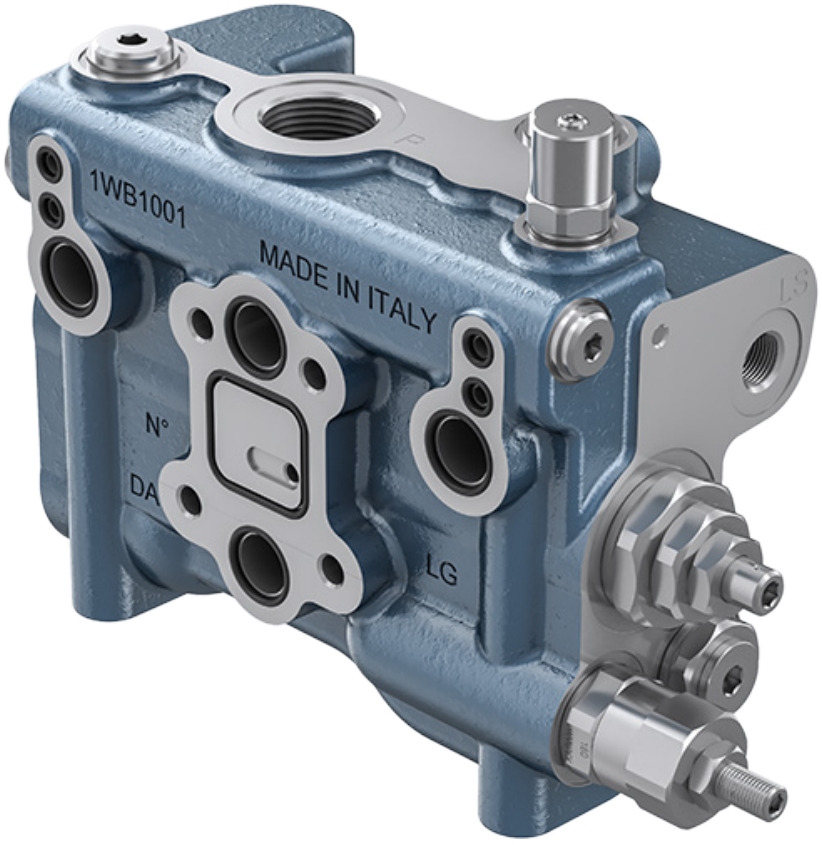
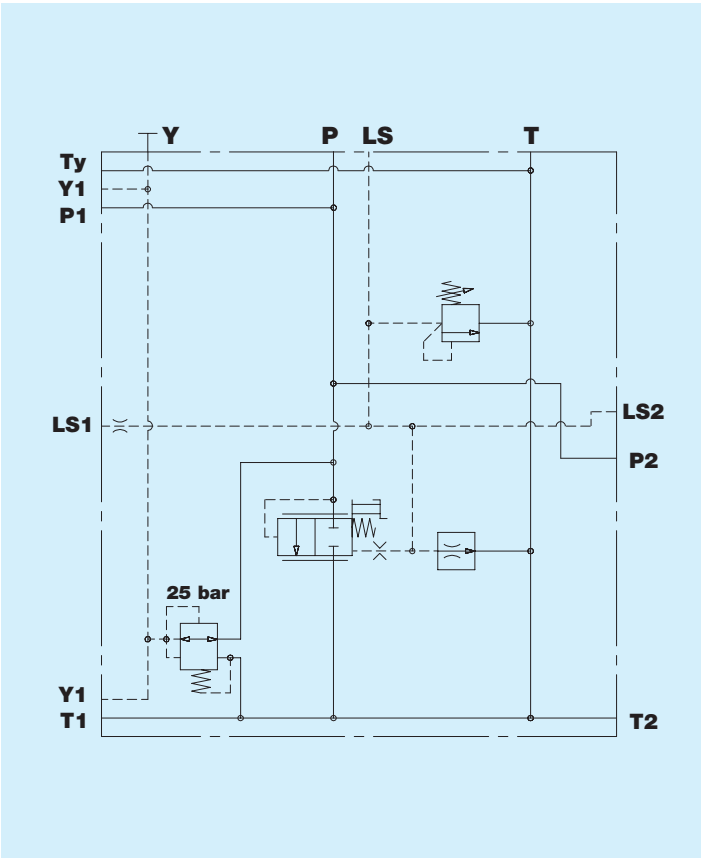
TE14C - L.S. Inlet cover with compensator Interface IBW1455 - IBW1477 - IBW1033 - IBW0511 - IBW0500

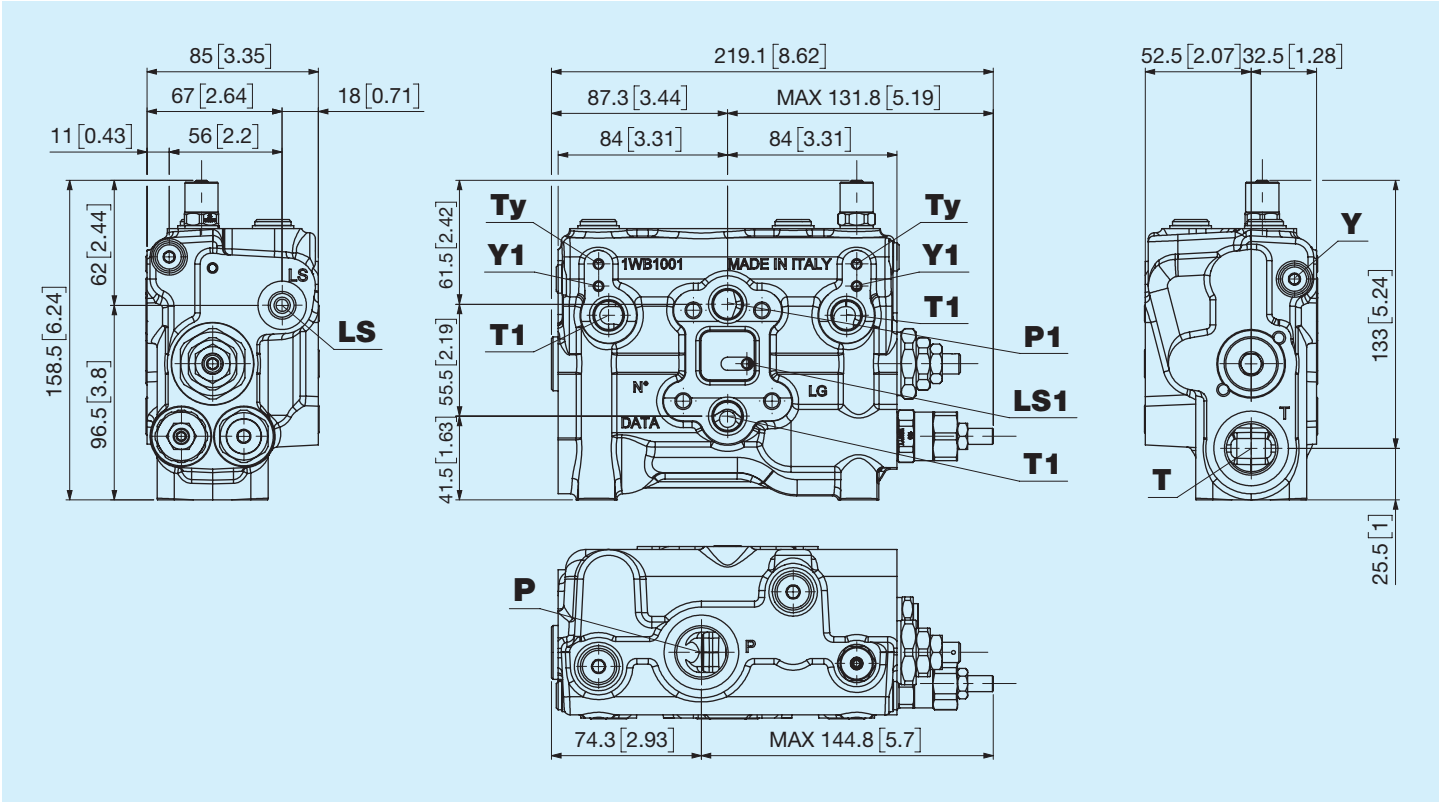


Before use, carefully read the GENERAL INSTRUCTIONS FOR USE OF DIRECTIONAL CONTROL VALVES

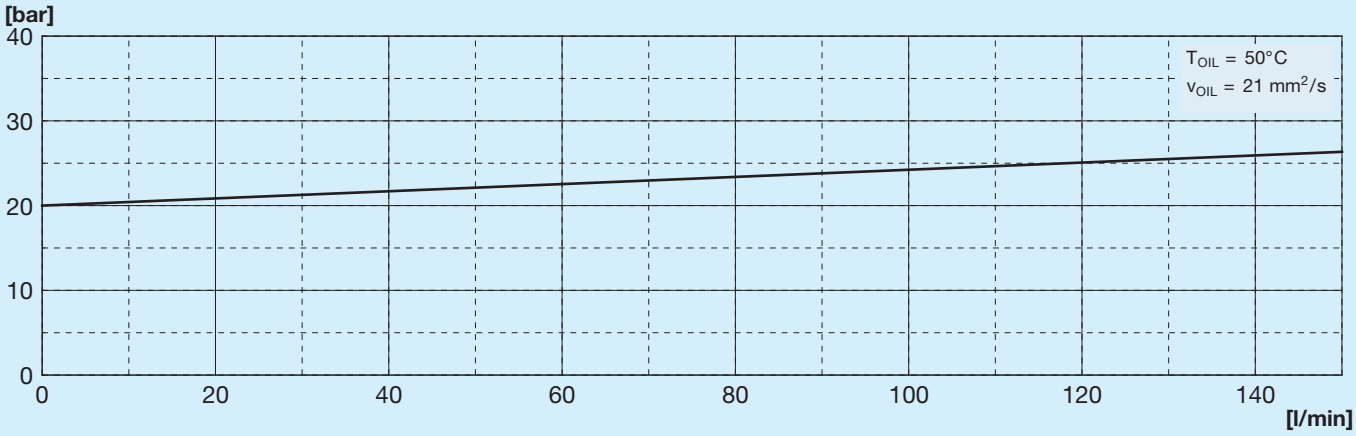
Nominal flow	**150 l/min** ***39.6 US gpm***
Nominal pressure	**250 bar** ***3625 psi***
Maximum tank pressure	**50 bar** ***725 psi***
Temperature range	**-20°C +85°C NBR seals** ***(max peak +100°C)*** ***-20°C + 130°C HNBR seals***
Oil viscosity	**from 15 mm²/s to 90 mm²/s** ***(15 cSt to 90 cSt)***
Fluid	**Hydraulic fluids as defined in ISO 6743-4 standard**
Weight	**9 kg** ***19.84 lb***
Interface	**IBW1455 - IBW1477 - IBW1033 - IBW0511 - IBW0500**



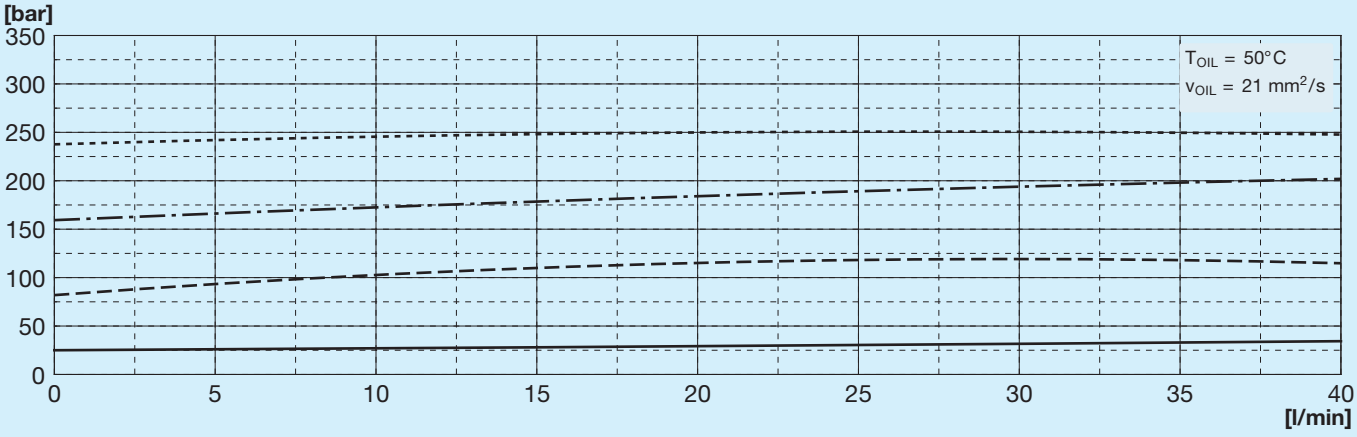
Overall dimensions



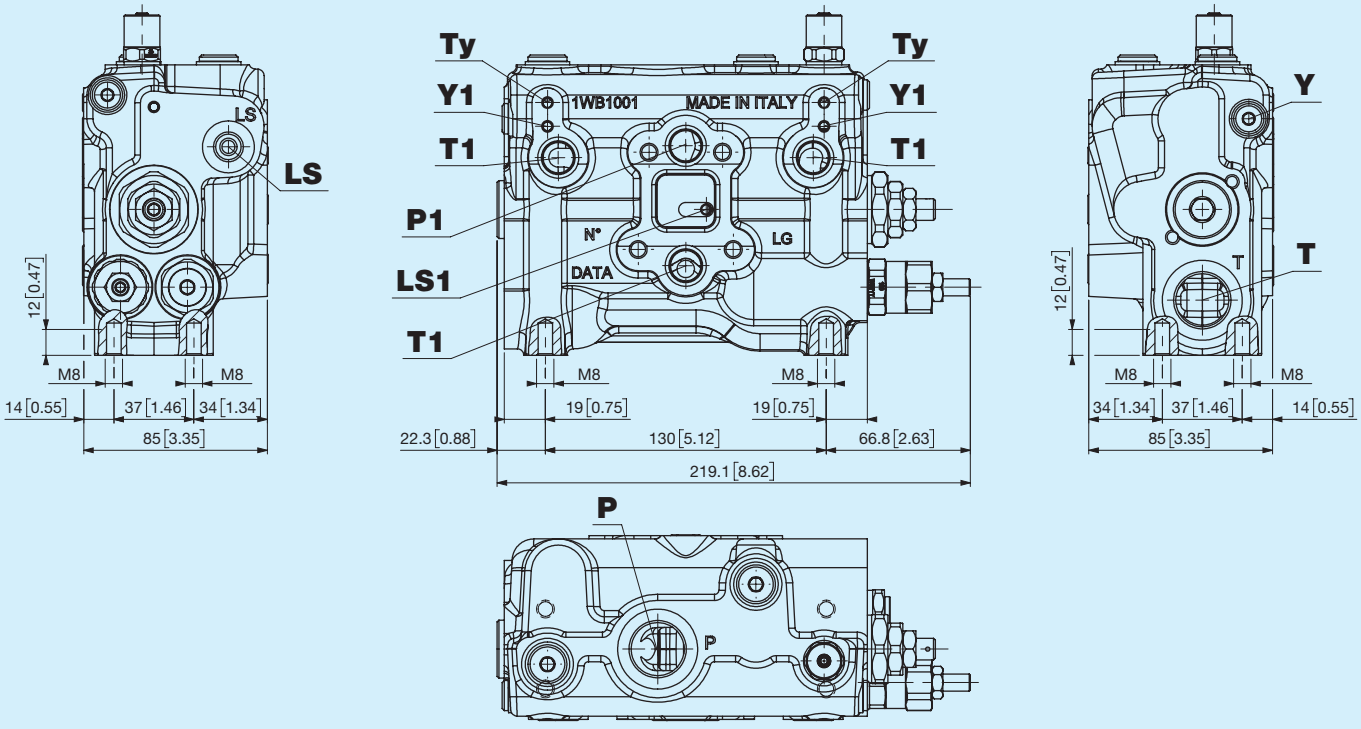
Head losses P-T



VL - Pressure limiting valve

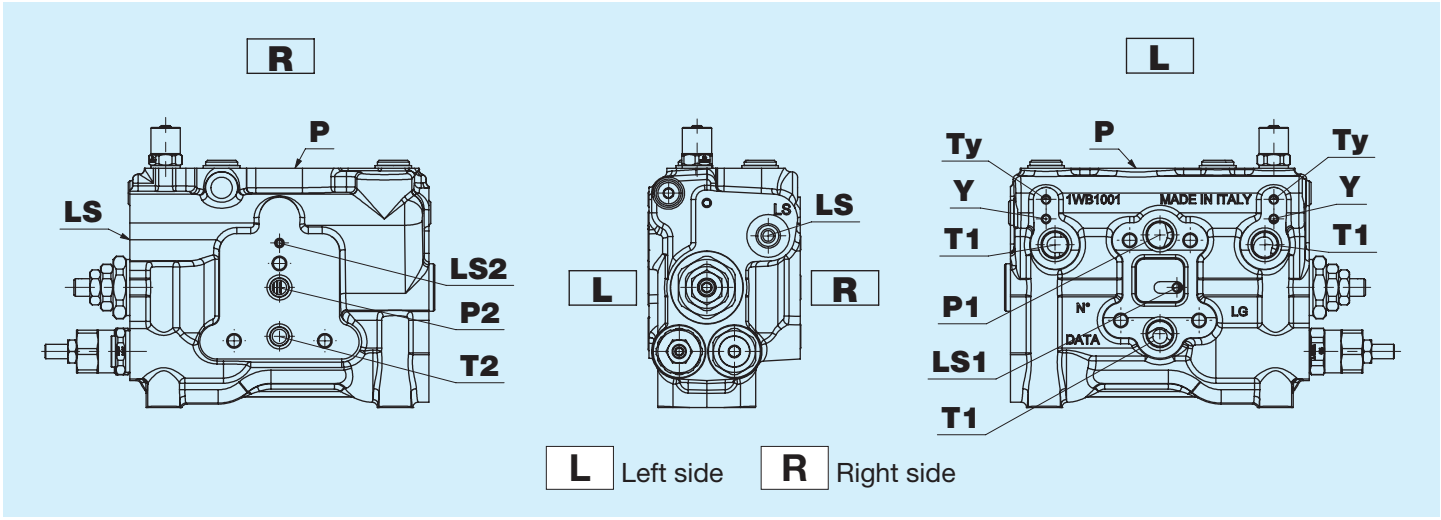


Fixing holes



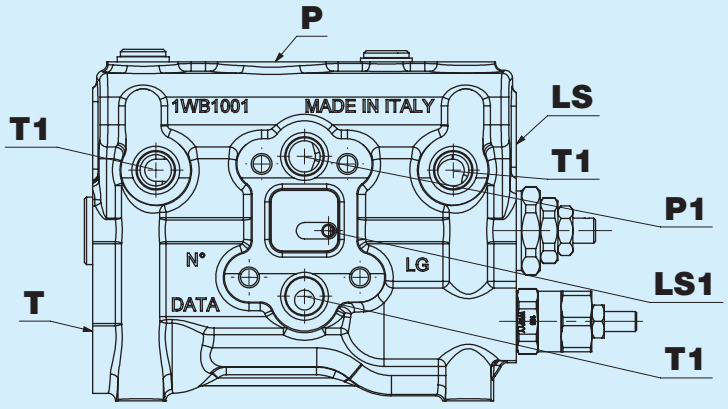
Right and left side of the cover

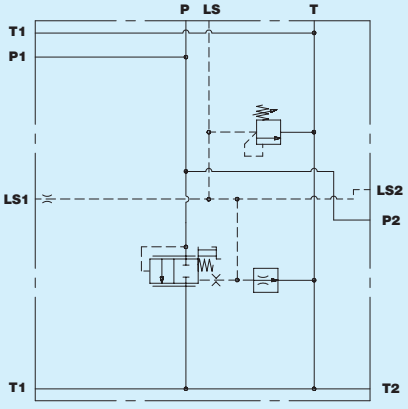
Definition of the right and left side of the cover



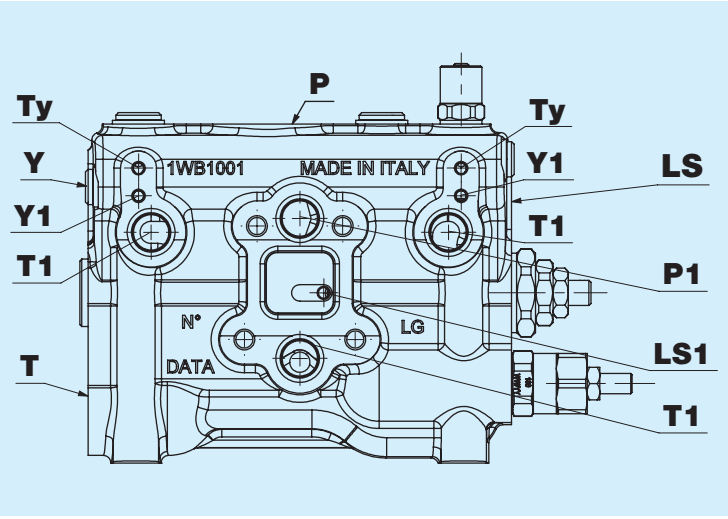
The right and left sides of the cover, as shown in the drawing, are defined in relation to the position of port LS

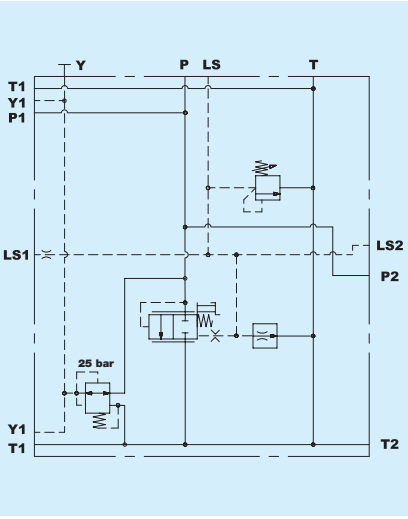
E IBW1455



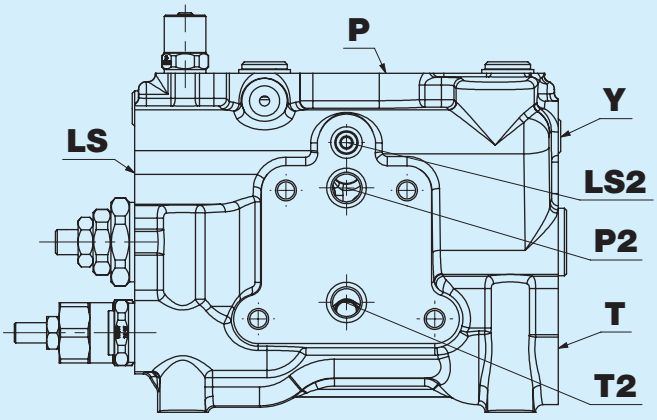


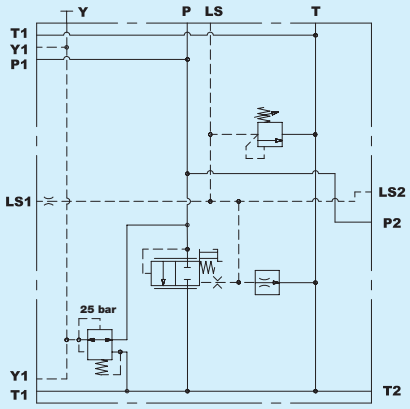
F IBW1477 - For electrohydraulic actuation of the element



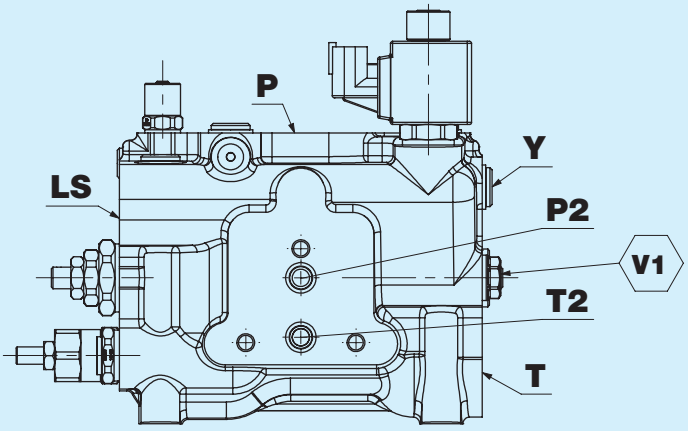


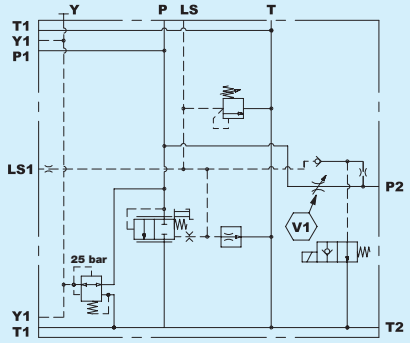
B IBW1033



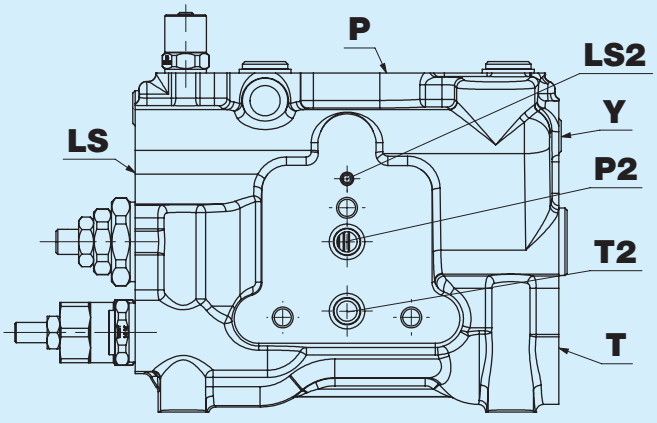


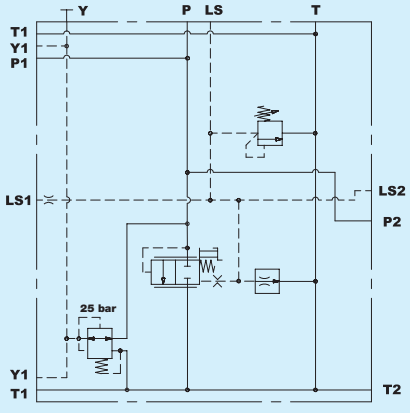
C IBW0500





D IBW0511





Thread port P

Code	Type	Torque ± 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	Torque ± 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 ports

Thread port LS/LS+

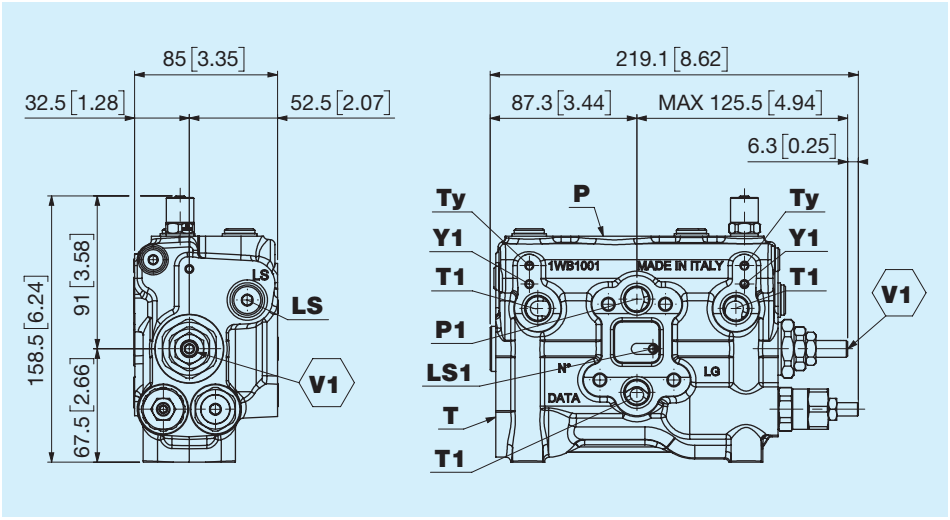
Code	Type	Torque ± 10% Nm
L	1/4'' GAS ISO 1179	27
3	M14x1.5 ISO 9974	27
K	M14x1.5 ISO 6149	27
P	9/16'' - 18 SAE ISO 11926	27

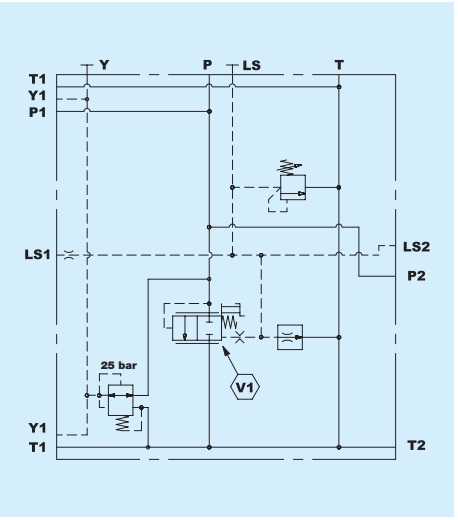
Options on ports P-T-LS

Code	Ports
A	P-T-LS open
B	P-T open, LS plugged

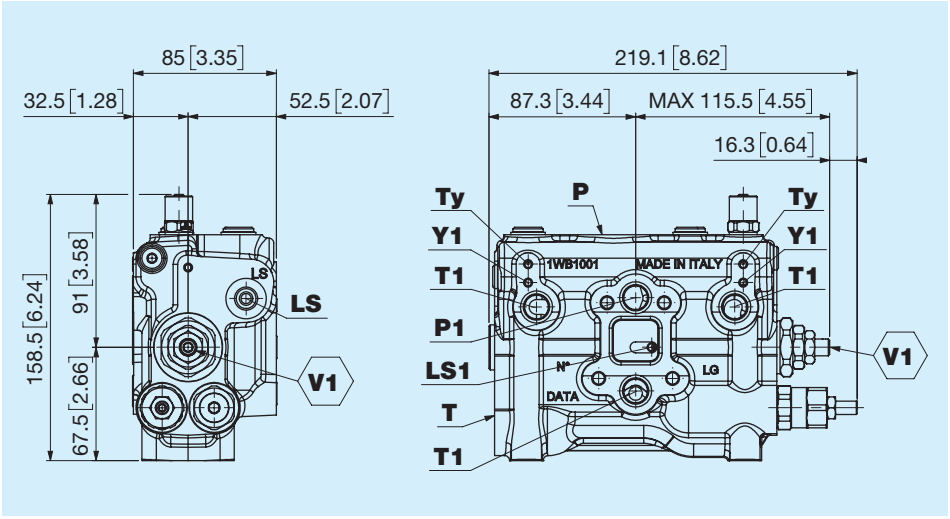
The LS+ port will be available only in the presence of a booster valve, see the dedicated chapter.

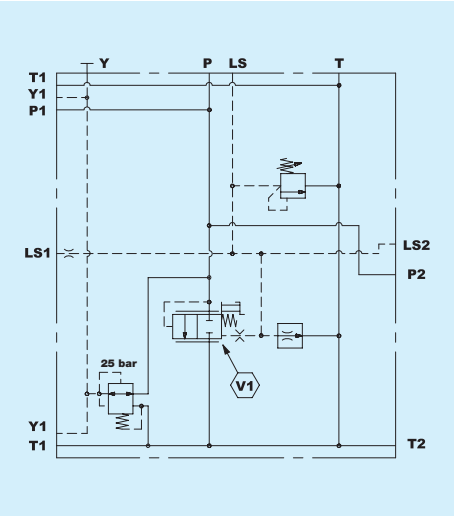
Open Centre - Fixed pump





Closed Centre - Load sensing Pump

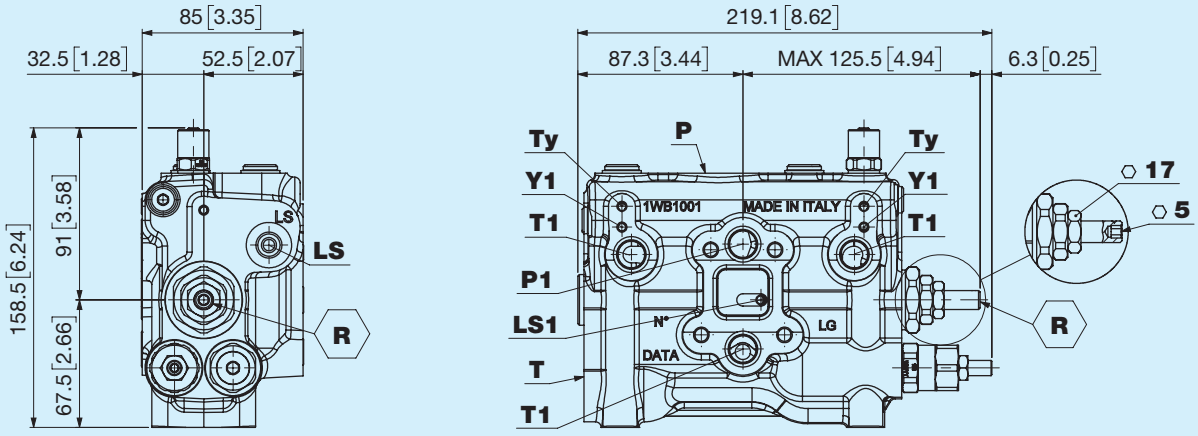




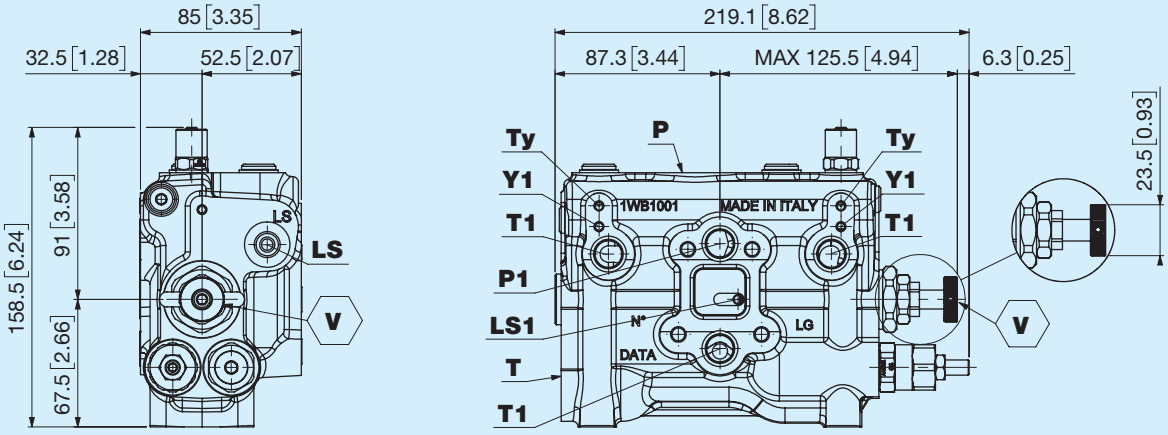
For Closed Centre - LS Pump configuration, tighten the screw V1 clockwise to end limit. For Open Centre - Fixed Pump configuration, unscrew the screw V1 counter clockwise to end limit.

Main Compensator option

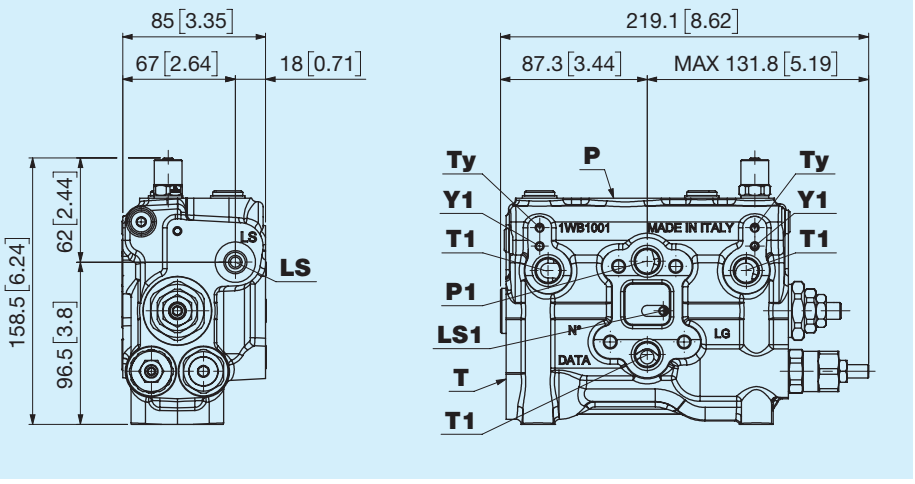
R Regulation with grub screw

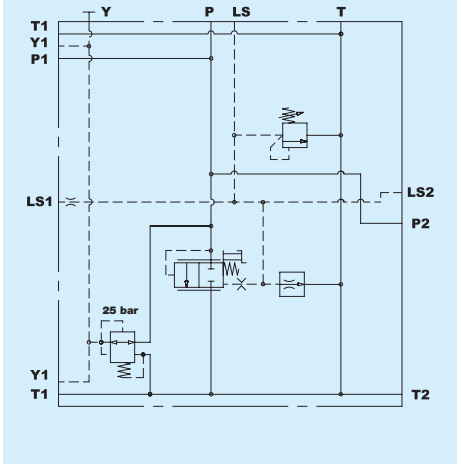


V Regulation with handwheel

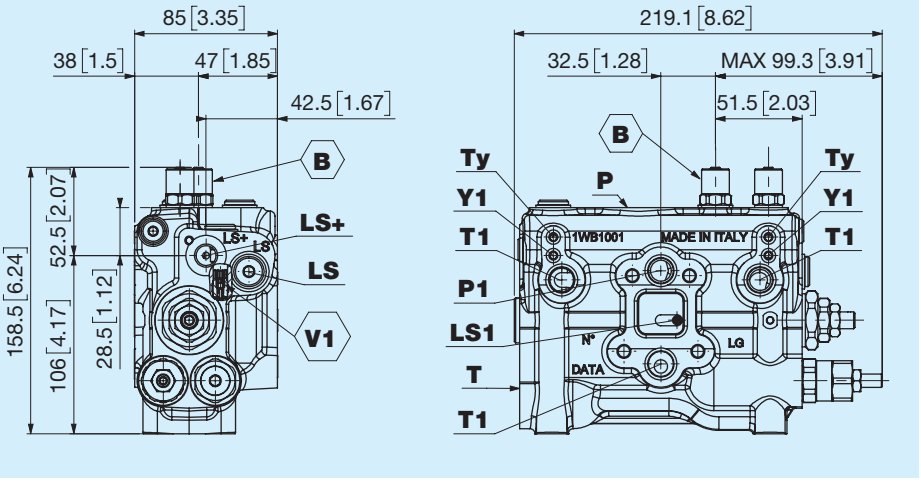


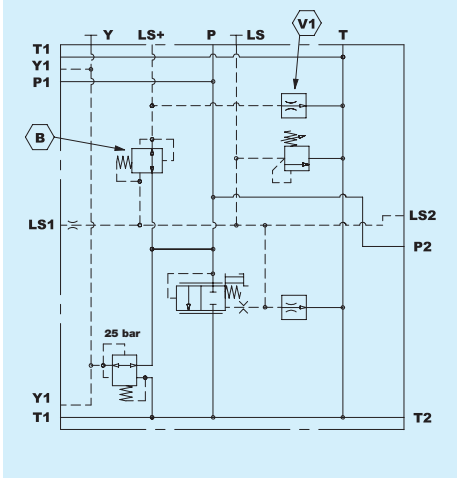
N None



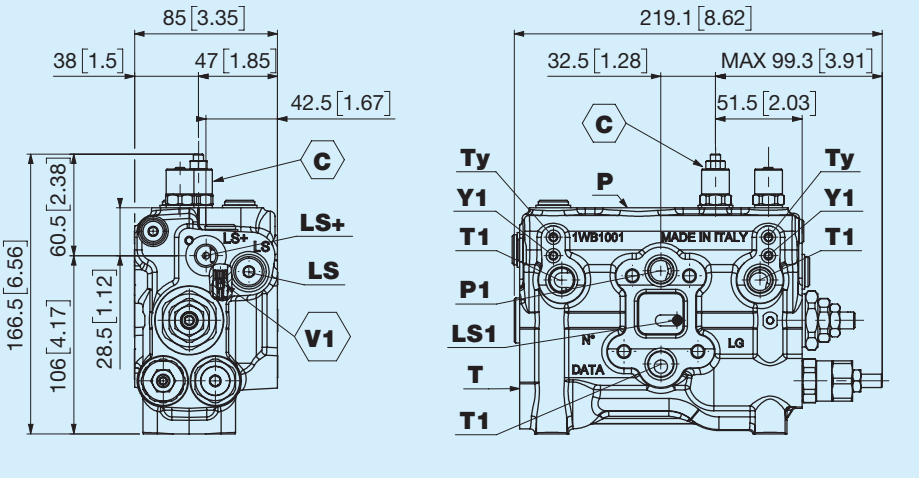


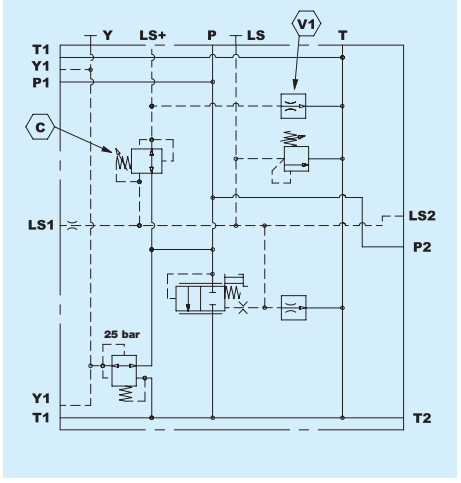
B Booster valve with fix setting



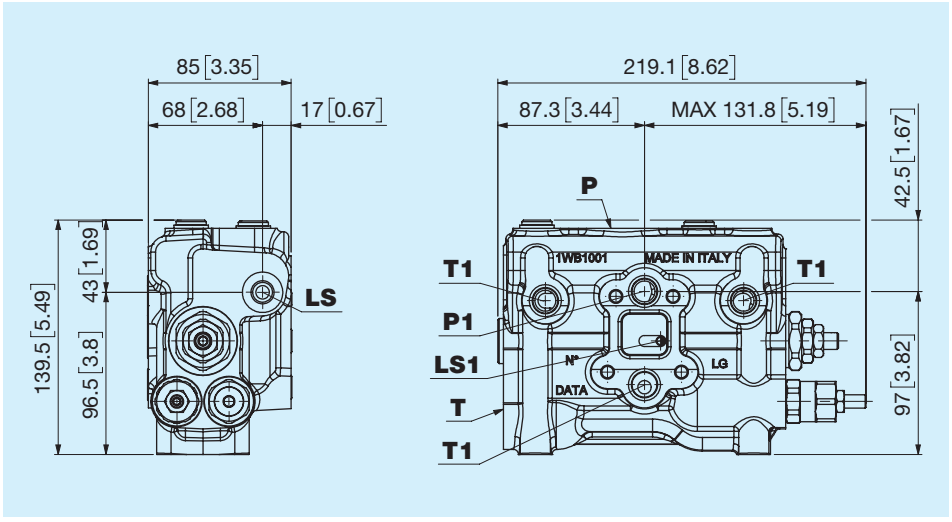


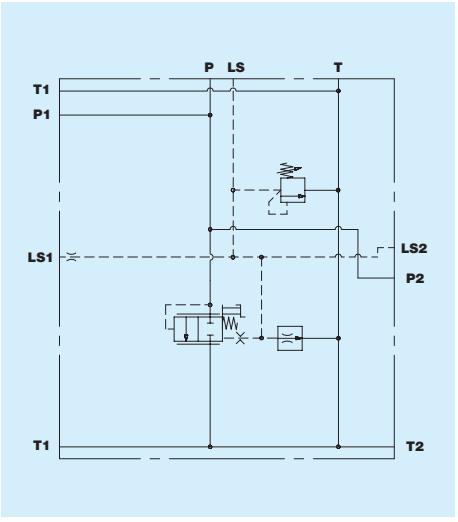
C Booster valve with adjustable setting



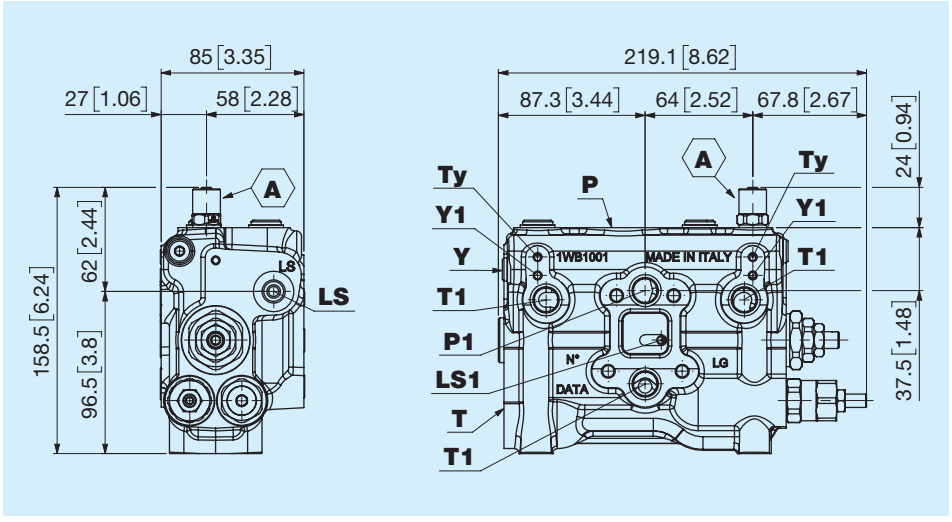


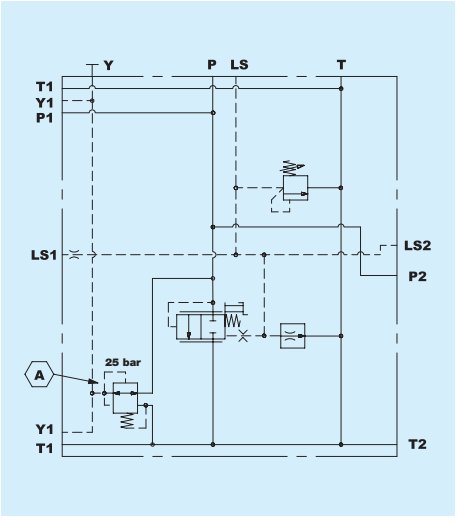
N None





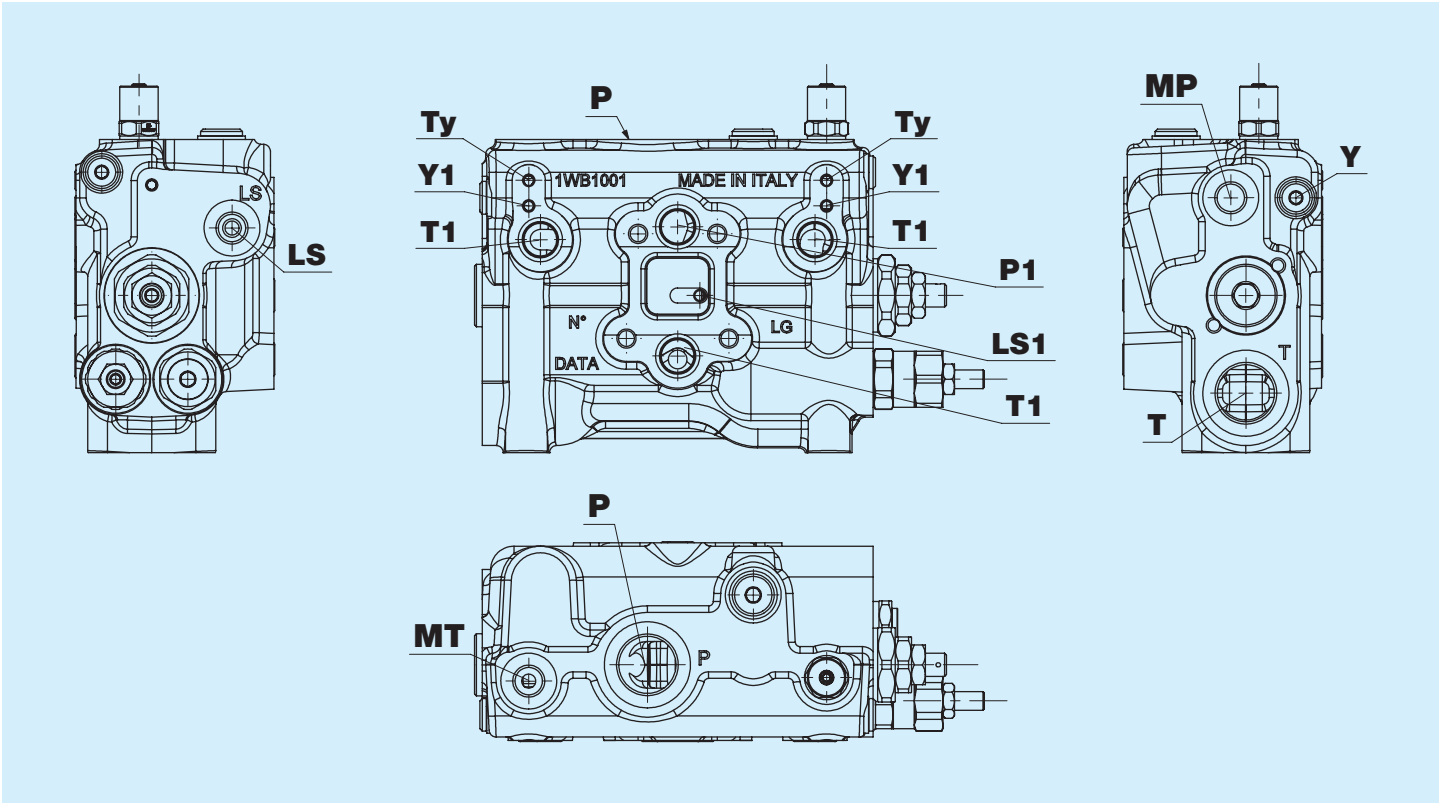
A Standard fixed setting





The pressure reducing valve must always be present with the left-side interface **F** IBW1477 to ensure correct electro-hydraulic activation of the element.

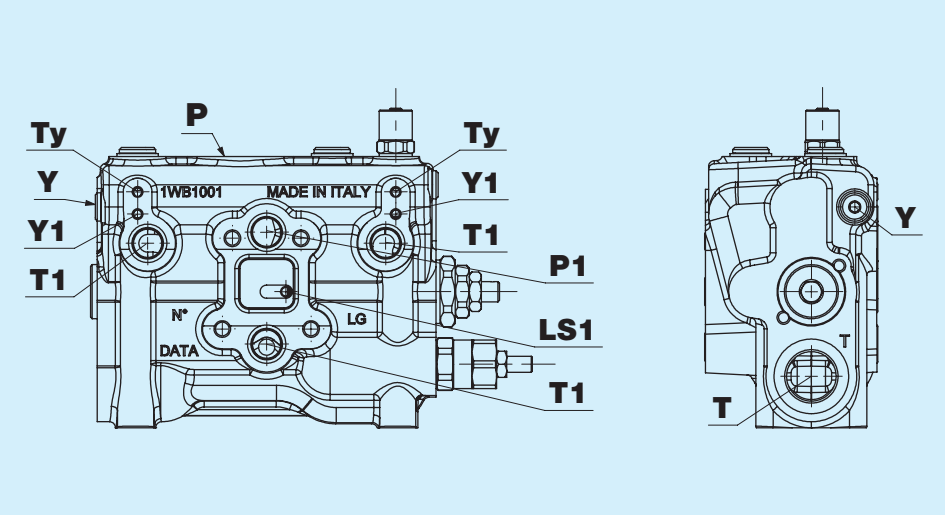
MP and MT - Gauge ports

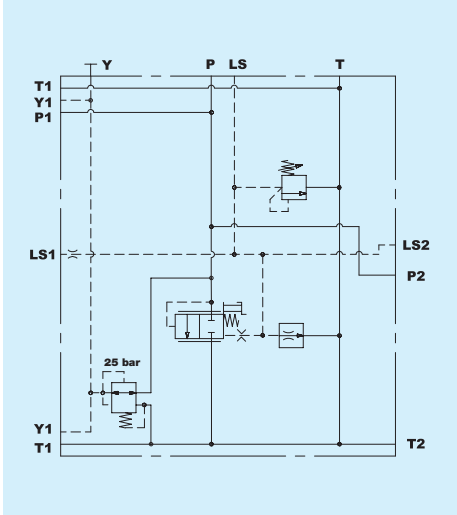


Thread Pports MP and MT

Code	Type	Torque ± 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

Port Y



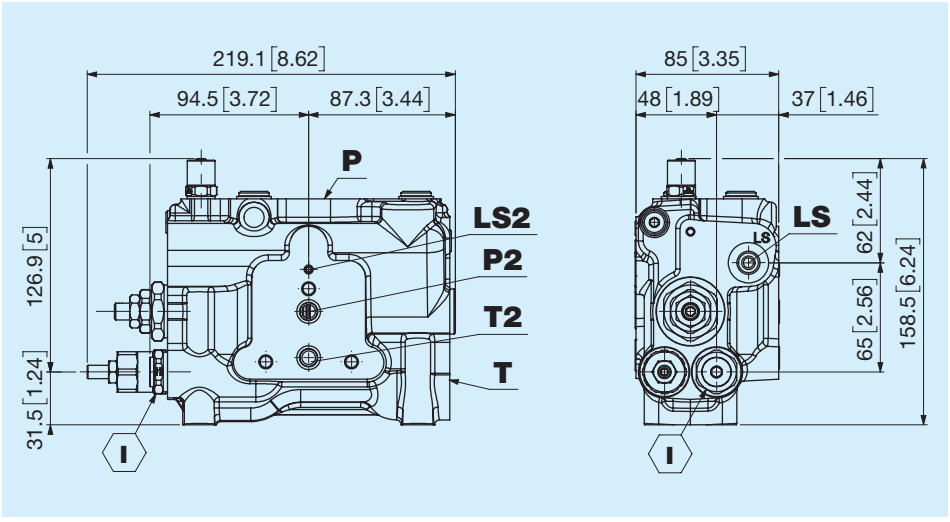


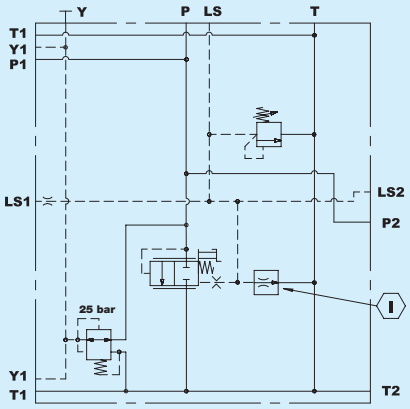
The Y port will be present only if the left-side interface **F** IBW1477 is selected - For electro-hydraulic actuation of the element.

Thread Port Y

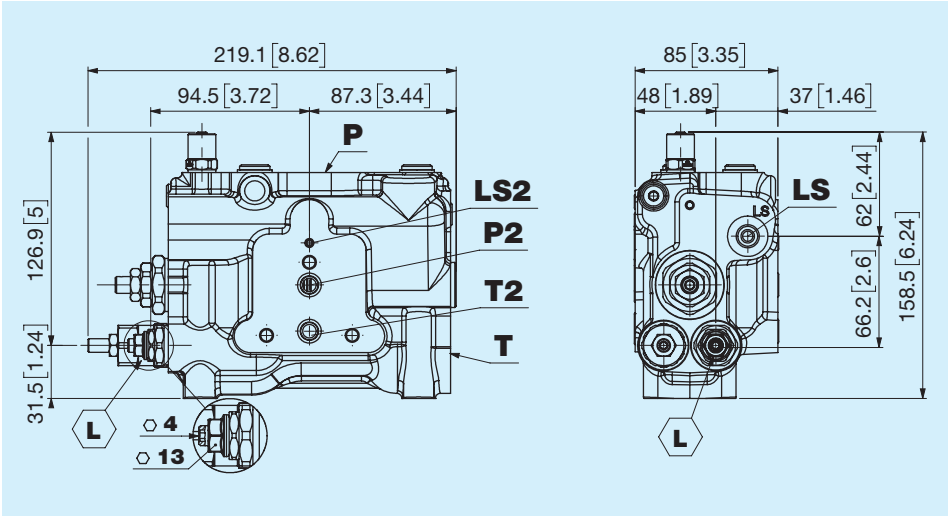
Code	Type	Torque ± 10% Nm
N	None	
Q	1/8'' GAS ISO 1179	12

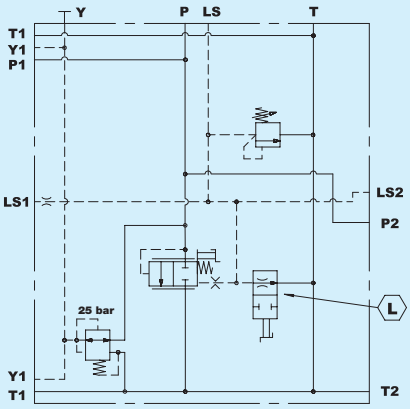
I Drain valve 0.5 l/min





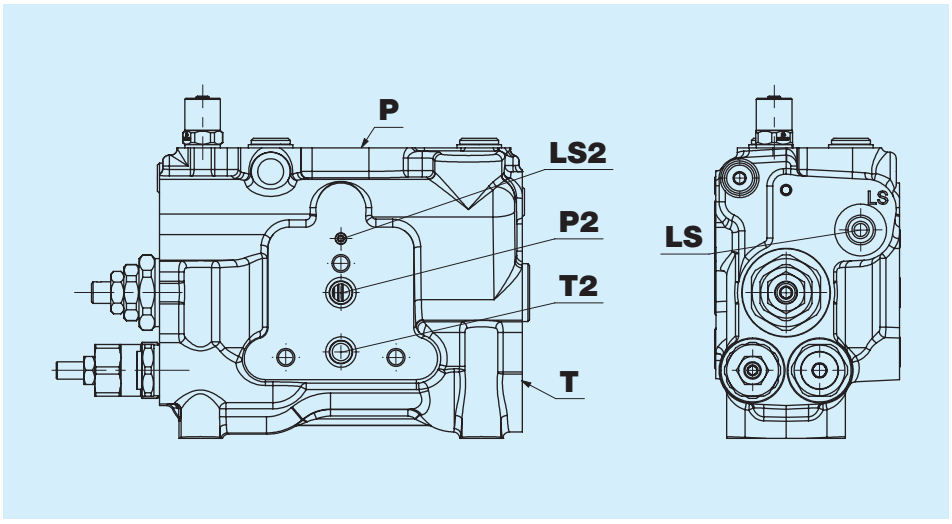
L ON-OFF Drain valve 0.5 l/min

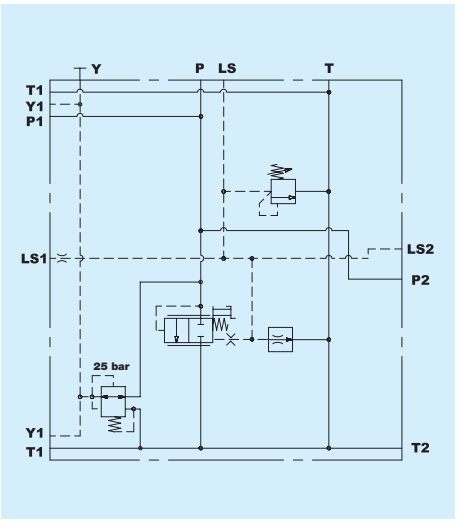




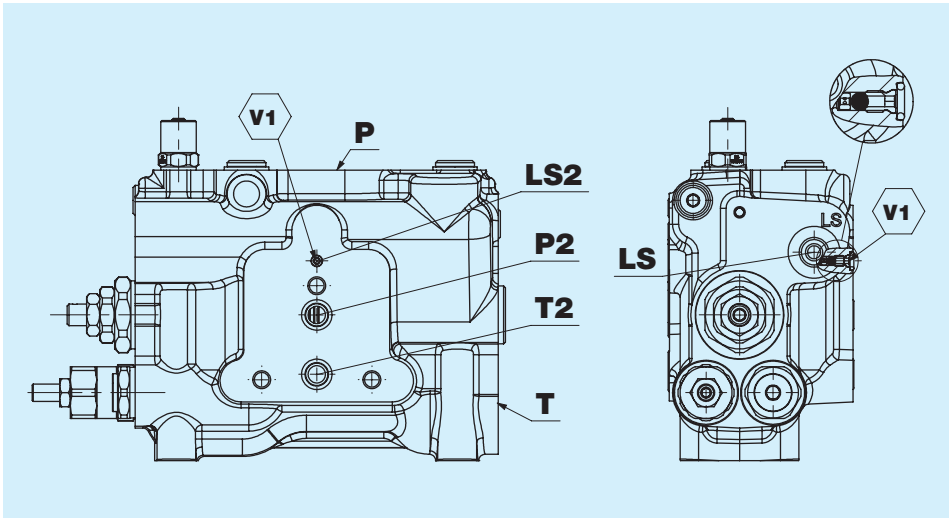
Additional LS line - right branch options

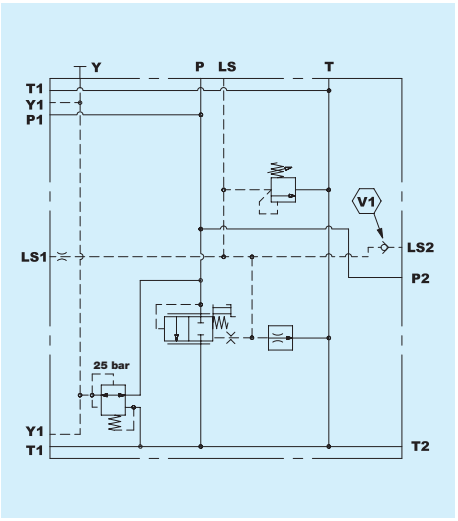
G General - no shuttle valve





L Local dedicated right branch - with shuttle valve

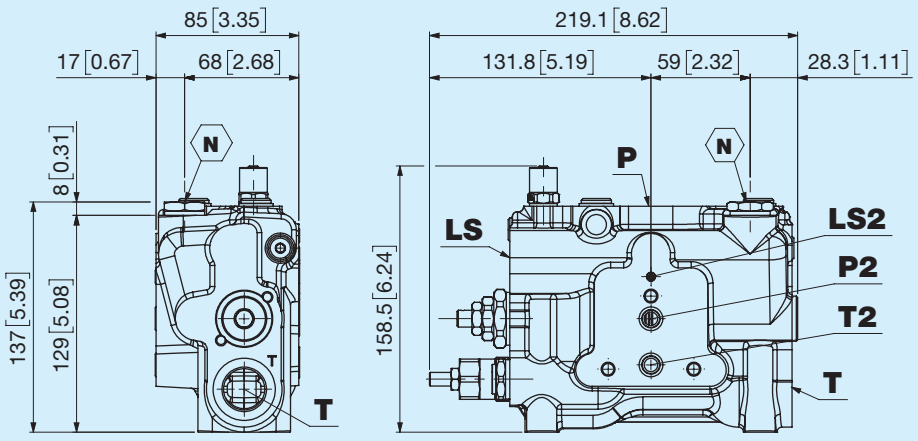


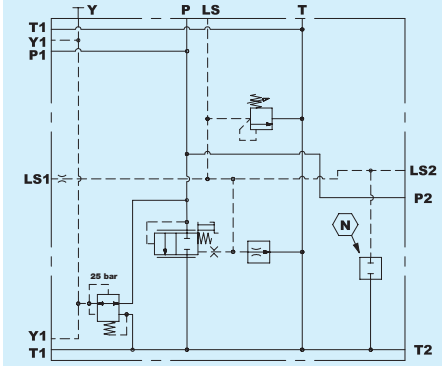


In case of compensated elements, for a correct functioning, the configuration will always be necessary **L**
Dedicated local right branch that provides the shuttle valve in the line LS.

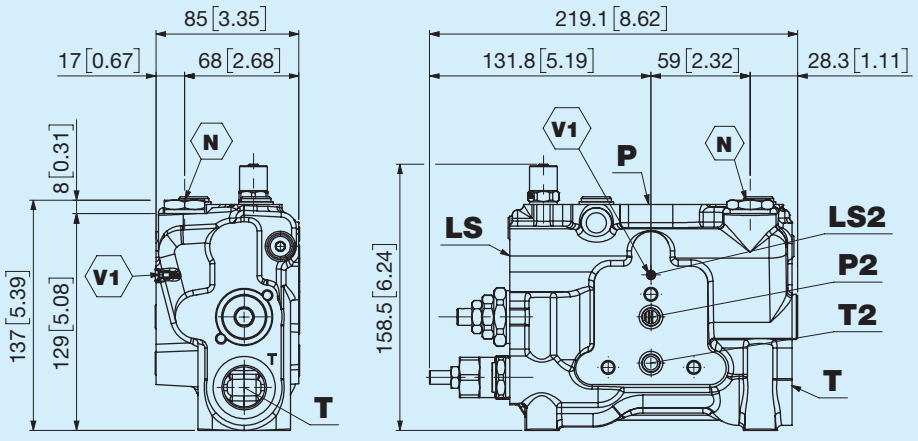
Additional LS line - unloading valve

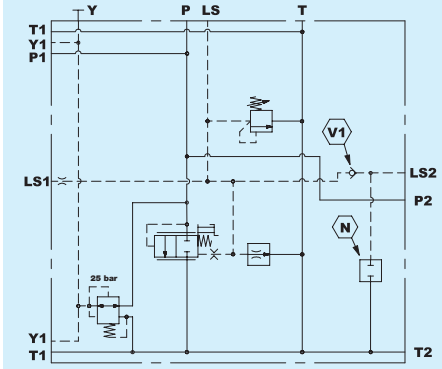
N Replacement cap for unloading valve and General



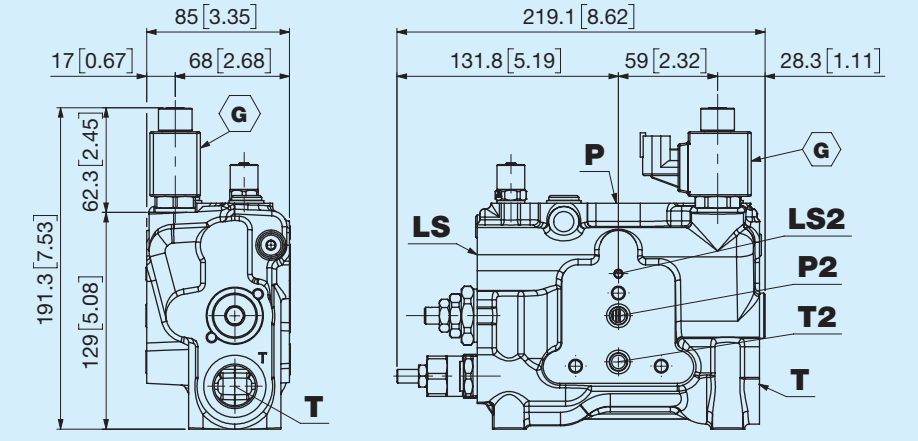


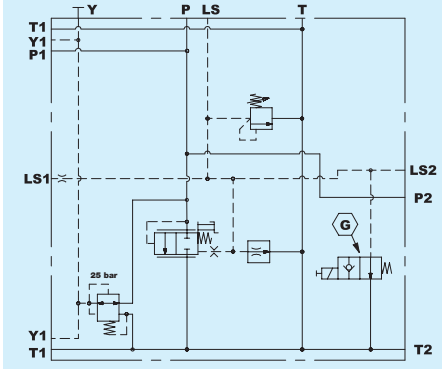
N Replacement cap for unloading valve and Local LS





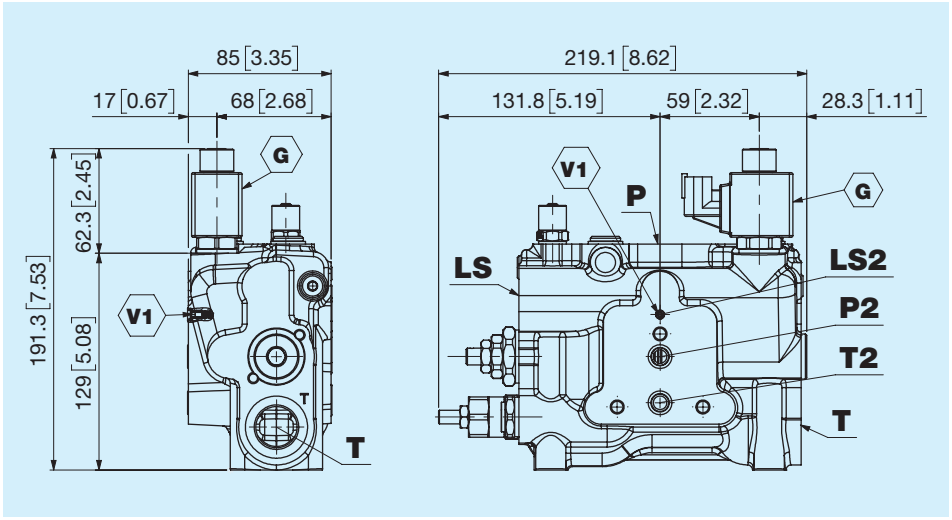
G With unloading valve and General LS

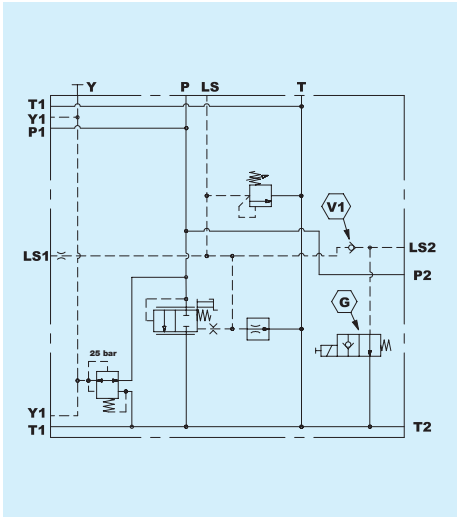




Additional LS line - unloading valve

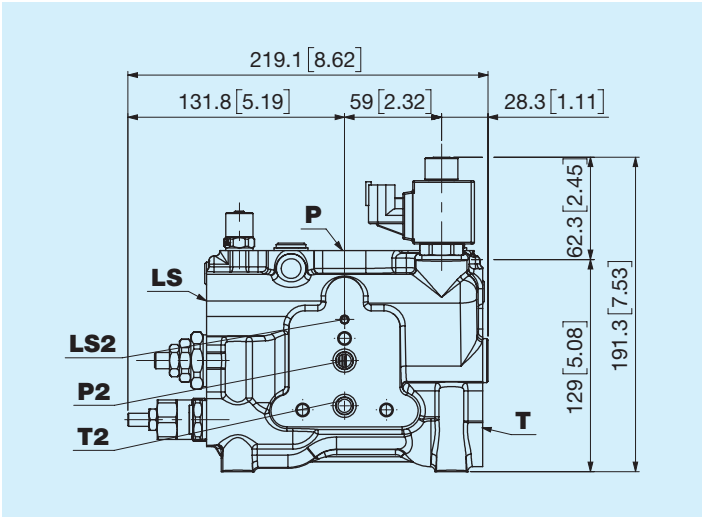
G With unloading pilot valve and Local LS



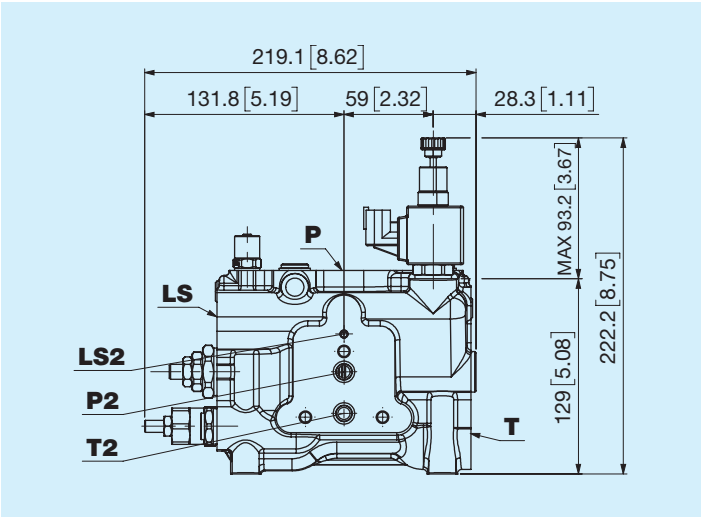


Type of emergency unloading valve

O Standard terminal



S Emergency 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

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TE14C															

1

Left side interface

E	IBW1455	**F**	IBW1477 - For electrohydraulic actuation of				

2

Right side interface

B	IBW1033	**C**	IBW0500	**D**	IBW0511		

3

Thread type

F	Female						

4

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

5

Thread port T

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

6

Thread port LS/LS+

L	1/4'' GAS ISO 1179	**3**	M14x1.5 ISO 9974	**K**	M14x1.5 ISO 6149	**P**	9/16'' - 18 SAE ISO 11926

7

Options on ports P-T-LS

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

8

Main Compensator option

R	Regulation with grub screw	**V**	Regulation with handwheel				

9

Options on LS+ line

N	None	**B**	Booster valve with fix setting	**C**	Booster valve with adjustable setting		

10 11

Booster valve setting

NN	None	**15**	15 bar	**30**	30 bar		
05	5 bar	**20**	20 bar	**35**	35 bar		
10	10 bar	**25**	25 bar	**40**	40 bar		

12

Options on port LS+

N	None	**A**	Open	**B**	Plugged		

13

Pressure reducing valve

N	None	**A**	Standard fixed setting				

16 17 18 19 20 21 22 23 24 25

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

Thread Port MT

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		

16

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		

17

Thread port Y

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

18

Options port Y

N	None	**A**	Open	**B**	Plugged

19

Main LS line options

I	Drain valve 0.5 l/min	**L**	ON-OFF Drain valve 0.5 l/min

20

Additional LS line - right branch options

G	General - no shuttle valve	**L**	Local dedicated right branch - with shuttle valve

21

Additional LS line unloading valve

N	Replacement plug	**A**	12V DIN 43650	**G**	12V DEUTSCH DT04-2P
X	Not prepared	**B**	24V DIN 43650	**H**	24V DEUTSCH DT04-2P

22

LS line emergency unloading pilot valve type

N	None	**O**	Standard terminal	**S**	Emergency screw

23 24

Type of pressure relief valve

00	VMP replacement plug	**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		

25

External treatment

N	None	**Z**	Zinc plating