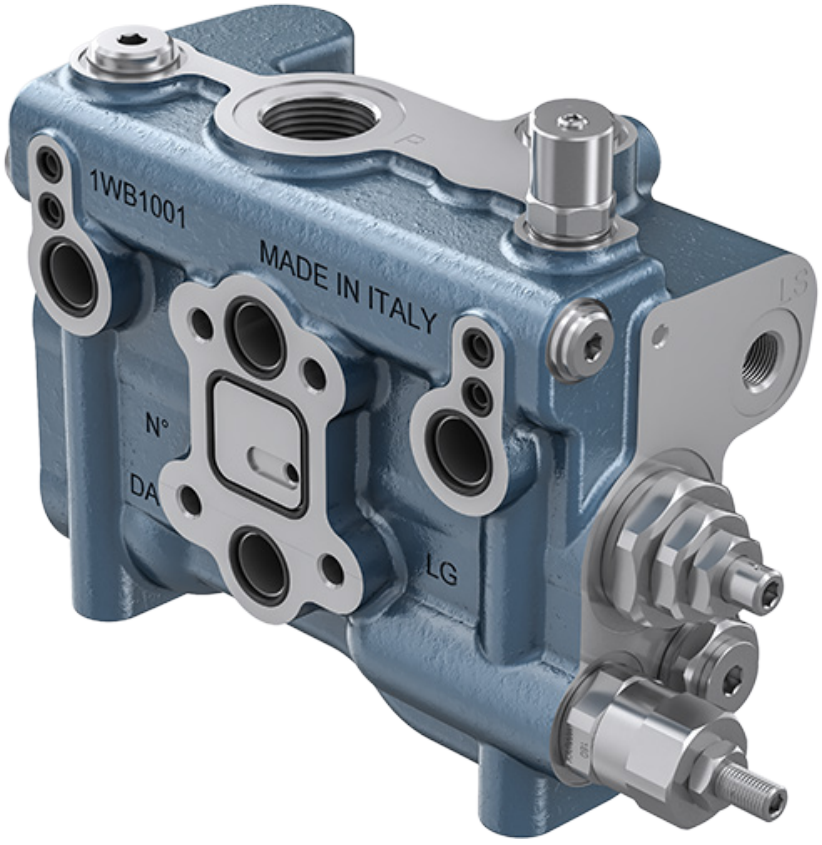
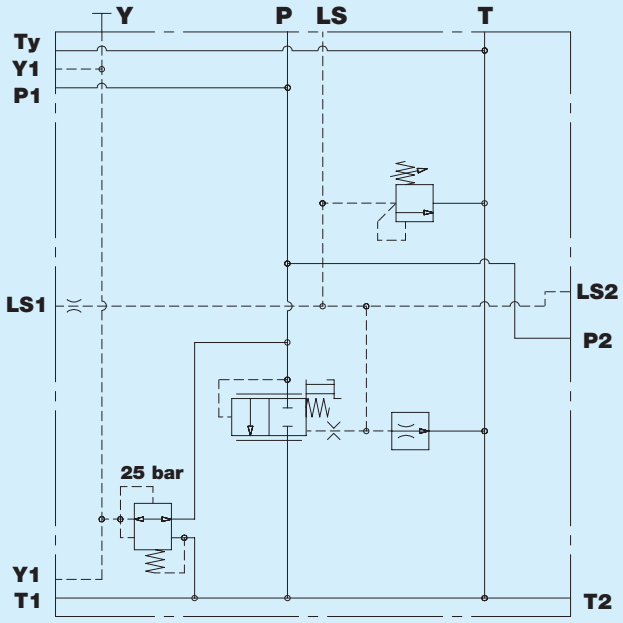
TE14C Corpo de entrada L.S. com compensador Interfaces IBW1455 - IBW1477 - IBW1033 - IBW0511 - IBW0500

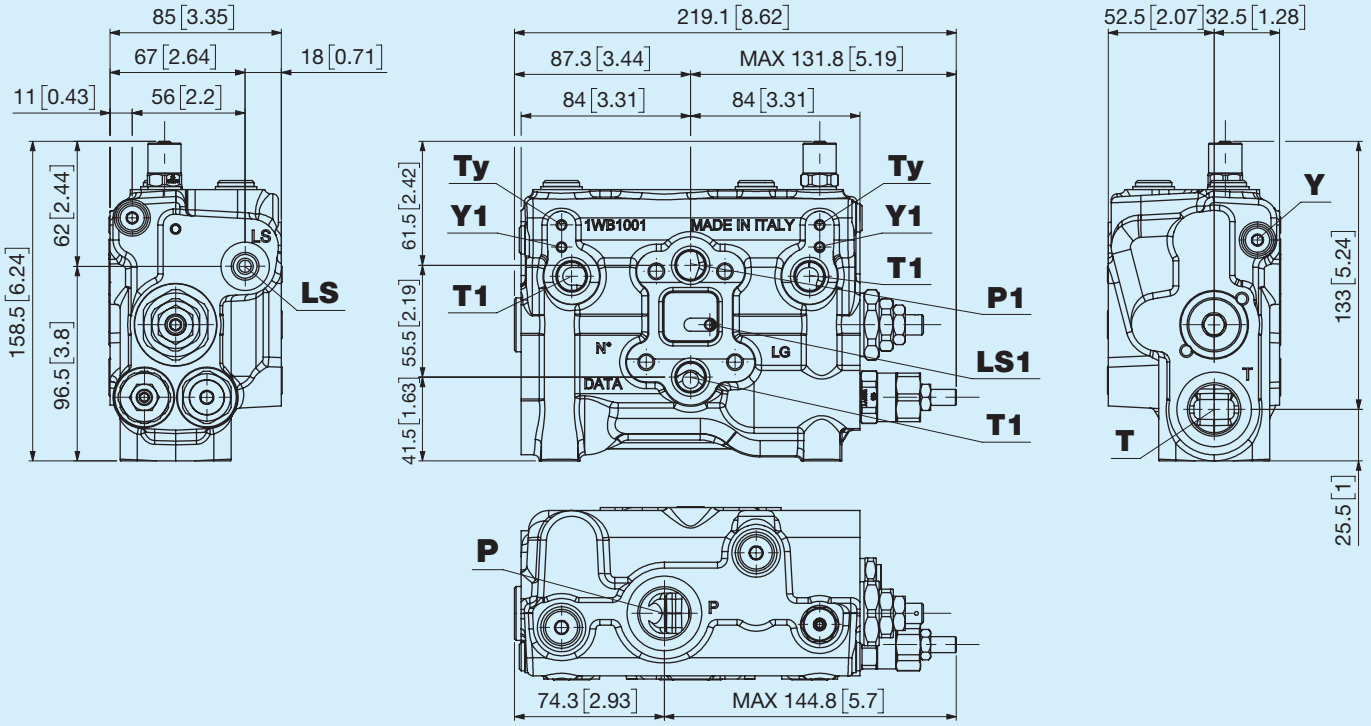


Antes de iniciar o uso, leia atentamento o documento INSTRUÇÕES GERAIS DE USO PARA AS VÁLVULAS DE CONTROLE DIRECIONAL

Vazãonnominal	**150 l/min** ***39,6 US gpm***
Pressão nominal	**250 bar** ***3625 psi***
Contrapressão máxima para a descarga	**50 bar** ***725 psi***
Temperatura de uso	**-20°C +85°C NBR seals** ***(max peak +100°C)*** ***-20°C + 130°C HNBR seals***
Viscosidade do óleo de exercício	**de 15 mm²/s a 90 mm²/s** ***(15 cSt a 90 cSt)***
Fluido	**Fluidos hidráulicos definidos pela norma ISO 6743-4**
Massa	**9 Kg** ***19,84 lb***
Interface	**IBW1455 - IBW1477 - IBW1033 - IBW0511 - IBW0500**

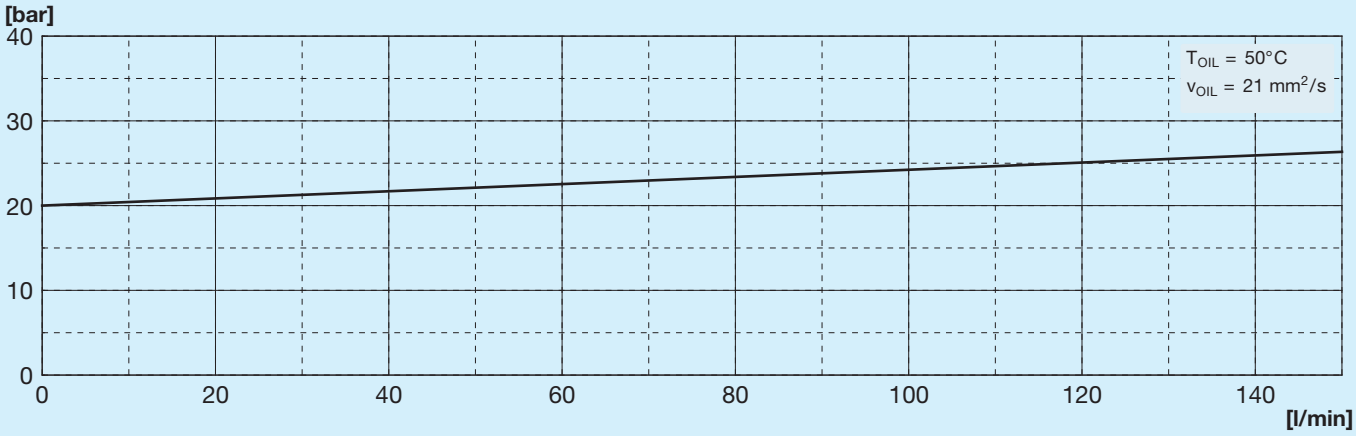


Dimensões de volume

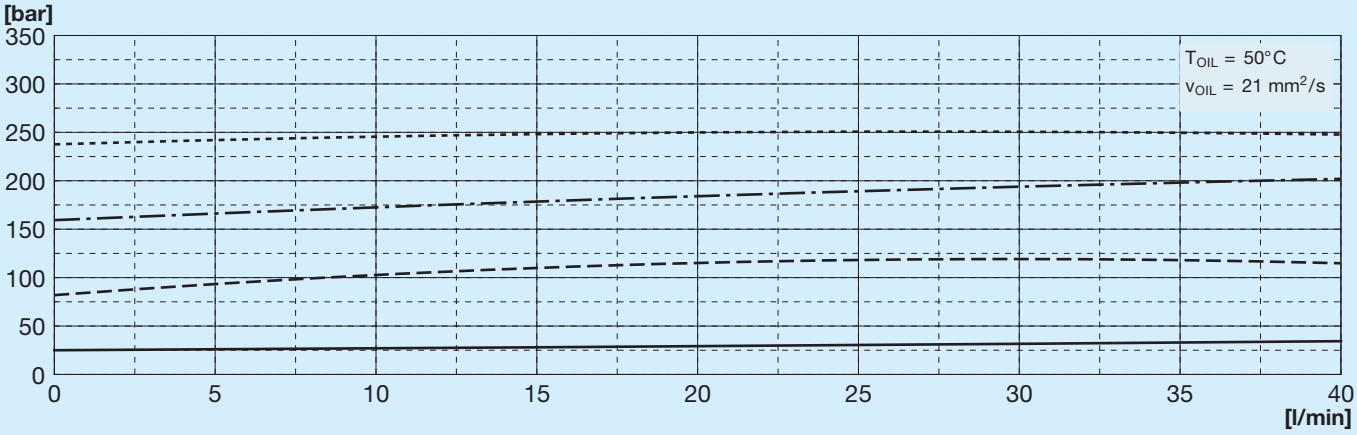


Curvas Características

Perdas de carga P-T

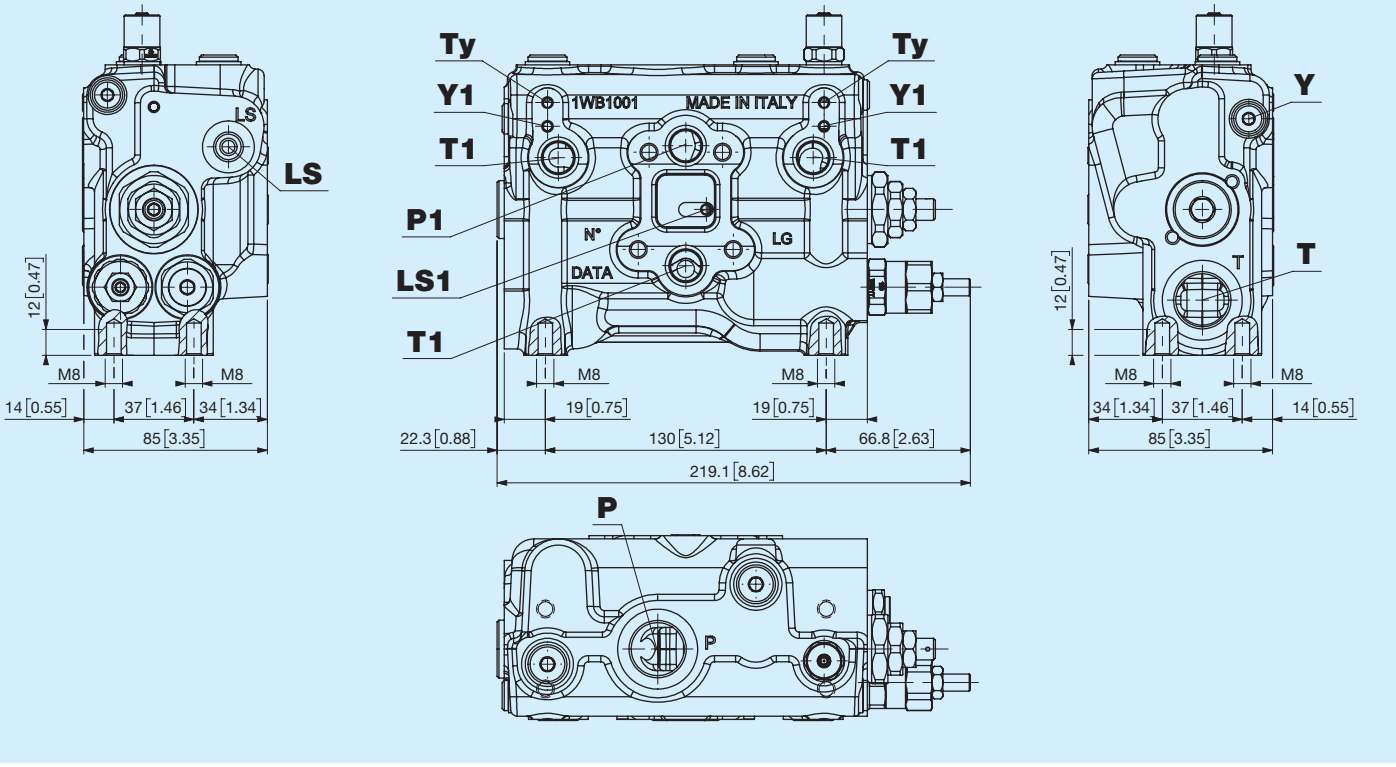


VL - Válvula limitadora de pressão



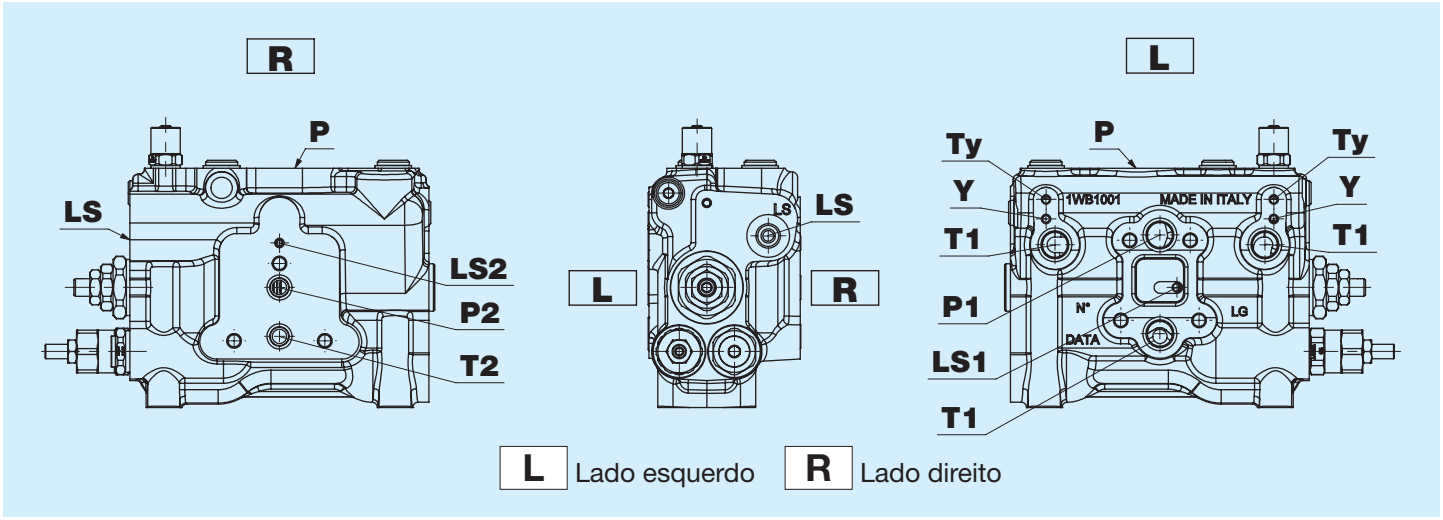
Interface do lado esquerdo

Furos de fixação



Opção do compensador principal

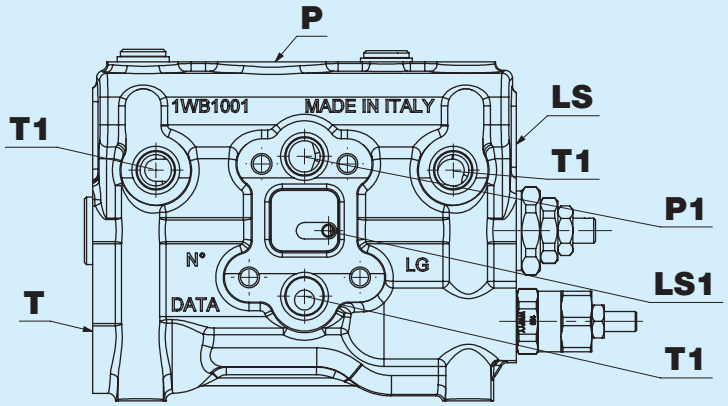
Definição de lado direito e esquerdo da cabeça

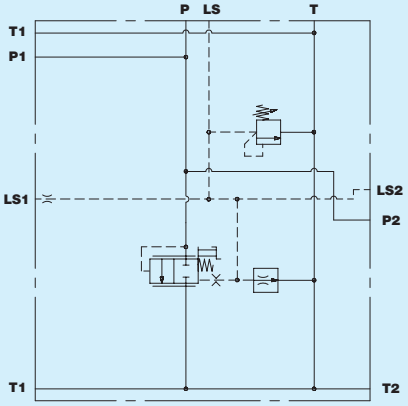


O lado direito e esquerdo da cabeça, como mostrado no desenho, são definidos em relação à posição da conexão LS.

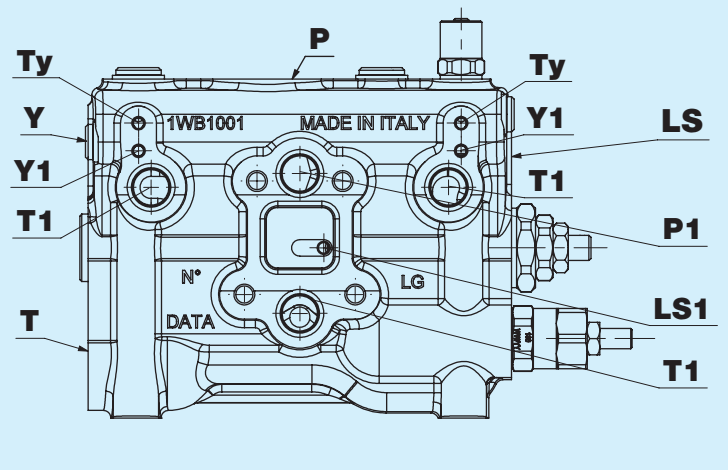
Interface do lado esquerdo

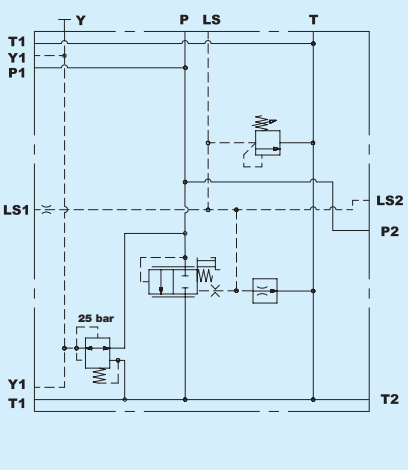
E IBW1455





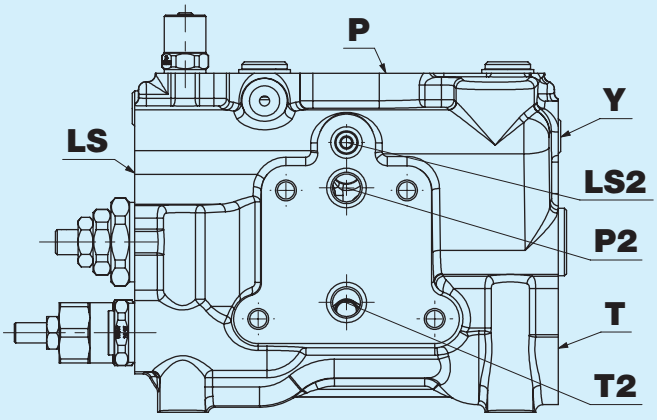
F IBW1477 - Para acionamento eletrohidráulico do elemento

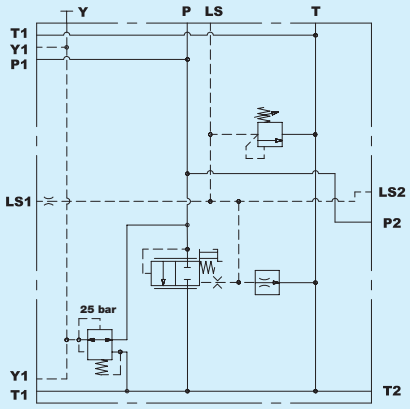




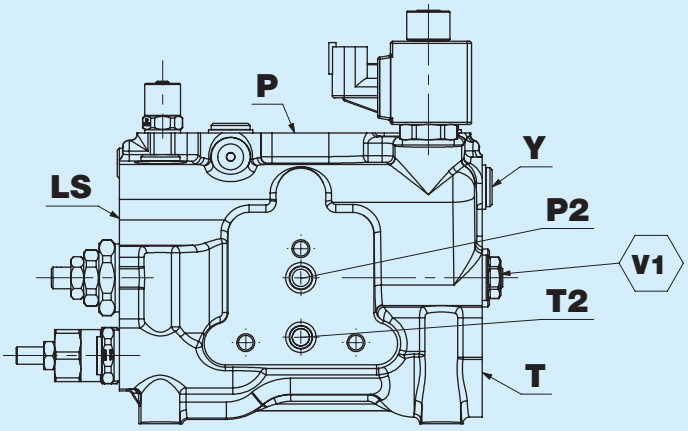
Interface do lado direito

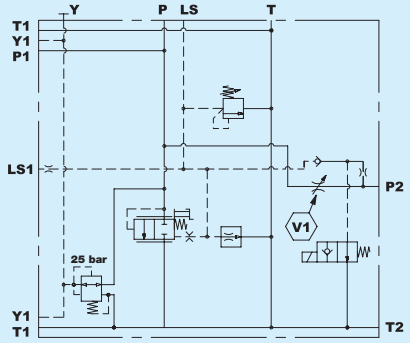
B IBW1033



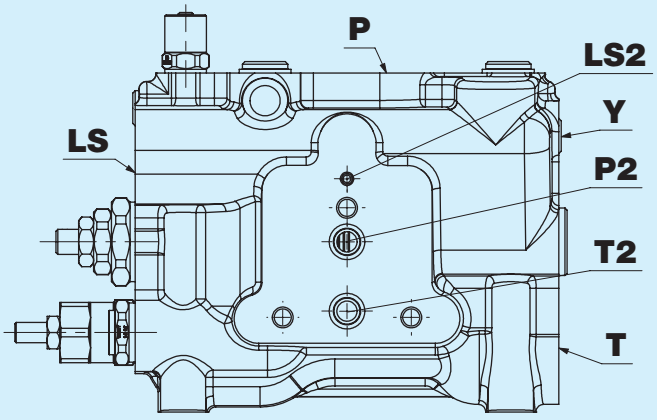


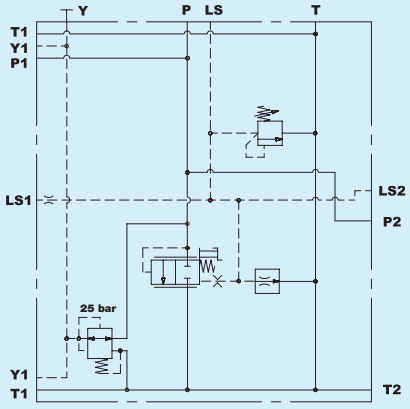
C IBW0500





D IBW0511





Rosqueamento das conexões

Rosqueamento da conexão P

Código	Tipo	Aberto ± 10% Nm
B	1/2'' GÁS ISO 1179	70
F	3/4'' GÁS 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

Rosqueamento da conexão T

Código	Tipo	Aberto ± 10% Nm
B	1/2'' GÁS ISO 1179	70
F	3/4'' GÁS 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

Rosqueamento da conexão LS+

Código	Tipo	Aberto ± 10% Nm
L	1/4'' GÁS ISO 1179	27
3	M14x1,5 ISO 9974	27
K	M14x1,5 ISO 6149	27
P	9/16'' - 18 SAE ISO 11926	27

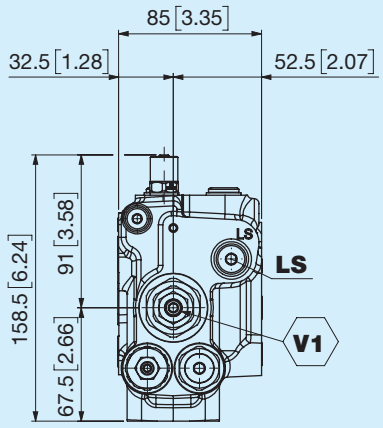
Opções conexões P-T-LS

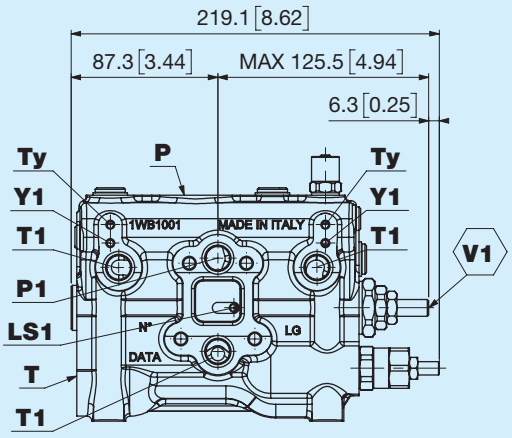
Código	Conexões
A	P-T-LS abertos
B	P-T abertos, LS conectado

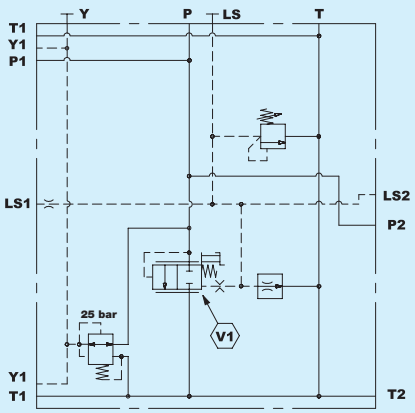
A conexão LS+ estará disponível apenas com válvula booster, consulte o capítulo dedicado.

Compensador principal

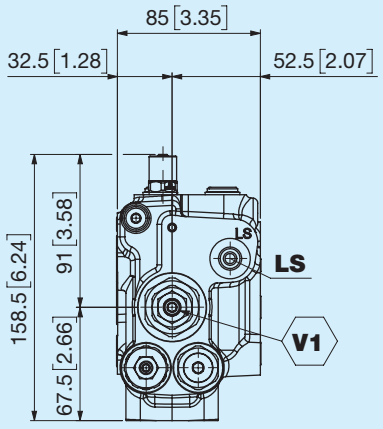
Centro aberto - Bomba fixa

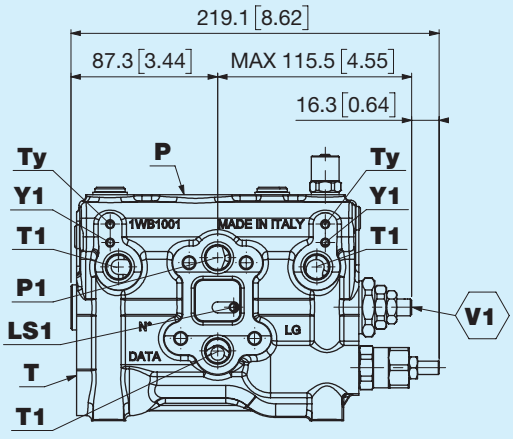


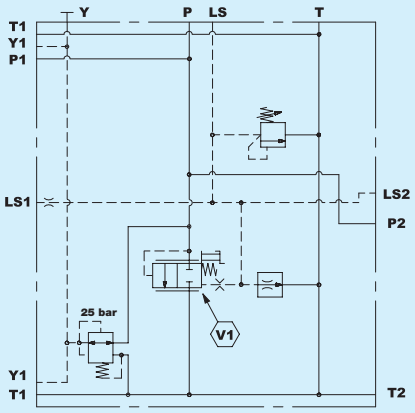




Centro fechado - Bomba Load sensing



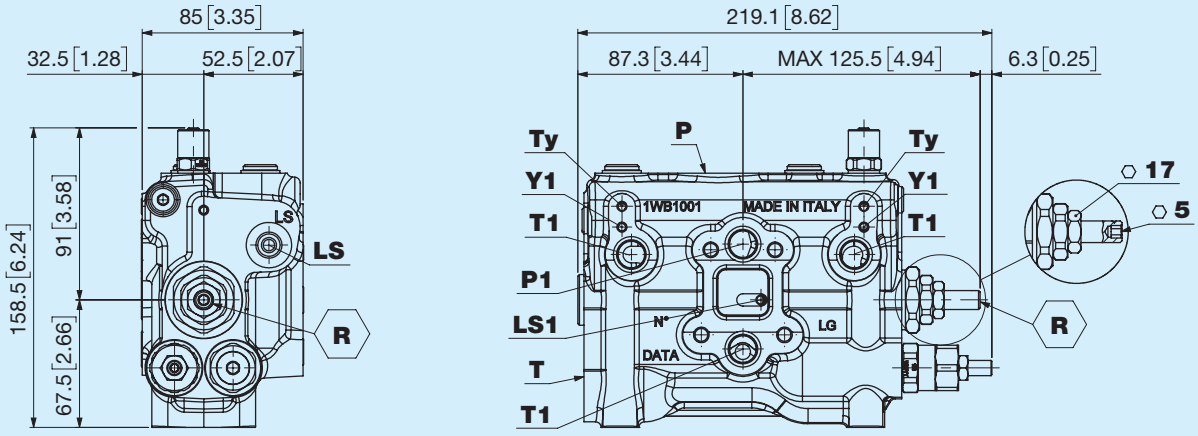




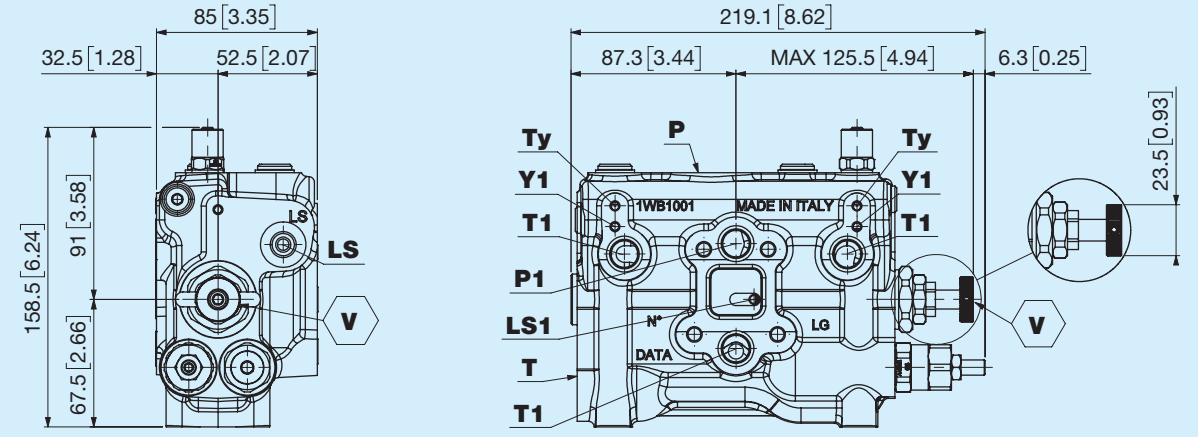
Para a configuração em Centro fechado - Bomba LS aperte o parafuso V1 até o fim de curso no sentido horário, para a configuração Centro aberto - Bomba fixa afrouxe o parafuso V1 até o fim de curso no sentido anti-horário.

Opção do compensador principal

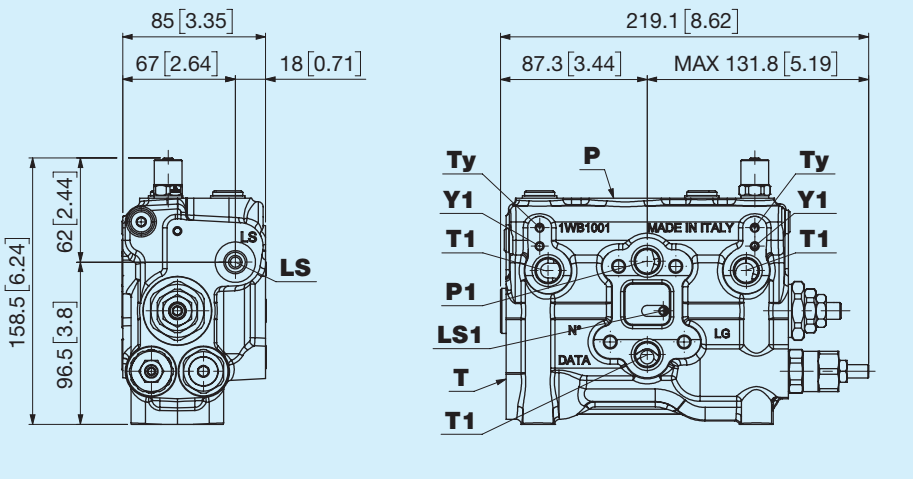
R Regulação do grão

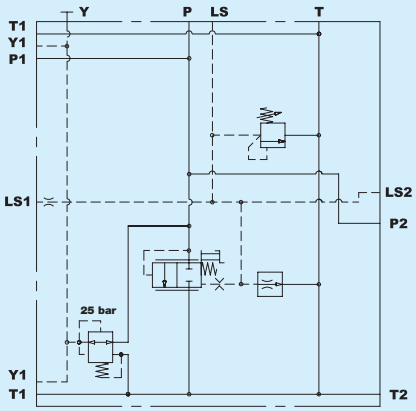


V Regulação com volante

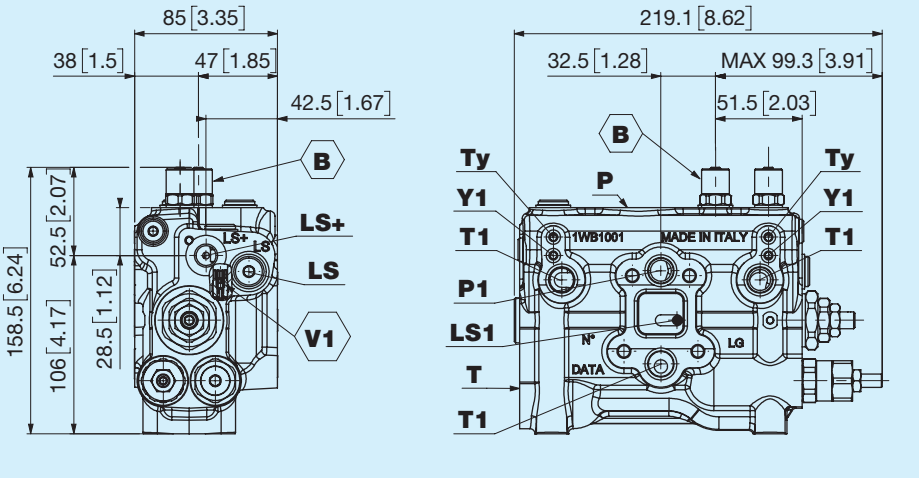


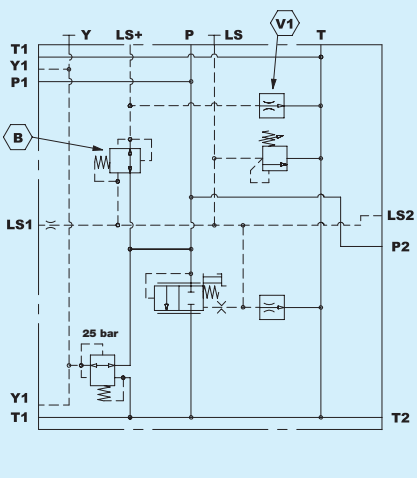
N Nenhuma



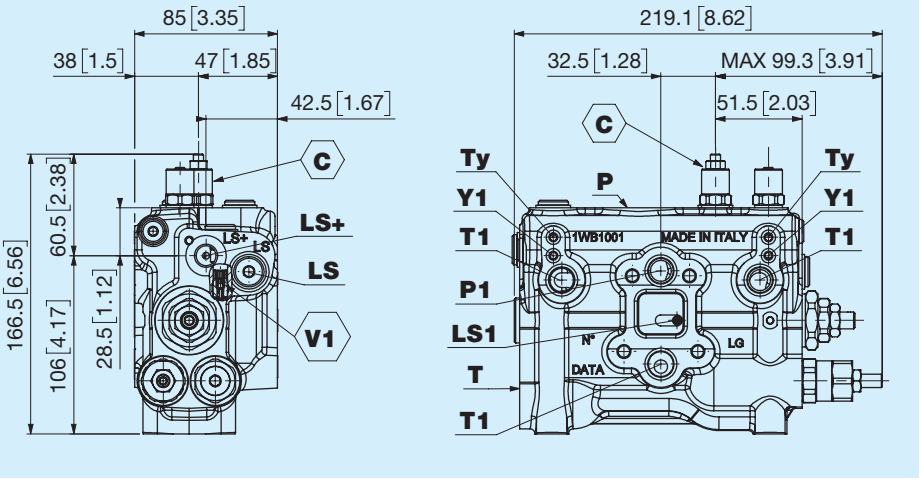


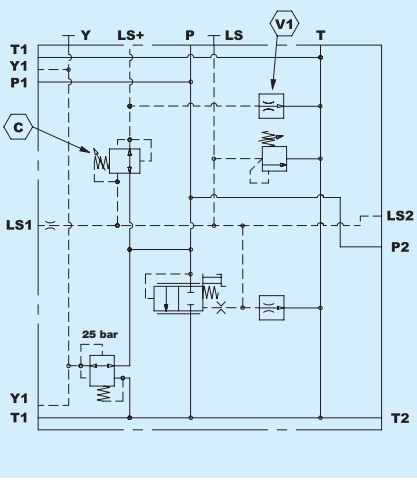
B Válvula booster calibração fixa



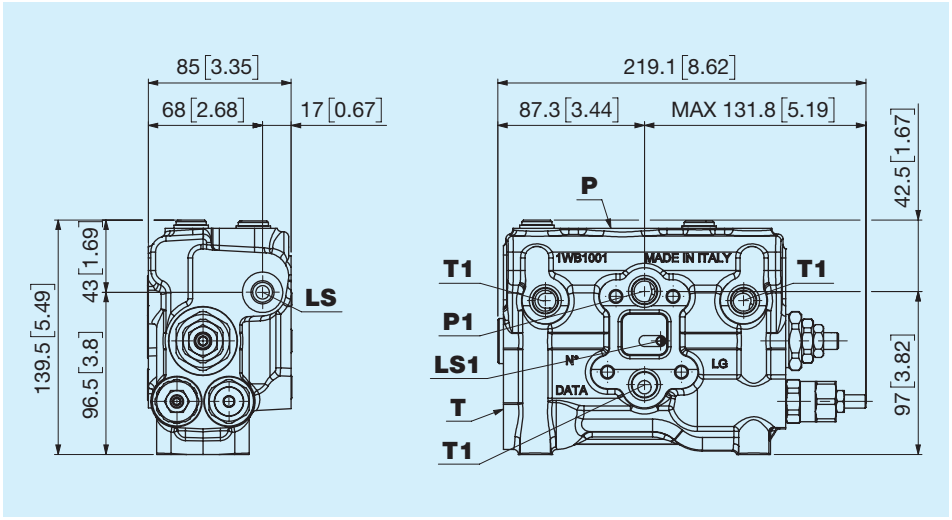


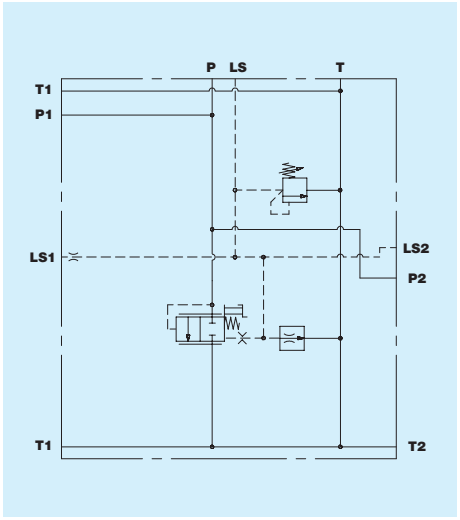
C Válvula booster calibração regulável



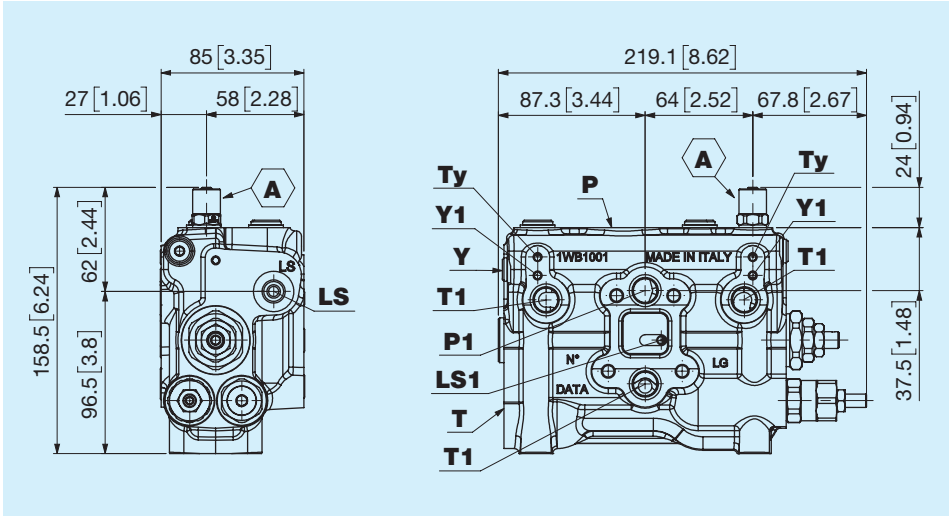


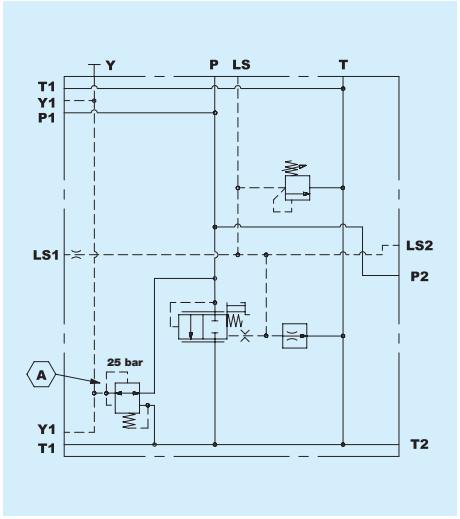
N Nenhuma





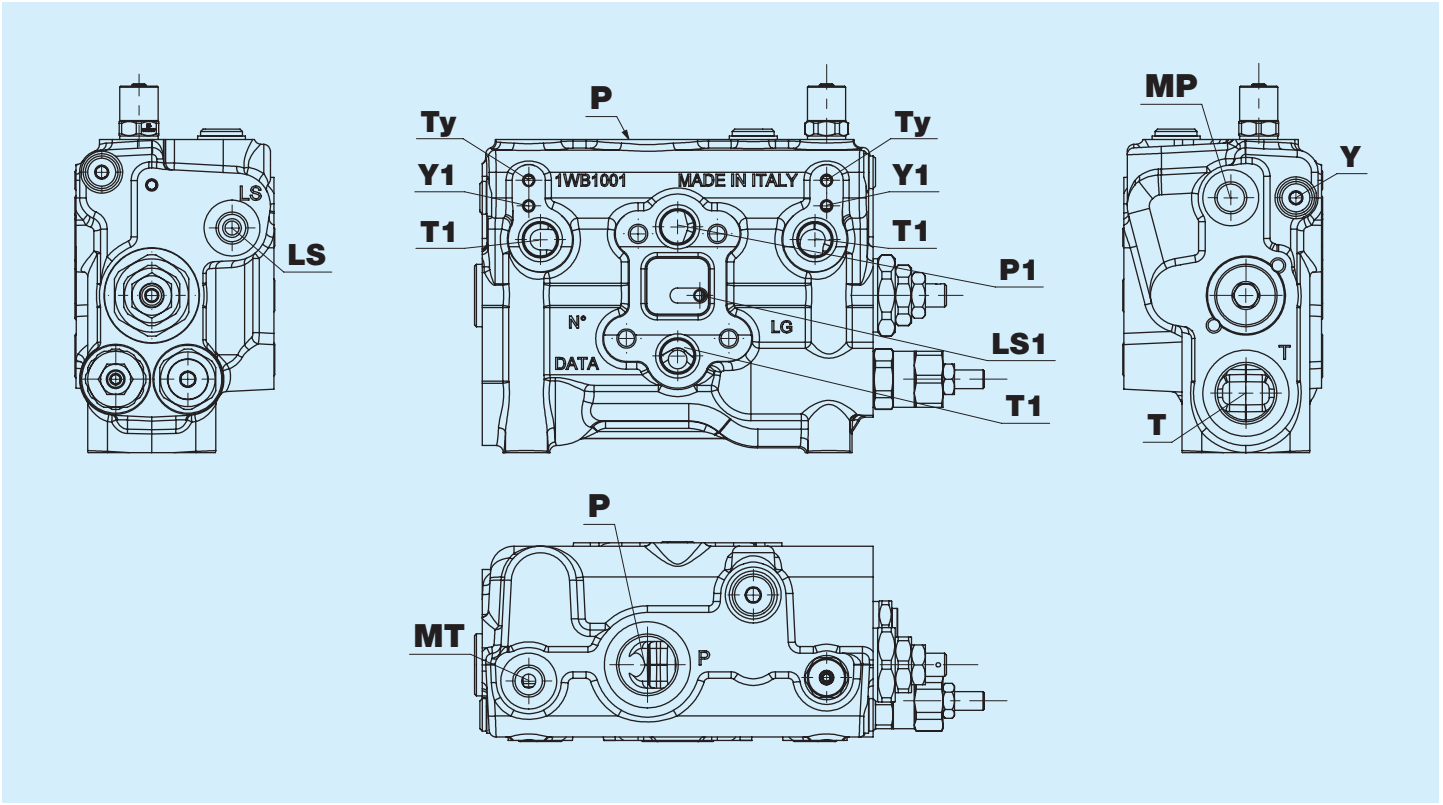
A Padrão de calibração fixa





A válvula redutora de pressão deve sempre estar presente com a interface do lado esquerdo **F** IBW1477 para garantir o acionamento eletro-hidráulico correto do elemento.

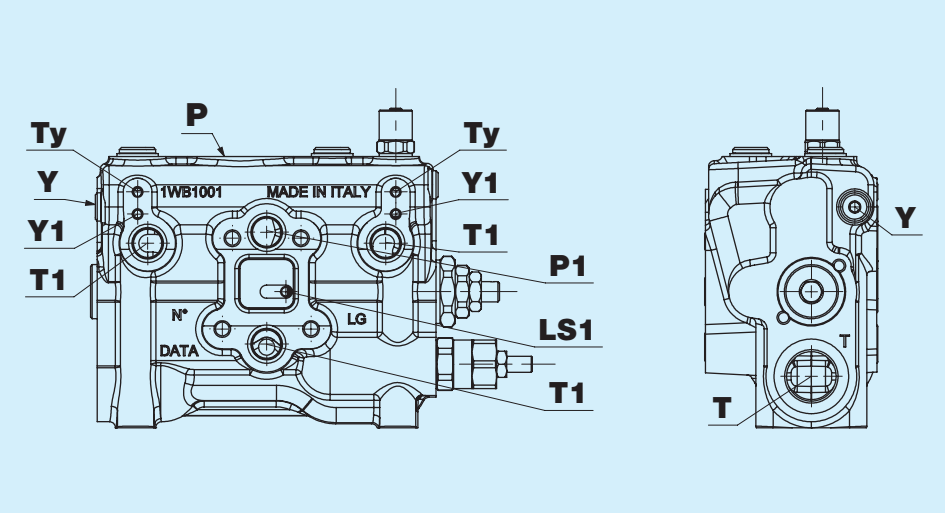
MP e MT - Tomadas manométricas

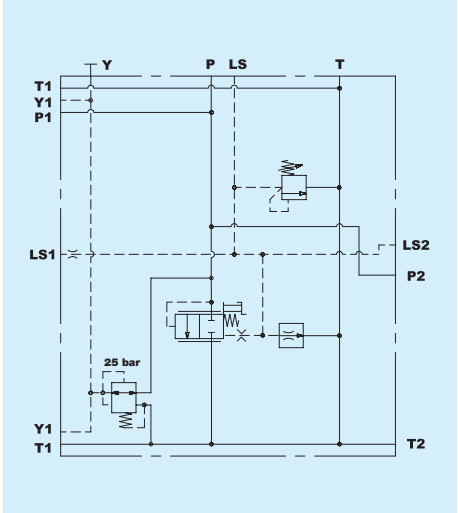


Rosqueamento das conexões MP e MT

Código	Tipo	Aberto ± 10% Nm
N	Nenhum trabalho	
L	1/4'' GÁS ISO 1179	27
3	M14x1,5 ISO 9974	27
K	M14x1,5 ISO 6149	27
P	9/16'' - 18 SAE ISO 11926	27

Conexão Y





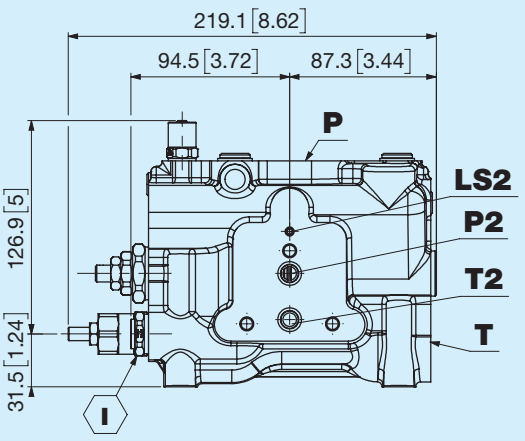
A conexão Y estará presente somente se a interface do lado esquerdo **F** BW1477 for selecionada - Para o acionamento eletro-hidráulico do elemento.

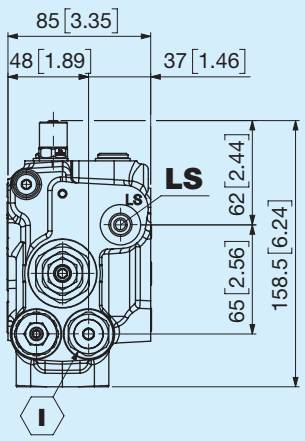
Rosqueamento da conexão Y

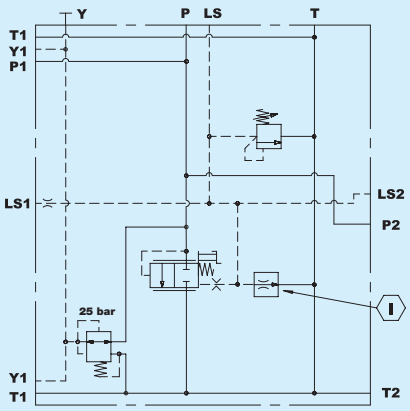
Código	Tipo	Aberto ± 10% Nm
N	Nenhuma	
Q	1/8'' GÁS ISO 1179	12

Opção da linha LS principal

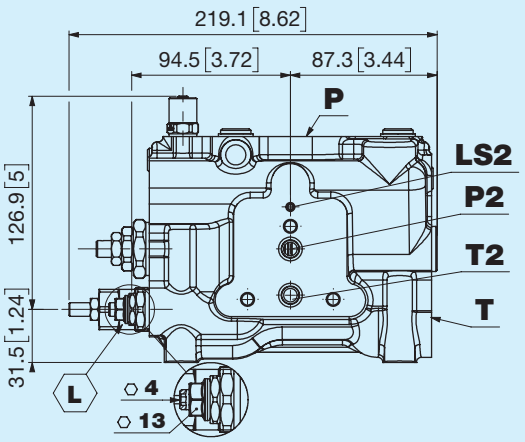
I Válvula de drenagem 0,5 l/min

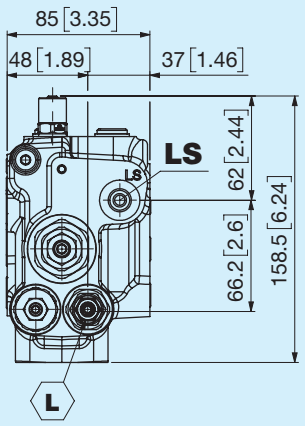


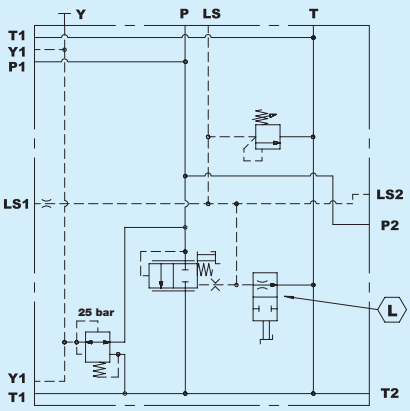




L Válvula de drenagem ON-OFF 0,5 l/min

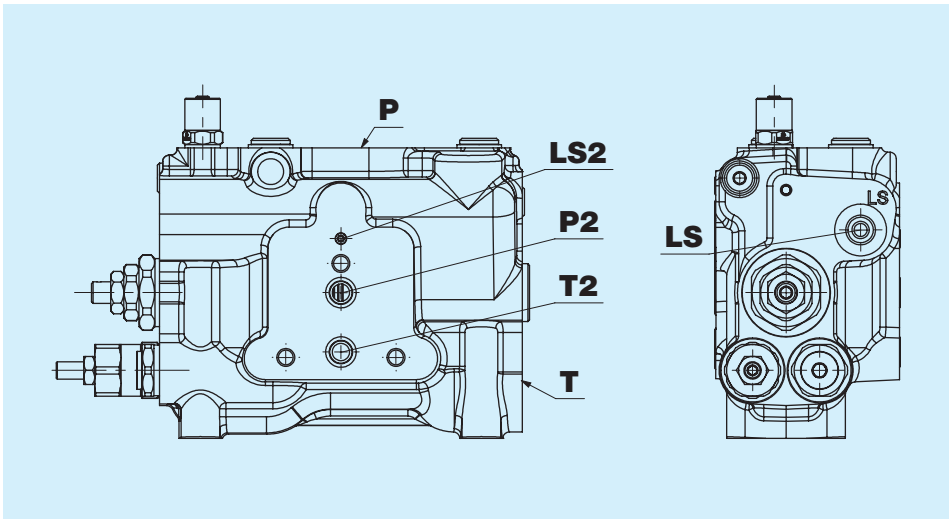


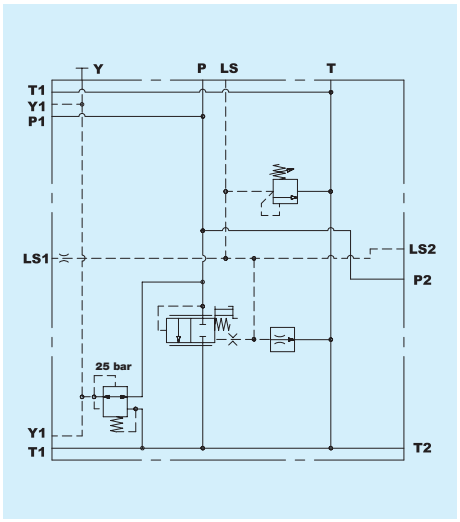




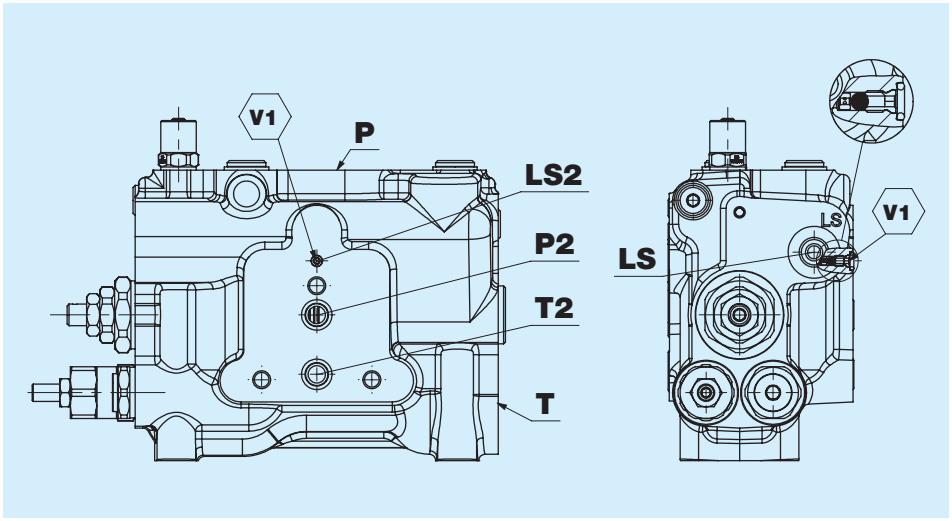
Opção da linha LS adicional - ramo direito

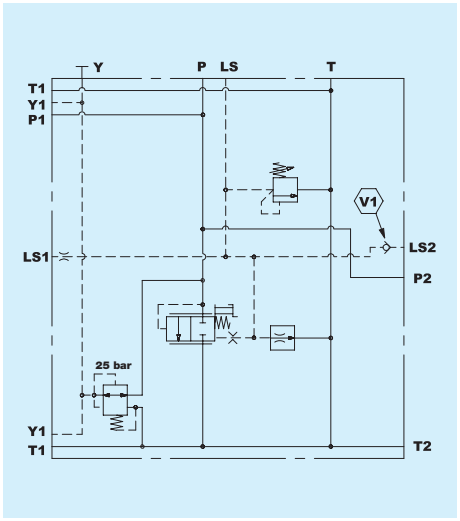
G Geral - nenhuma válvula shuttle





L Local dedicada ao ramo direito - com válvula shuttle

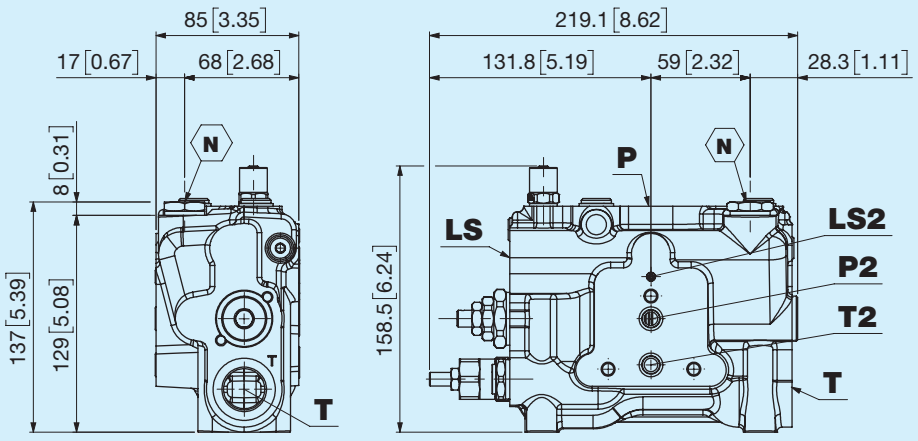


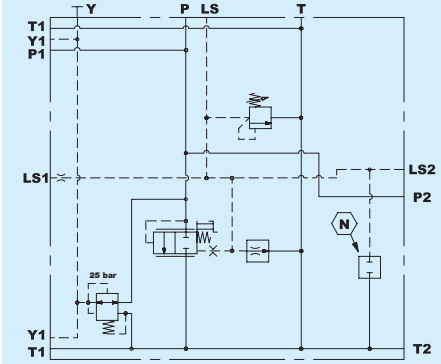


No caso de elementos compensados, para um funcionamento correto, a configuração **L** Local dedicada na ramificação direita que prevê a válvula shuttle na linha LS será sempre necessária.

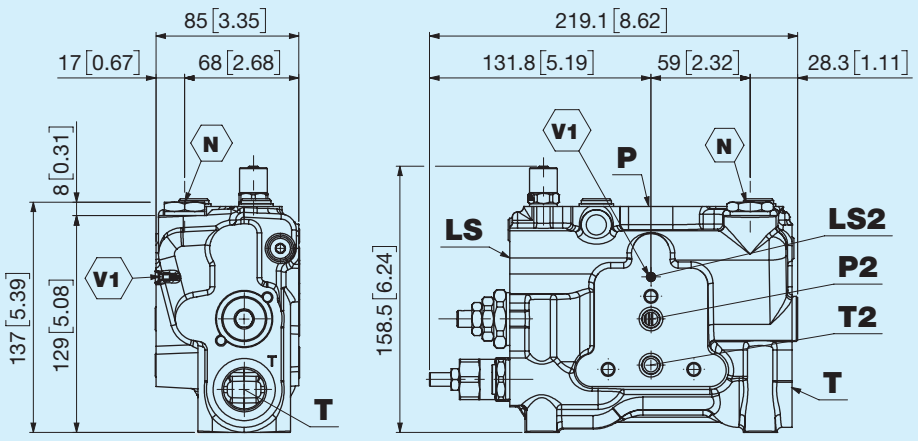
Válvula de descarga linha LS adicional

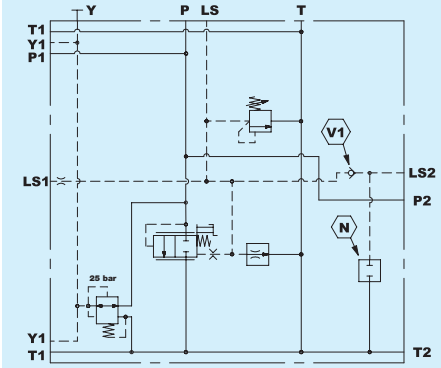
N Tampa de substituição para válvula de descarga e LS Geral



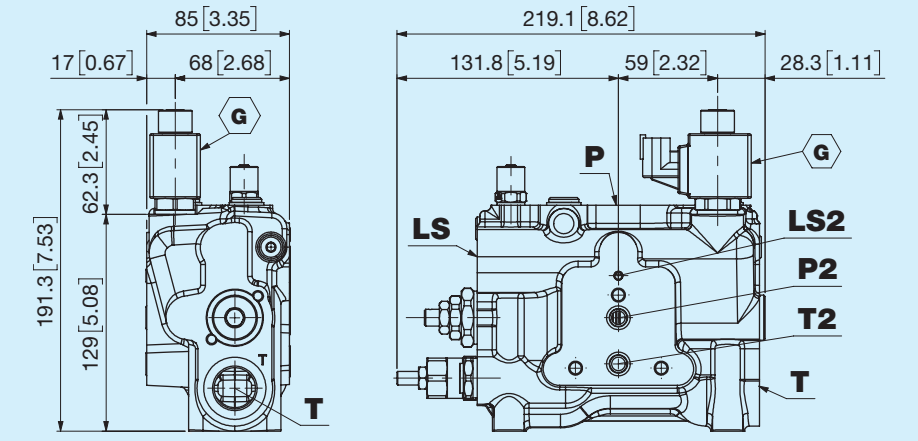


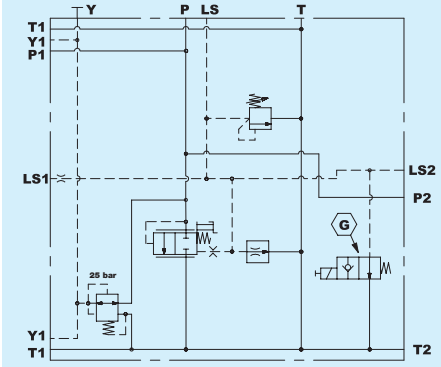
N Tampa de substituição para válvula de descarga e LS Local



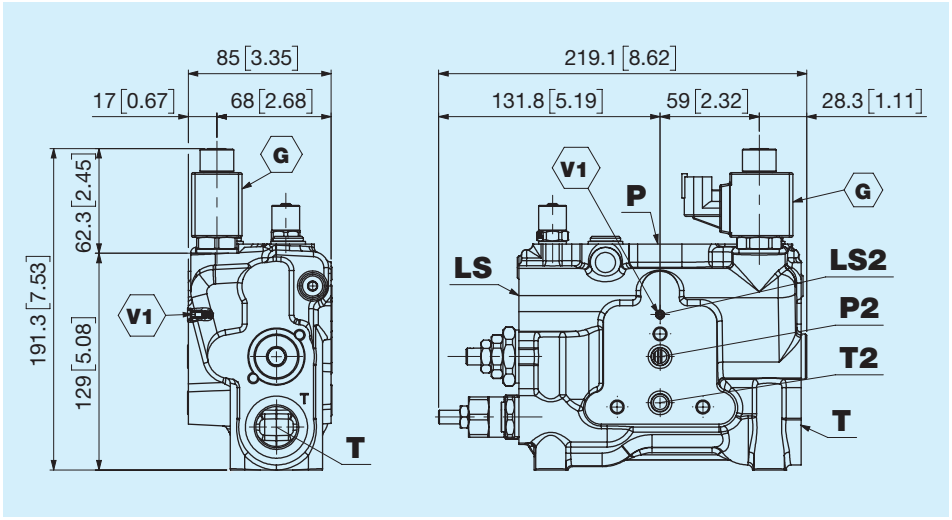


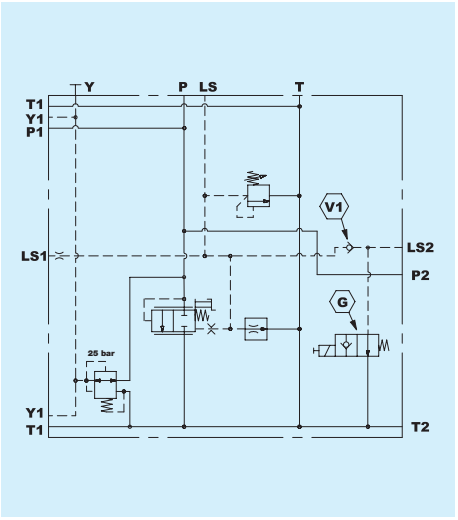
G Com válvula de descarga e LS Geral





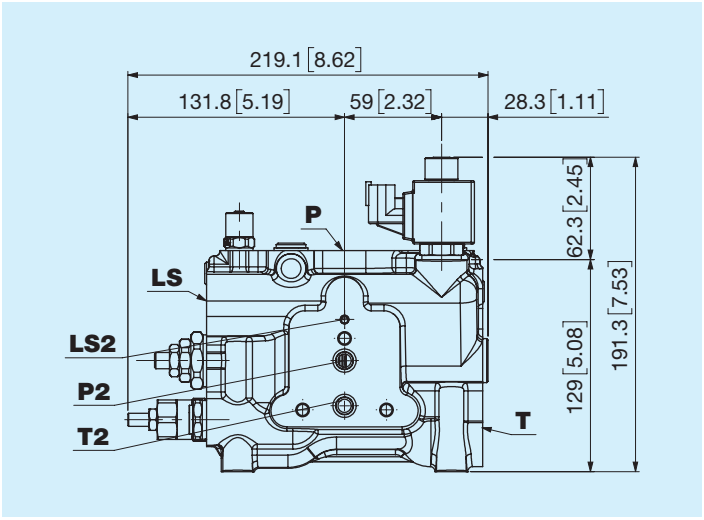
G Com válvula de descarga e LS Local



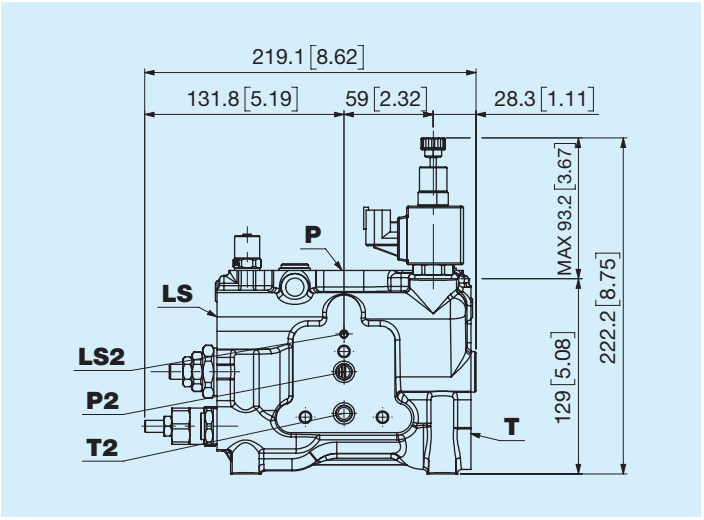


Emergência válvula de descarga linha LS

O Terminal padrão



S Emergência de parafuso



Características elétricas da bobina da válvula de descarga

Tensão	12	24	V (± 10%)
Resistência a 20°C	7,7	32	Ω (± 7%)
Corrente nominal	1,55	0,75	A
Potência	18,6	18	W

Composição do código

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

1 — Interface do lado esquerdo

E IBW1455	**F** IBW1477 - Para acionamento eletrohidráulico do elemento		

2 — Interface do lado direito

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

3 — Tipo de rosca

F Fêmea			

4 — Rosqueamento da conexão P

B 1/2'' GÁS ISO 1179	**N** M22x1,5 ISO 9974	**5** M27x2 ISO 9974	**R** 7/8'' - 14 SAE ISO 11926
F 3/4'' GÁS ISO 1179	**J** M22x1,5 ISO 6149	**U** M27x2 ISO 6149	**V** 1'' 1/16 - 12 SAE ISO 11926

5 — Rosqueamento da conexão T

B 1/2'' GÁS ISO 1179	**N** M22x1,5 ISO 9974	**5** M27x2 ISO 9974	**R** 7/8'' - 14 SAE ISO 11926
F 3/4'' GÁS ISO 1179	**J** M22x1,5 ISO 6149	**U** M27x2 ISO 6149	**V** 1'' 1/16 - 12 SAE ISO 11926

6 — Rosqueamento da conexão LS+

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

7 — Opções sobre a conexão P - T - LS

A P-T-LS abertos	**B** P-T abertos, LS conectado

8 — Opção do compensador principal

R Regulação do grão	**V** Regulação com volante

9 — Opções da linha LS+

N Nenhuma	**B** Válvula booster calibração fixa	**C** Válvula booster calibração regulável

10 11 — Calibração válvula booster

NN Nenhuma	**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 — Opções sobre a conexão LS+

N Nenhuma	**A** Aberta	**B** Conectada

13 — Válvula redutora de pressão

N Nenhuma	**A** Padrão de calibração fixa

Composição do código

16	17	18	19	20	21	22	23 24	25

14 — Rosqueamento da conexão MP

N	Nenhuma	**3**	M14x1,5 ISO 9974	**P**	9/16'' - 18 SAE ISO 11926
L	1/4'' GÁS ISO 1179	**K**	M14x1,5 ISO 6149		

15 — Rosqueamento da conexão MT

N	Nenhuma	**3**	M14x1,5 ISO 9974	**P**	9/16'' - 18 SAE ISO 11926
L	1/4'' GÁS ISO 1179	**K**	M14x1,5 ISO 6149		

16 — Opções das conexões MP - MT

N	Nenhuma	**B**	MP conectado, MT não trabalhado	**F**	MP e MT conectados
A	MP aberto, MT não trabalhado	**E**	MP e MT abertos		

17 — Rosqueamento da conexão Y

N	Nenhuma	**Q**	1/8'' GÁS ISO 1179

18 — Opção da conexão Y

N	Nenhuma	**A**	Aberta	**B**	Conectada

19 — Opção da linha LS principal

I	Válvula de drenagem 0,5 l/min	**L**	Válvula de drenagem ON-OFF 0,5 l/min

20 — Opção da linha LS adicional - ramo direito

G	Geral - nenhuma válvula shuttle	**L**	Local dedicada ao ramo direito - com válvula shuttle

21 — Válvula de descarga linha LS adicional

N	Tampa de substituição	**A**	12V DIN 43650	**G**	12V DEUTSCH DT04-2P
X	Não predisposta	**B**	24V DIN 43650	**H**	24V DEUTSCH DT04-2P

22 — Tipo de válvula de emergência para descarga linha LS

N	Nenhuma	**O**	Terminal padrão	**S**	Emergência de parafuso

23 24 — Tipo de válvula de máxima pressão

00	Tampa de substituição 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		

25 — Tratamento externo

N	Nenhum	**Z**	Galvanização