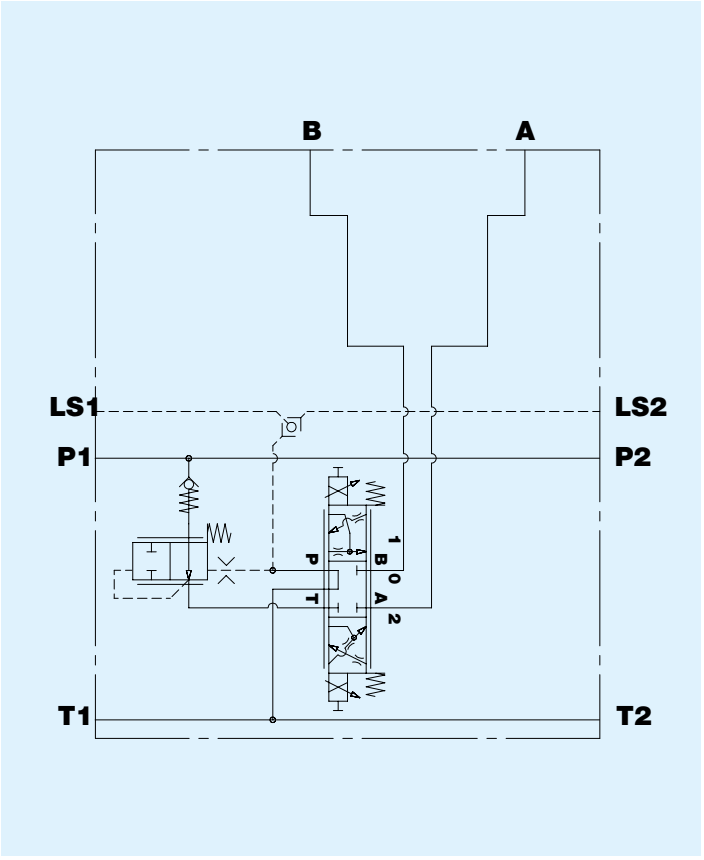
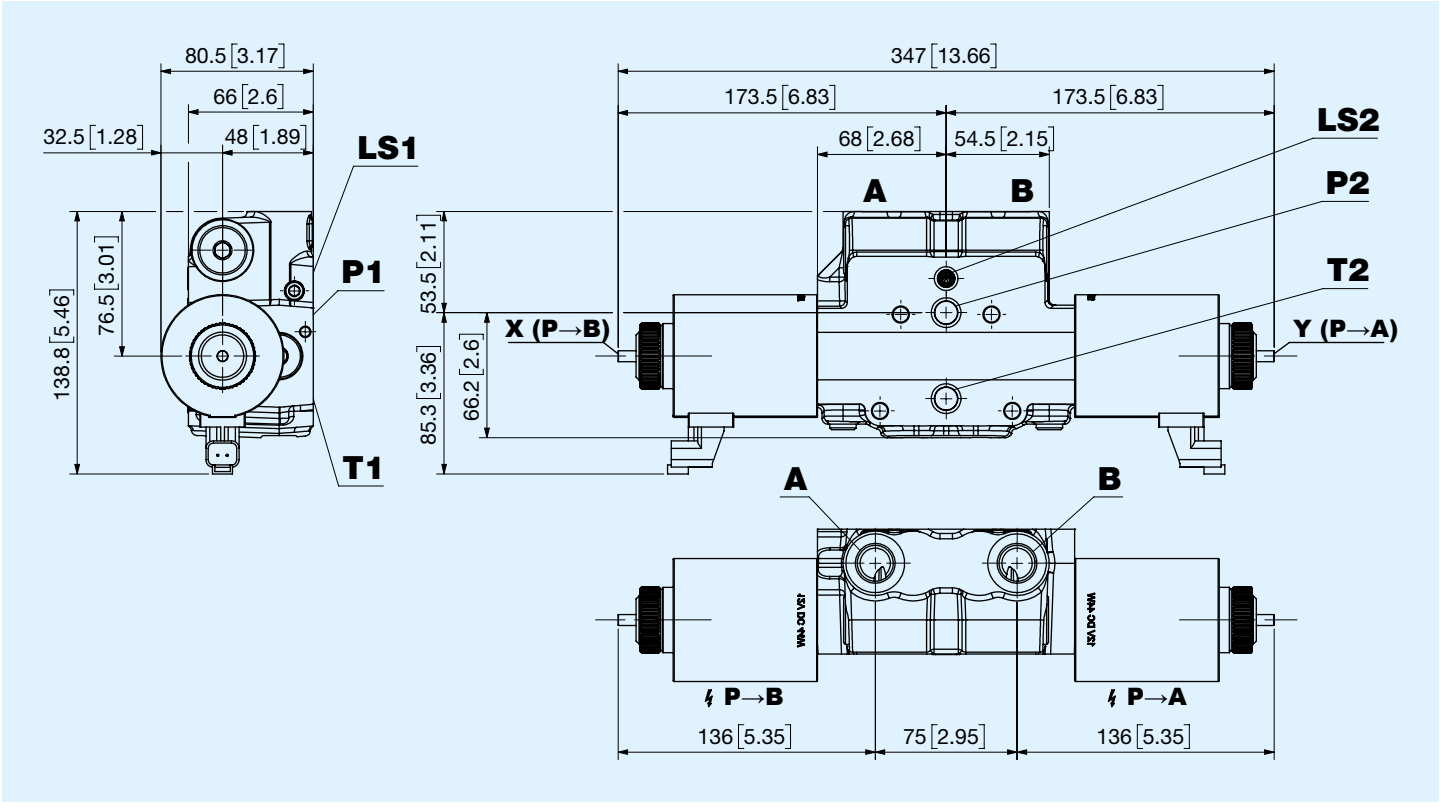
BW1033CP Elemento 4/3 Proporcional Load Sensing pré-compensado
Interface IBW1033

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

Vazãonnominal	**90 l/min - ΔP=10 bar** ***23,78 US gpm - ΔP=145 psi***
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 d	**de 15 mm²/s a 90 mm²/s** ***(15 cSt a 90 cSt)***
Fluido	**Fluidos hidráulicos definidos pela norma ISO 6743-4**
Massa	**6,8 Kg** ***15 lb***
Interface	**IBW1033**
Histerese	**<10%**

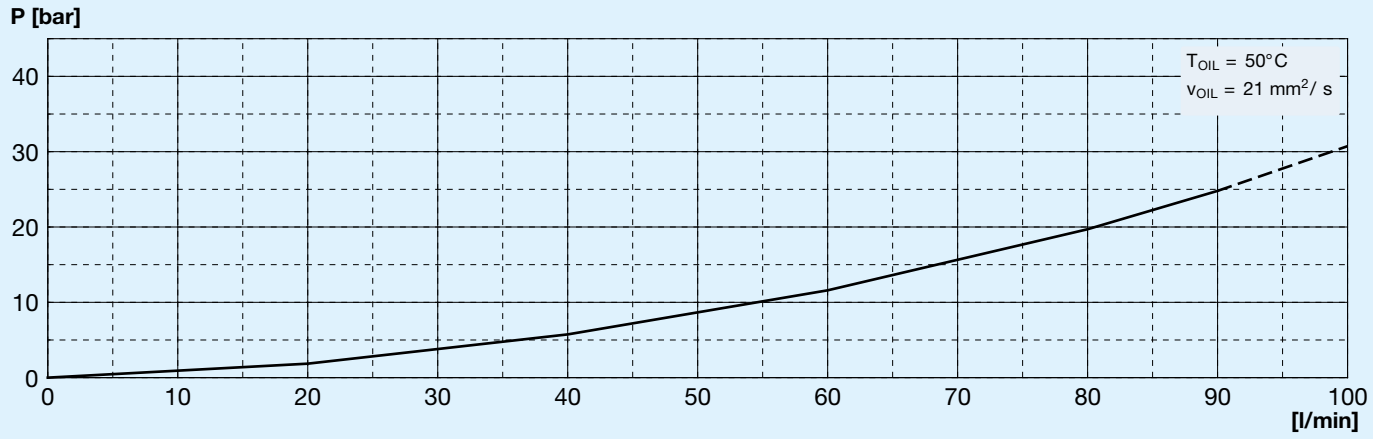


Dimensão



X - Y = Emergência com botão em impulso

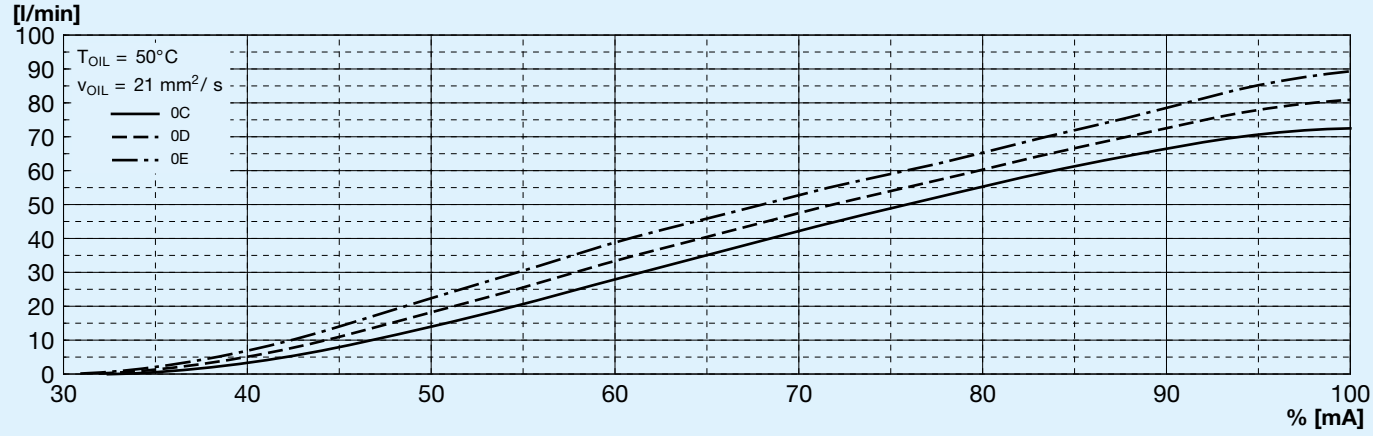
Curva característica A/B-T



Parâmetros de teste: Circuito **003**

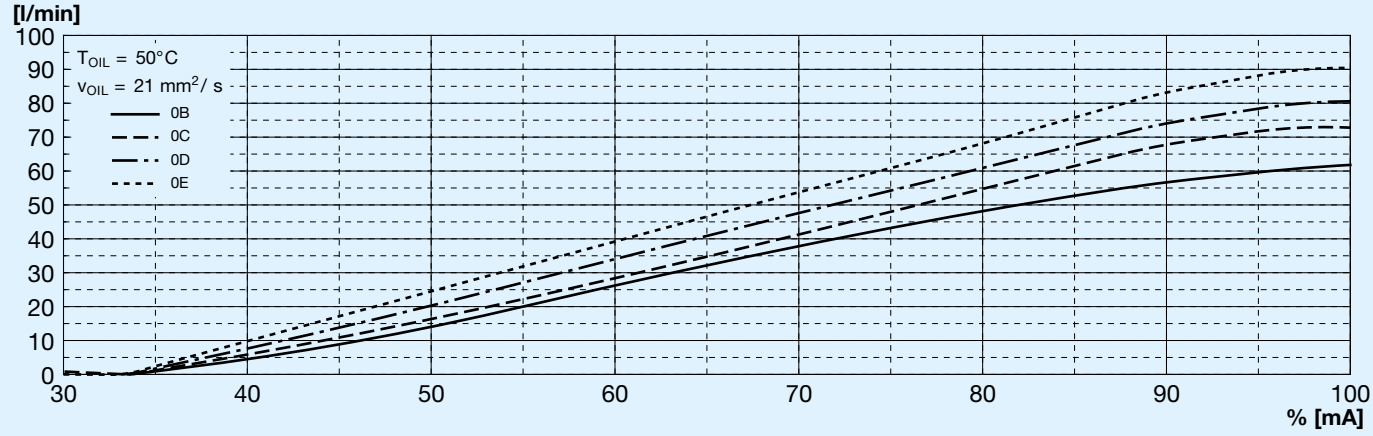
Curva característica Metering - Circuito **001**

Δp = 10 bar PWM = 100 Hz I Máx=2200 mA 12V (± 100 mA) I Máx=1100 mA 24V (± 100 mA)

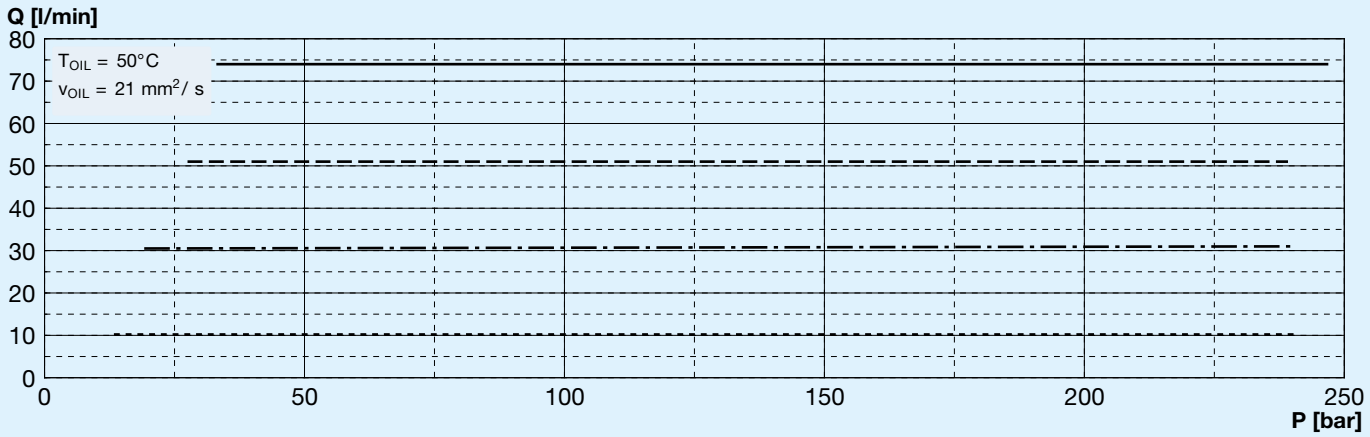


Curva característica Metering - Circuito **003**

Δp = 10 bar PWM = 100 Hz I Máx=2200 mA 12V (± 100 mA) I Máx=1100 mA 24V (± 100 mA)

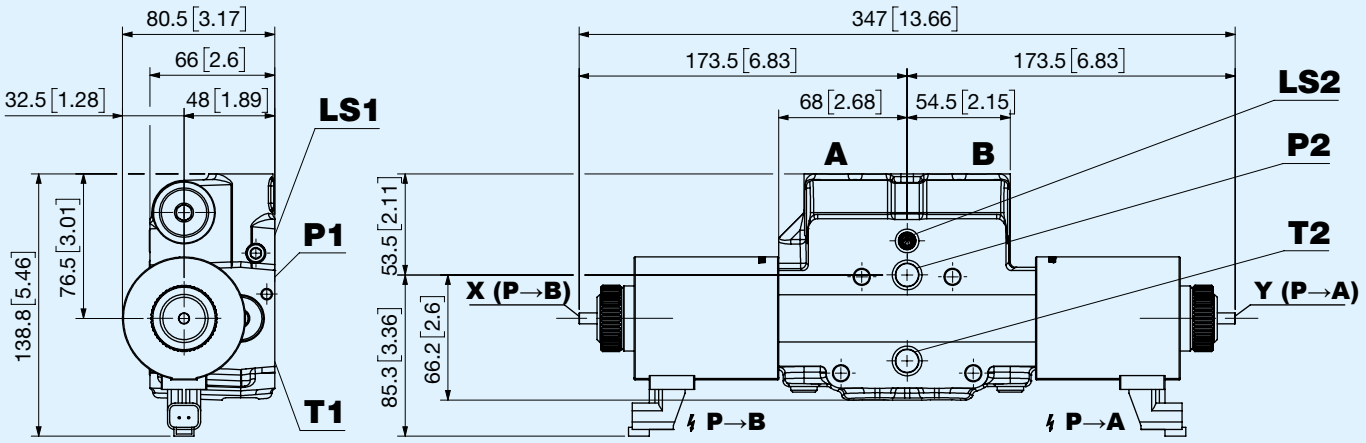


Curva de compensação

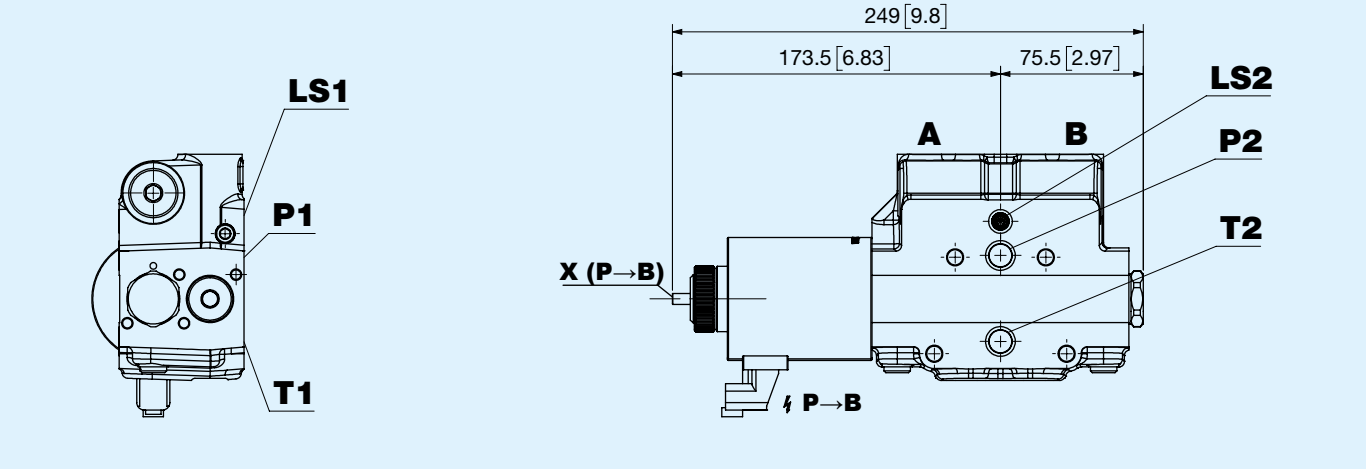


Parâmetros de teste: Circuito **003**

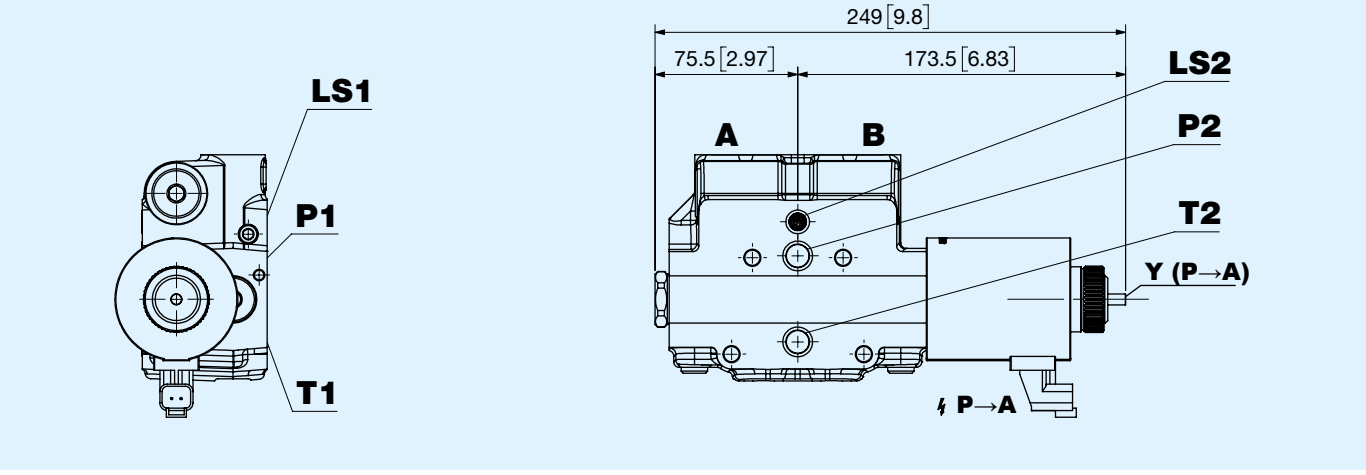
A Duas bobinas conexão lado A e B



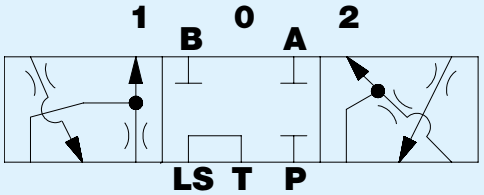
E Uma bobina lado da conexão A



F Uma bobina lado da conexão B



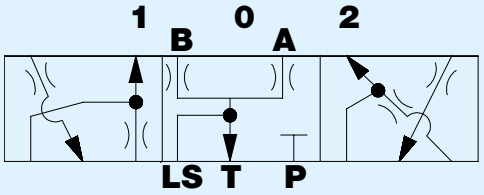
001 Circuito



Posições

1	0	2
P,LS → A B → T	P,A,B ⊣ LS → T	P,LS → B A → T

003 Circuito

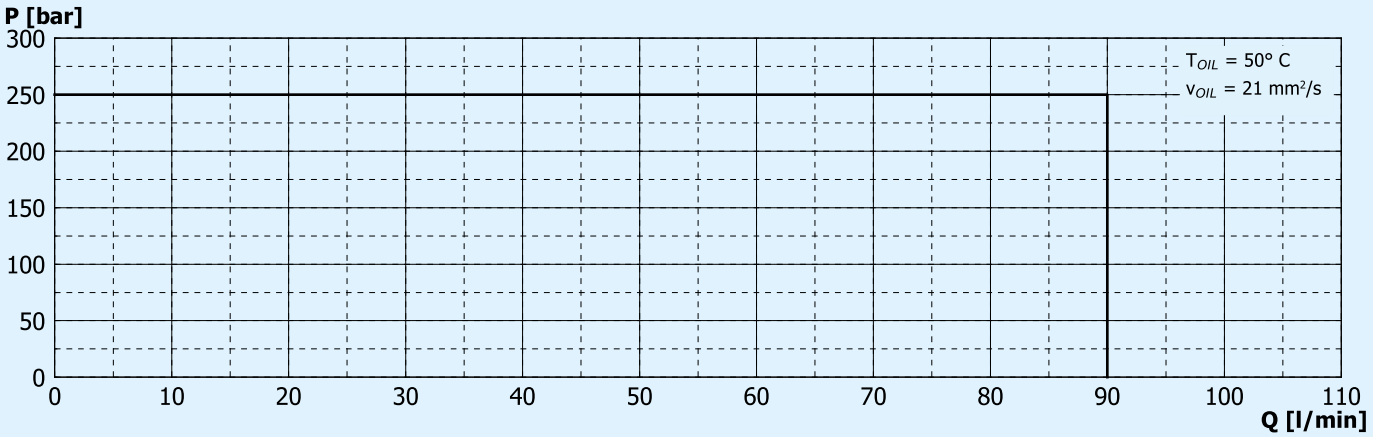


1	0	2
P,LS → A B → T	A,B,LS → T P ⊣	P,LS → B A → T

Vazão

Código	l/min	US gpm
0A	50	13,21
0B	60	15,85
0C	70	18,49
0D	80	21,13
0E	90	23,77

Limites de uso por circuito

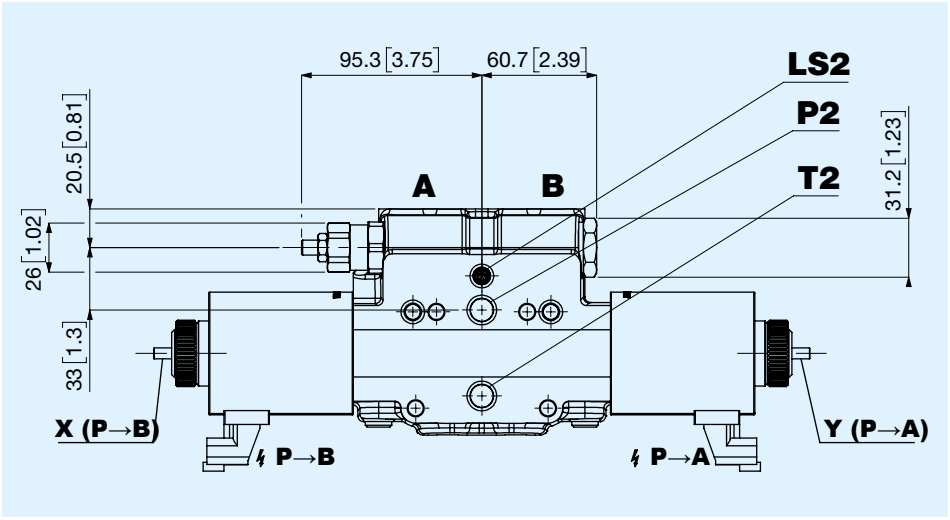


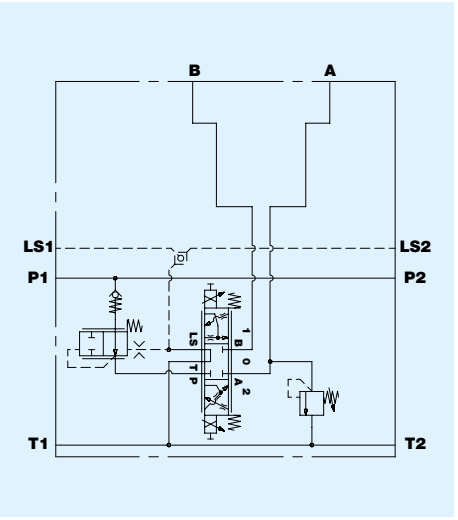
Rosqueamento das conexões A e B

Código	Tipo	Aberto ± 10% Nm
B	1/2'' GÁS ISO 1179	70
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
R	7/8'' - 14 SAE ISO 11926	70

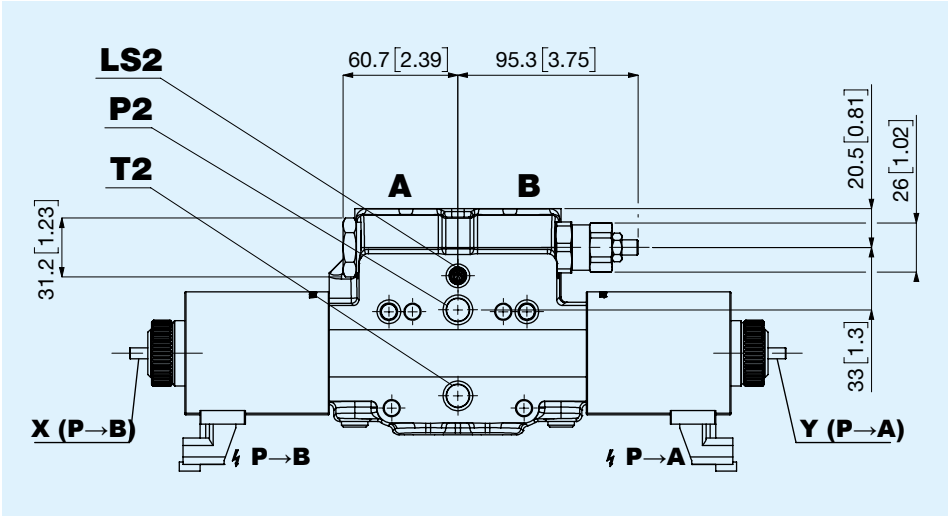
Tipo de válvula conexão A - B

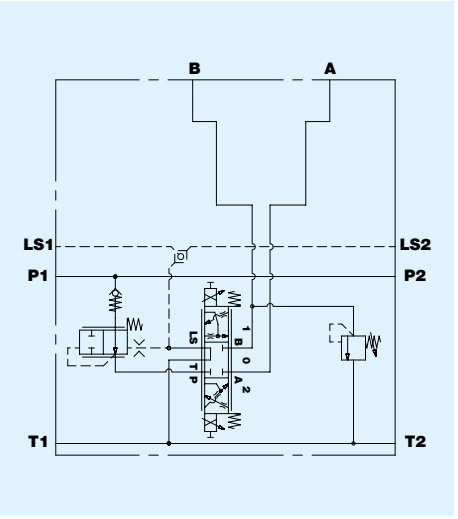
VL Válvula limitadora de pressão conexão A



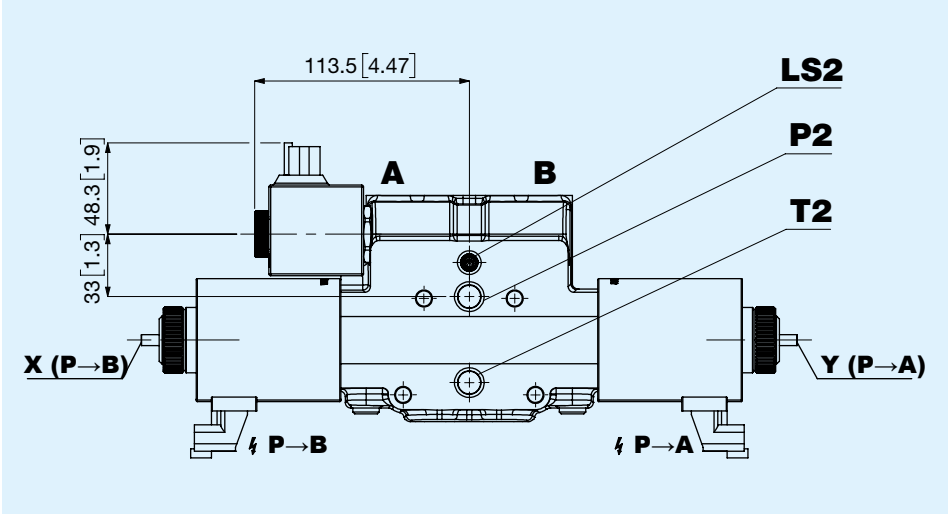


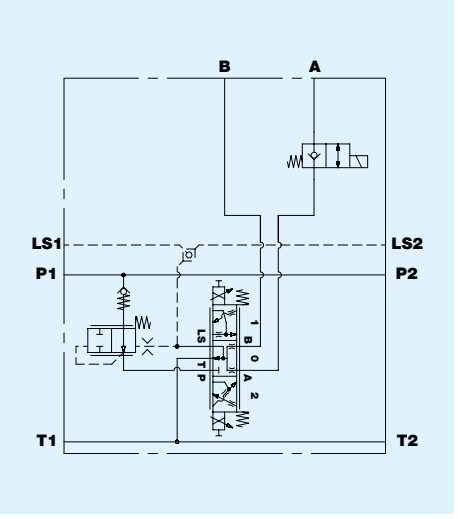
VL Válvula limitadora de pressão conexão B



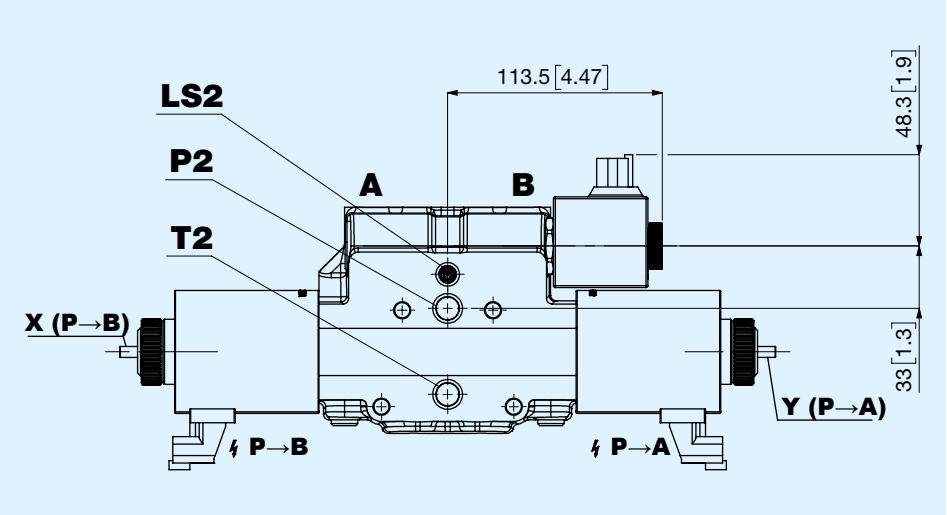


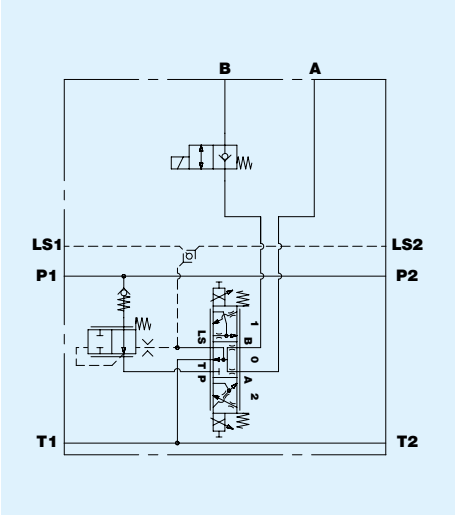
NE Eletroválvula 2/2 conexão A



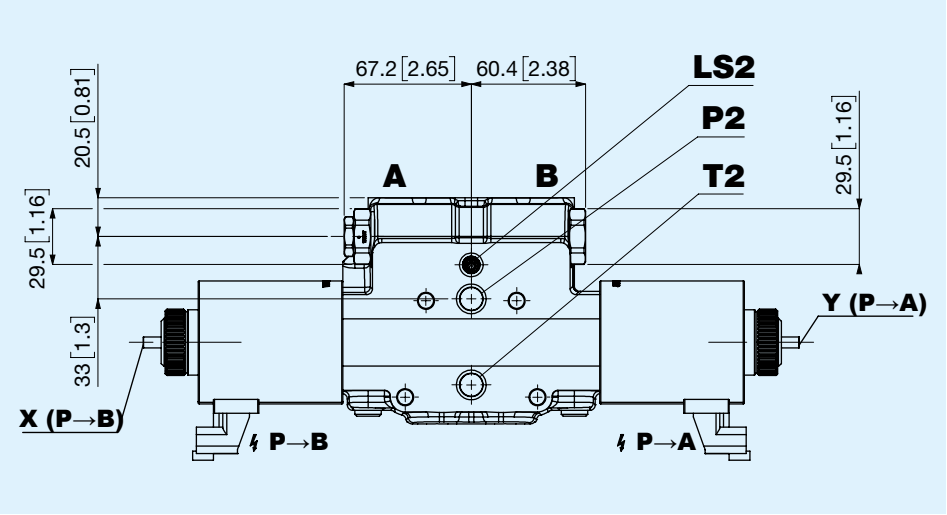


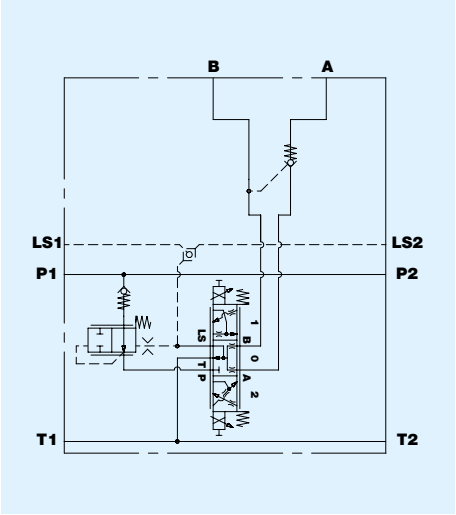
NE Eletroválvula 2/2 conexão B



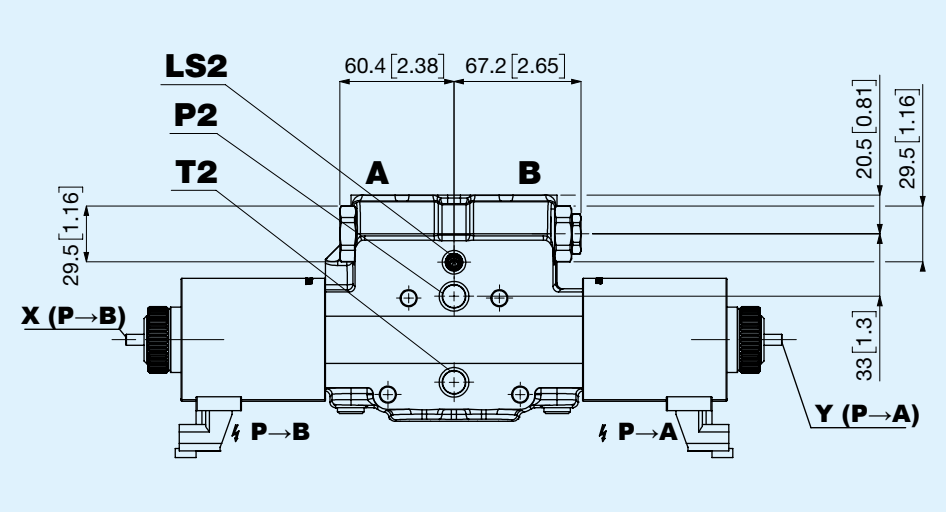


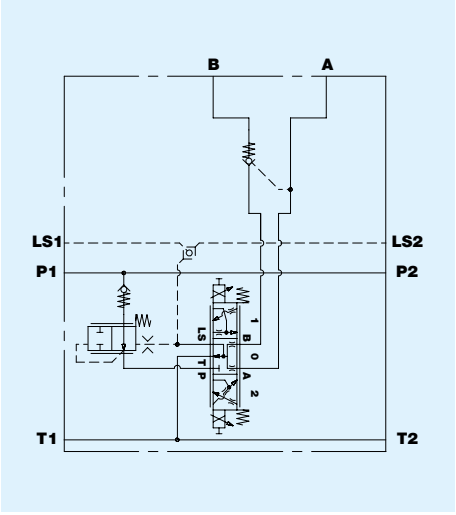
VB Válvula de bloqueio pilotada conexão A





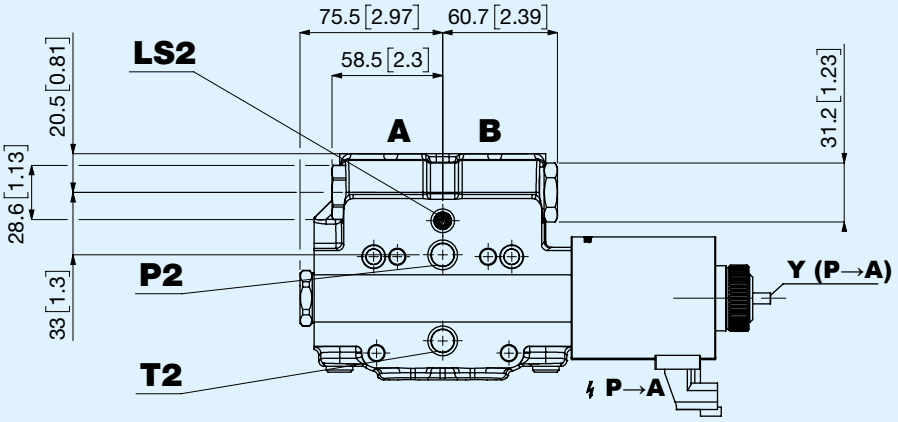
VB Válvula de bloqueio pilotada conexão B

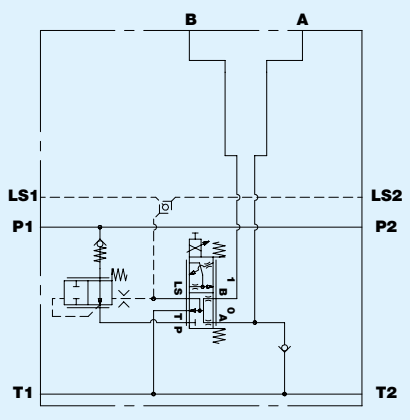




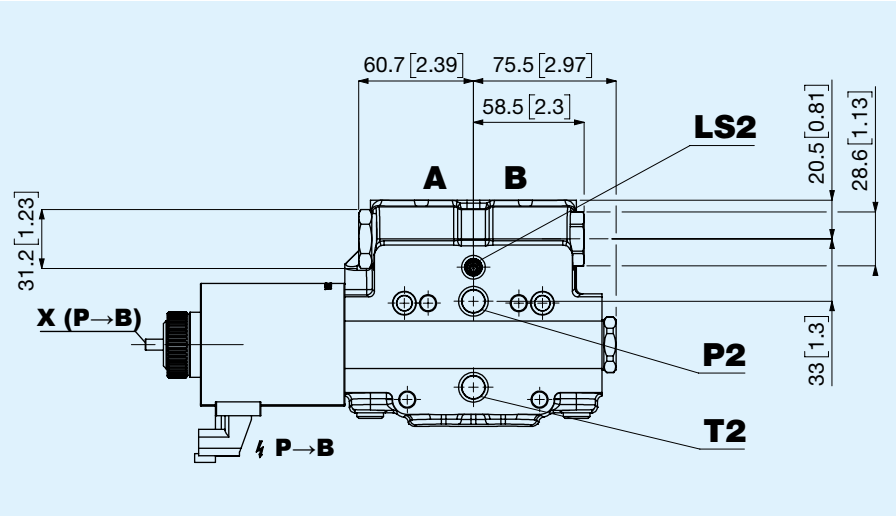
Tipo de válvula conexão A - B

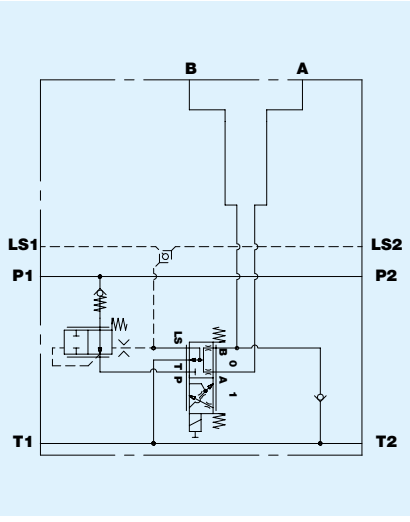
VC Válvula de anticavitação conexão A





VC Válvula de anticavitação conexão B





Possíveis combinações da válvula da conexão A e B

Conexão A	Conexão B				
	NN	VL	NE	VB	VC
NN	•	•	•	•	•
VL	•	•			•
NE	•		•		
VB	•			•	

NN - Nenhuma
VL - Válvula limitadora de pressão
NE - Eletroválvula 2/2
VB - Válvula de bloqueio pilotada
VC - Válvula de anticavitação

Composição do código

BW1033CP	1	2 3 4	5 6	7	8 9	10 11	12	13

1 — Configurações

A	Duas bobinas conexão lado A e B	**E**	Uma bobina lado da conexão A	**F**	Uma bobina lado da conexão B

2 3 4 — Circuitos

001	Circuito	**003**	Circuito

5 6 — Vazão DP = 10 bar

0A	50 l/min - 13,21 US gpm	**0C**	70 l/min - 18,49 US gpm	**0E**	90 l/min - 23,77 US gpm
0B	60 l/min - 15,85 US gpm	**0D**	80 l/min - 21,13 US gpm		

7 — Rosqueamento das conexões A e B

B	1/2'' GÁS ISO 1179	**N**	M22x1,5 ISO 9974	**J**	M22x1,5 ISO 6149	**R**	7/8'' - 14 SAE ISO 11926

8 9 — Tipo de válvula da conexão A

NN	Nenhuma	**09**	VL 90 bar	**15**	VL 150 bar	**21**	VL 210 bar
NE	Eletroválvula 2/2	**10**	VL 100 bar	**16**	VL 160 bar	**22**	VL 220 bar
VB	Válvula de bloqueio pilotada	**11**	VL 110 bar	**17**	VL 170 bar	**23**	VL 230 bar
VC	Válvula de anticavitação	**12**	VL 120 bar	**18**	VL 180 bar	**24**	VL 240 bar
07	VL 70 bar	**13**	VL 130 bar	**19**	VL 190 bar	**25**	VL 250 bar
08	VL 80 bar	**14**	VL 140 bar	**20**	VL 200 bar		

10 11 — Tipo de válvula da conexão B

NN	Nenhuma	**09**	VL 90 bar	**15**	VL 150 bar	**21**	VL 210 bar
NE	Eletroválvula 2/2	**10**	VL 100 bar	**16**	VL 160 bar	**22**	VL 220 bar
VB	Válvula de bloqueio pilotada	**11**	VL 110 bar	**17**	VL 170 bar	**23**	VL 230 bar
VC	Válvula de anticavitação	**12**	VL 120 bar	**18**	VL 180 bar	**24**	VL 240 bar
07	VL 70 bar	**13**	VL 130 bar	**19**	VL 190 bar	**25**	VL 250 bar
08	VL 80 bar	**14**	VL 140 bar	**20**	VL 200 bar		

12 — Tensão e conector

A	12V DIN 43650	**B**	24V DIN 43650	**G**	12V DEUTSCH DT04-2P	**H**	24V DEUTSCH DT04-2P

13 — Tratamento externo

N	Nenhum	**Z**	Galvanização