	**E**	MP and MT open		

13 — 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

15 16

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