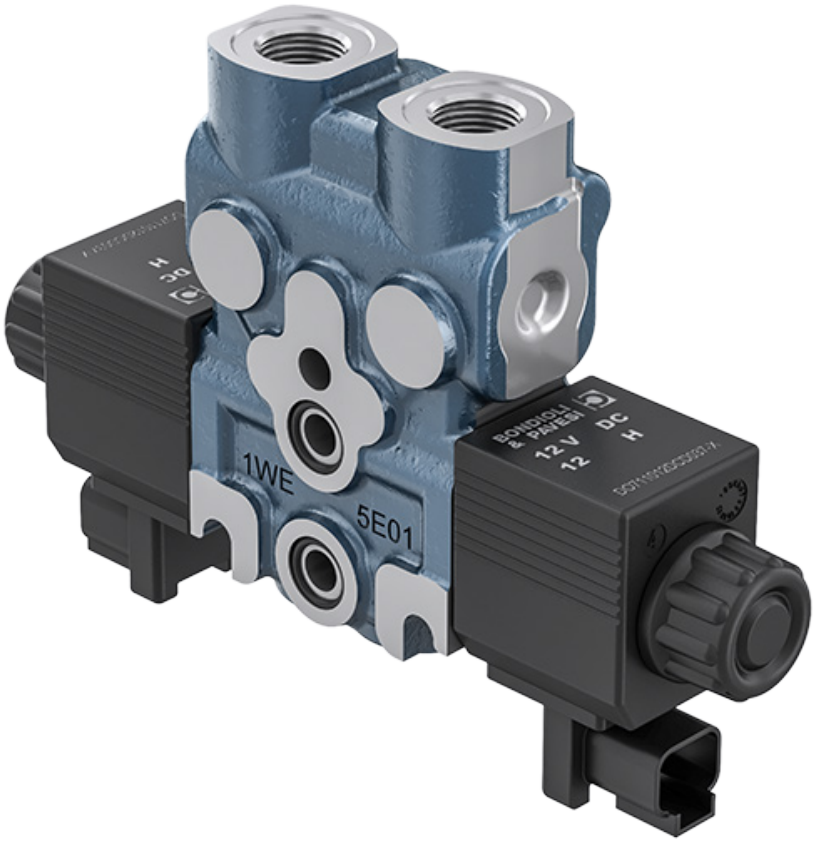
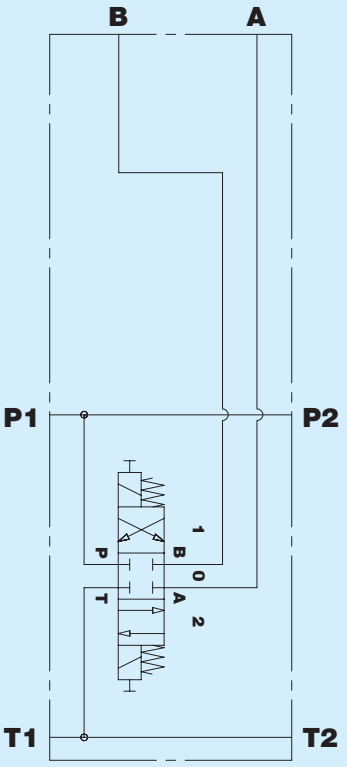
BW0500BO Elemento 4/3 ON-OFF com conexões superiores
Interface IBW0500

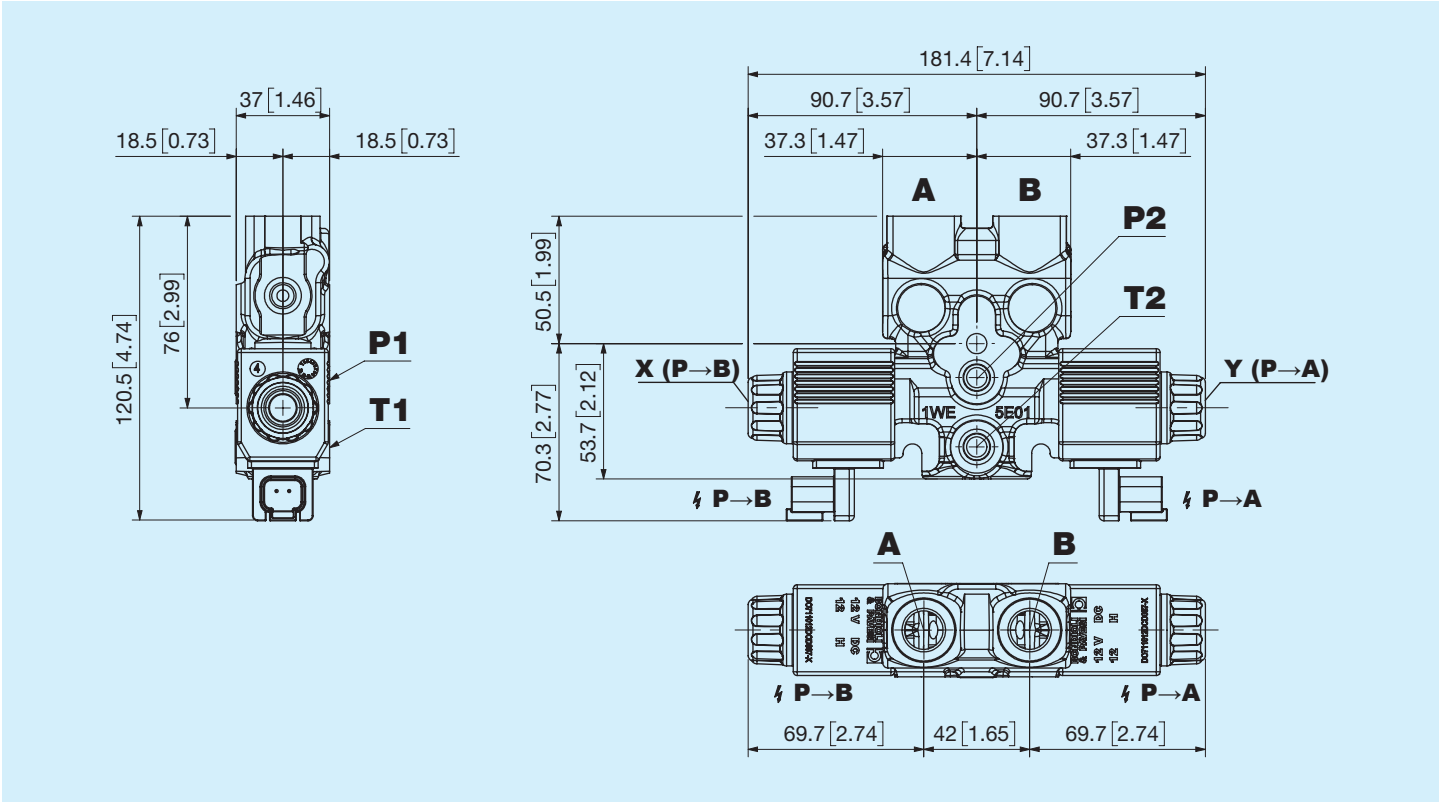


Antes de iniciar o uso, leia atentamento o documento INSTRUÇÕES GERAIS DE USO PARA AS VÁLVULAS DE CONTROLE DIRECIONAL

Vazãonnominal	**50 l/min** ***13,2 US gpm***
Pressão nominal	**250 bar** ***3625 psi***
Contrapressão máxima para a descarga	**50 bar** ***725 psi***
Máximo troquel interno	**40 ± 20 cc/min** ***(21 cSt - 100 bar)***
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	**1,6 Kg** ***3,5 lb***
Interface	**IBW0500**



Dimensões de volume

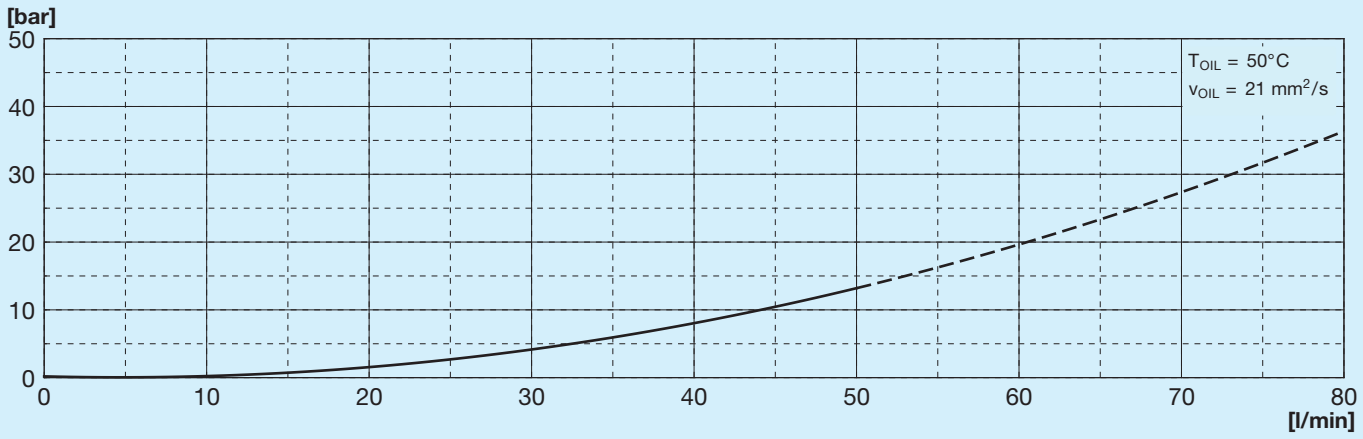


X - Y = Emergência manual em impulso

Curve Caratteristiche

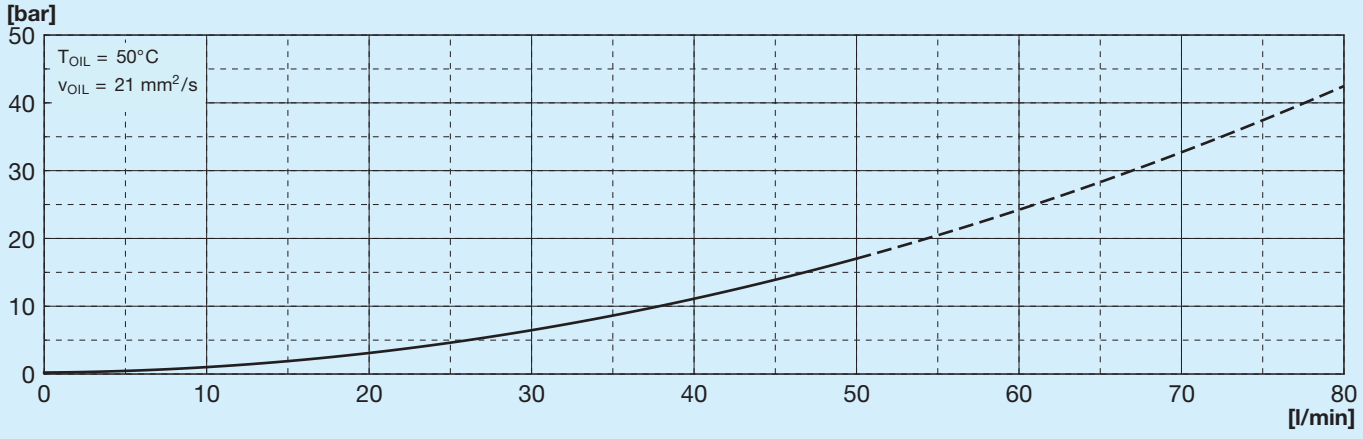
BW0500BO

Curva característica P-A/B



Parâmetros de teste: Circuito **001**

Curva característica A/B-T

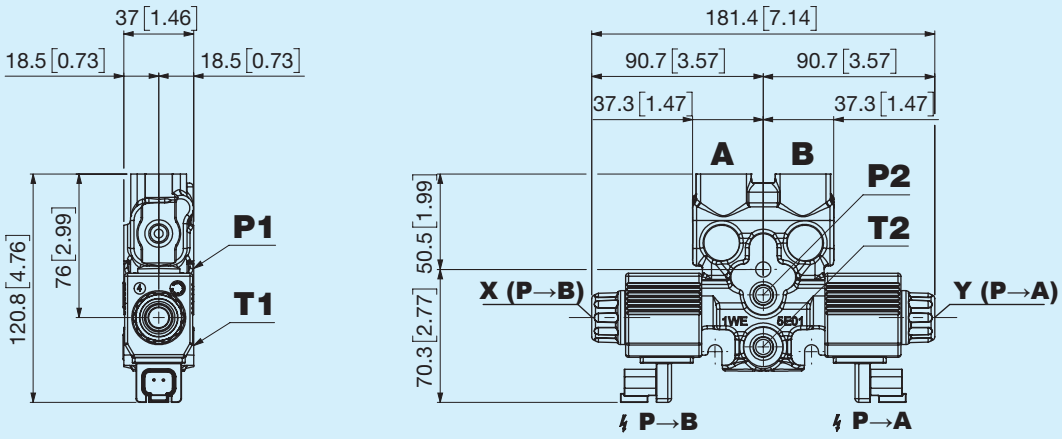


Parâmetros de teste: Circuito **001**

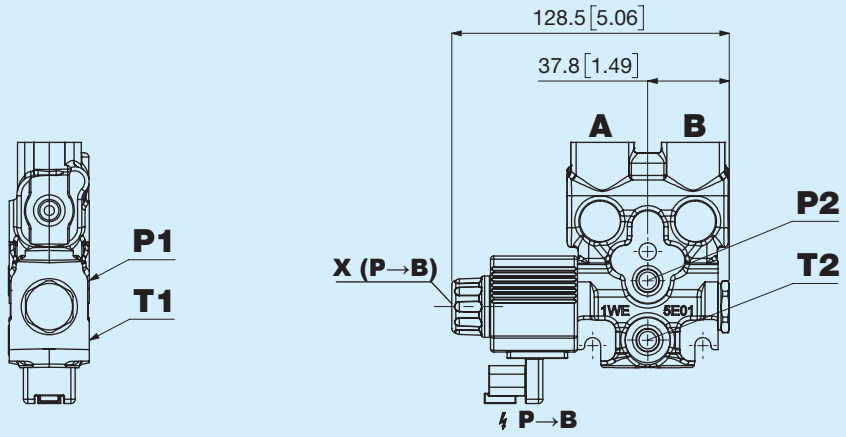
Características elétricas das bobinas LIGA-DESLIGA

Tensão	12	24	V (± 10%)
Resistência a 20°C	5,4	20,7	Ω (± 7%)
Corrente nominal	2,2	1,2	A
Potência	26,5	27,8	W

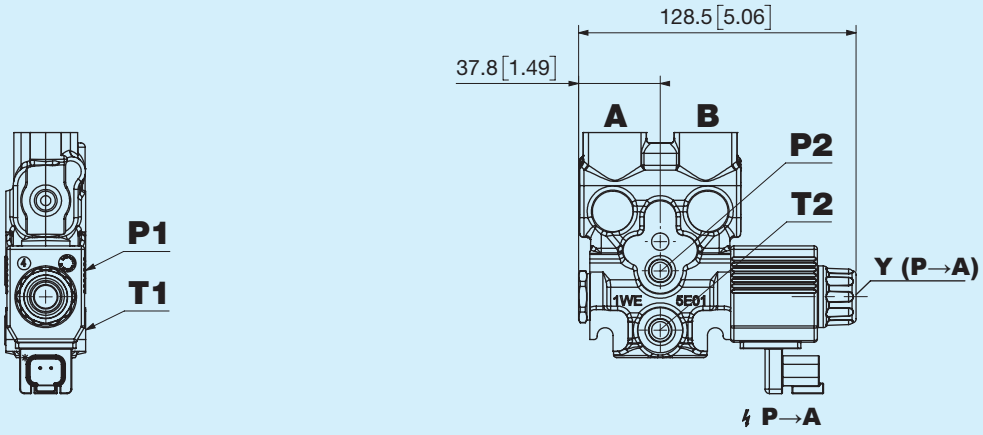
A Duas bobinas lado da conexão A e B



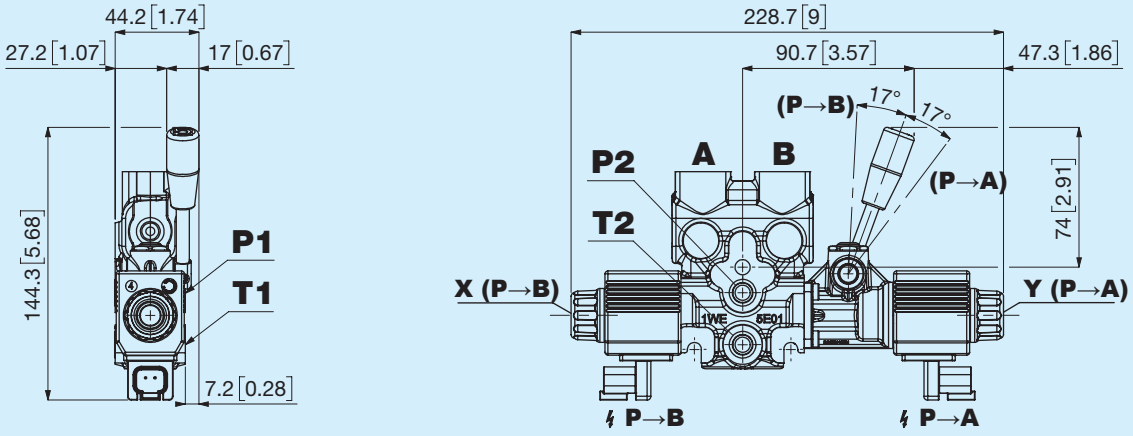
E Uma bobina lado da conexão A



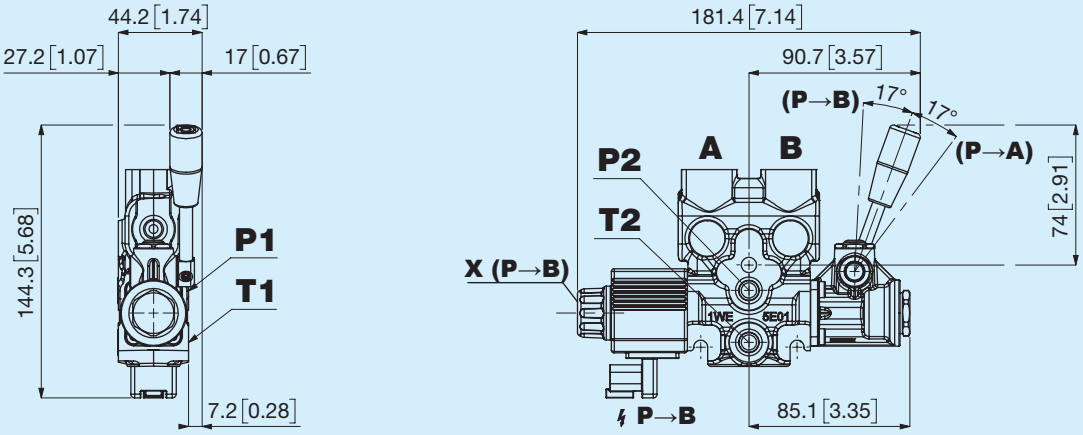
F Uma bobina lado da conexão B



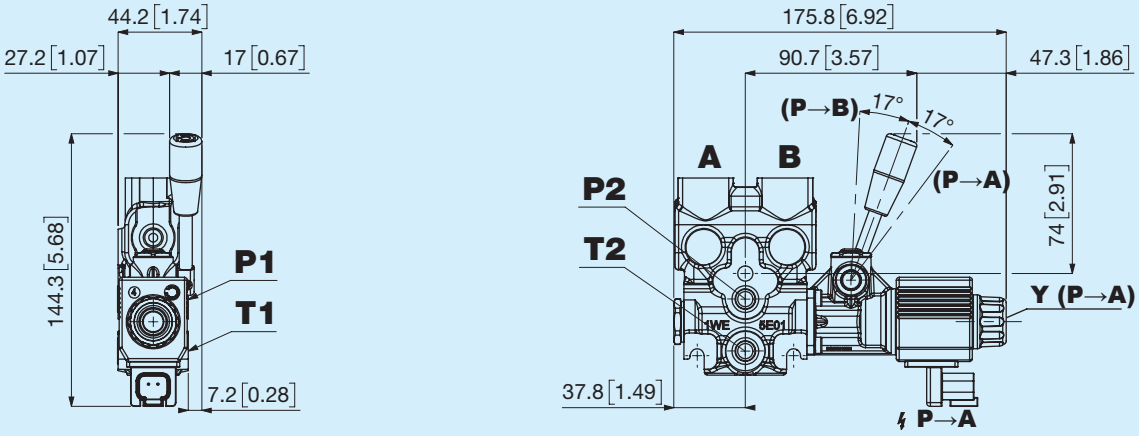
B Duas bobinas lado da conexão A e B e alavanca de emergência



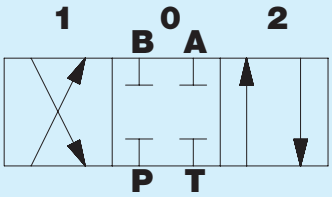
C Uma bobina lado da conexão A e alavanca de emergência



D Uma bobina lado da conexão B e alavanca de emergência



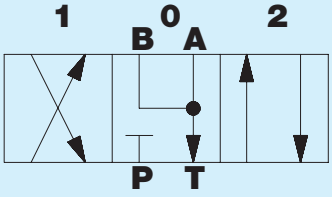
001 Circuito



Posições

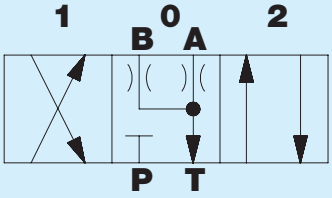
1	0	2
P → A B → T	P ⊣ T ⊣ A ⊣ B ⊣	P → B A → T

003 Circuito



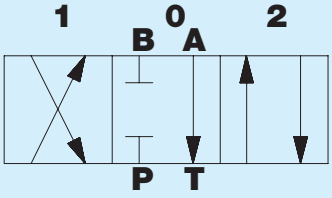
1	0	2
P → A B → T	A, B → T P ⊣	P → B A → T

3SS Circuito



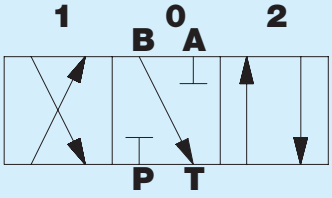
1	0	2
P → A B → T	A, B → T P ⊣	P → B A → T

008 Circuito



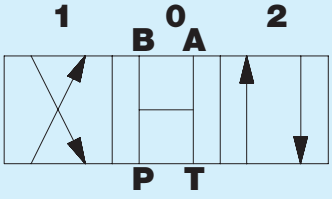
1	0	2
P → A B → T	A → T B,P ⊣	P → B A → T

010 Circuito



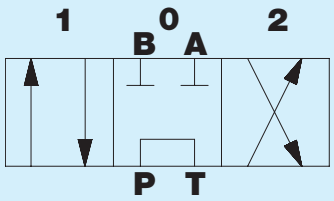
1	0	2
P → A B → T	B → T A,P ⊣	P → B A → T

038 Circuito



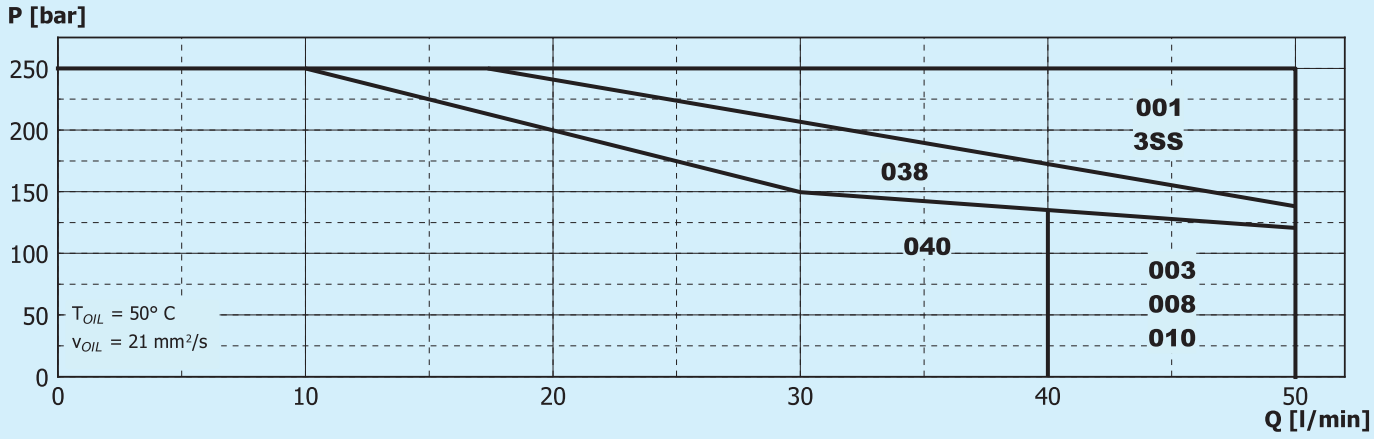
1	0	2
P → A B → T	P,A,B → T	P → B A → T

040 Circuito



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

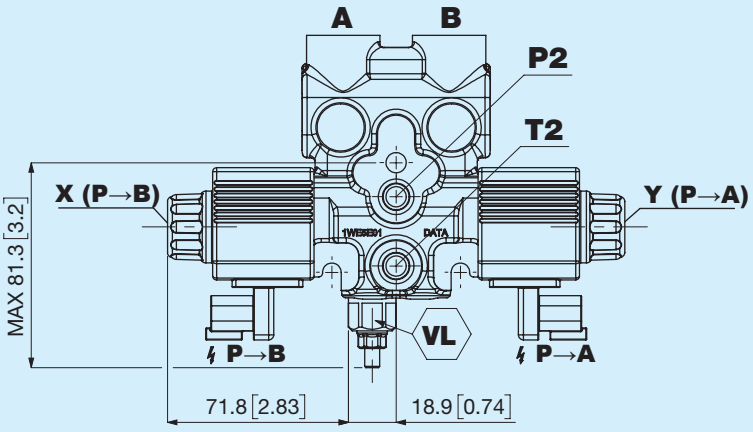
Limites de uso por circuito



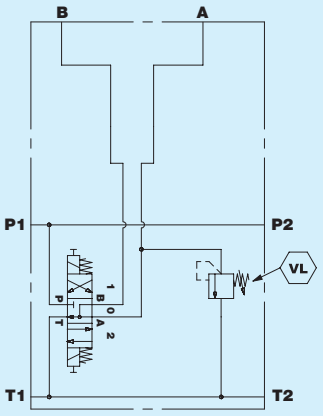
Filettatura bocche A e B

Código	Tipo	Aberto ± 10% Nm
A	3/8” GÁS ISO 1179	45
C	M18x1,5 ISO 9974	45
W	M18x1,5 ISO 6149	45
E	3/4'' 16 SAE ISO 11926	45

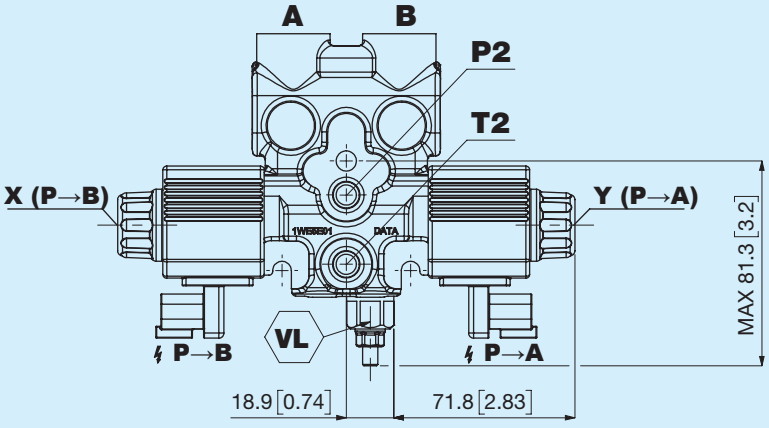
VL - Válvula limitadora de pressão conexão A



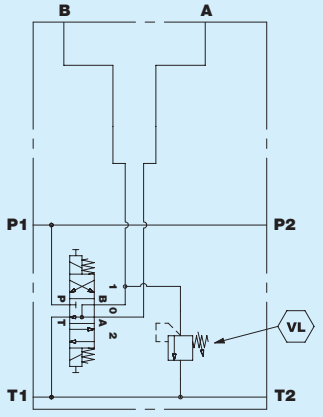
VL = max 10 l/min



VL - Válvula limitadora de pressão conexão B

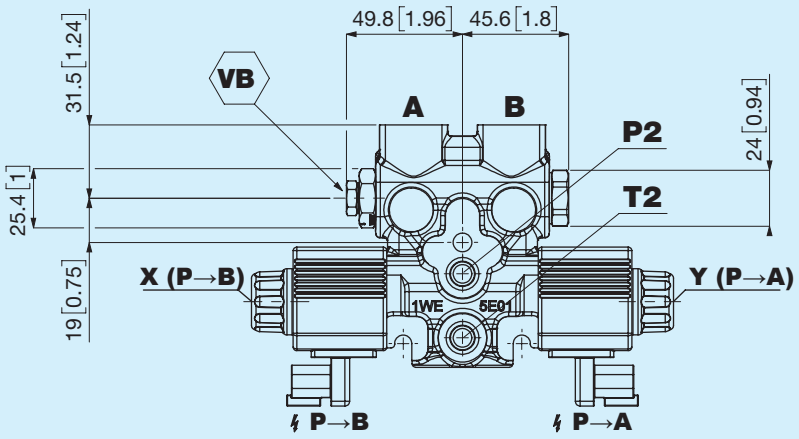


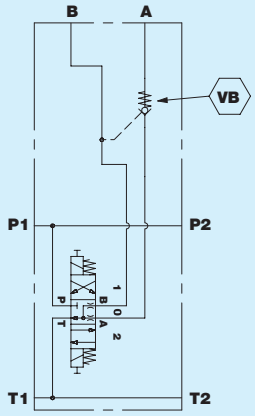
VL = max 10 l/min



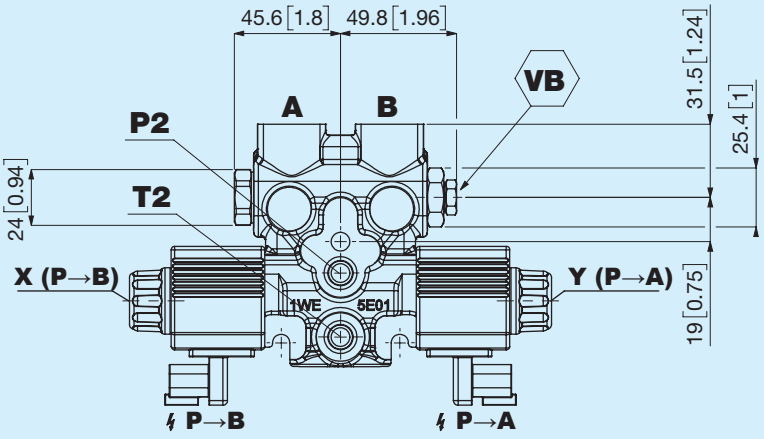
Tipo de válvula conexão A - B

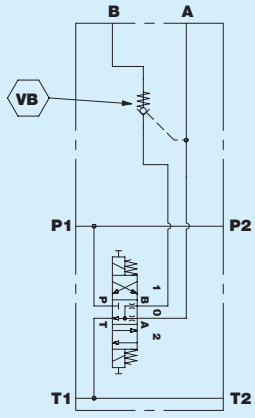
VB Válvula de bloqueio pilotada conexão A



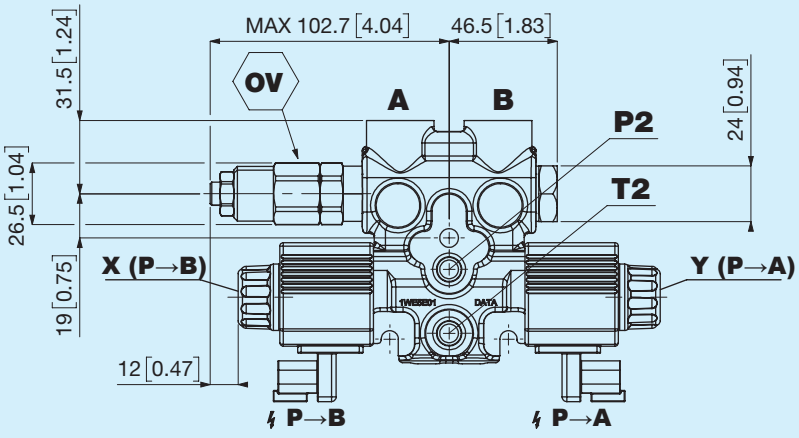


VB Válvula de bloqueio pilotada conexão B

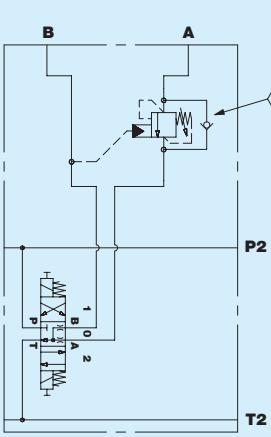




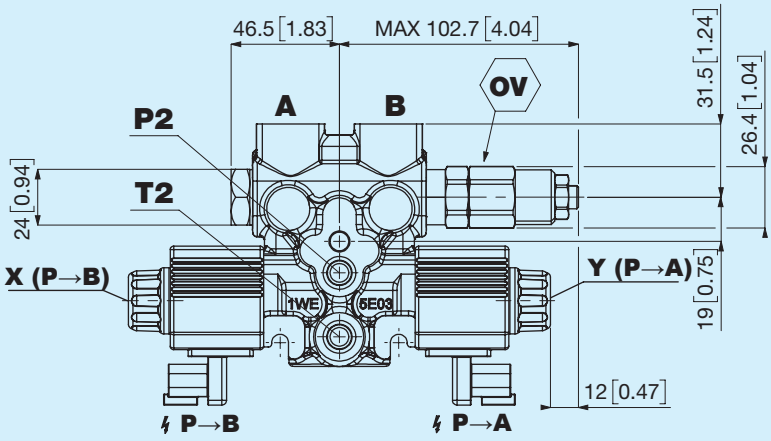
OV Over center conexão A



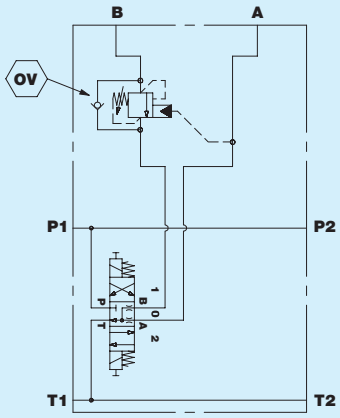
OV = máx 25 l/min



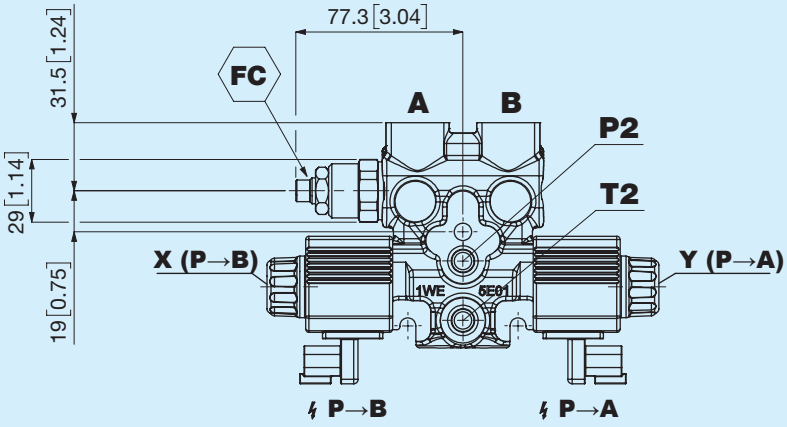
OV Over center conexão B

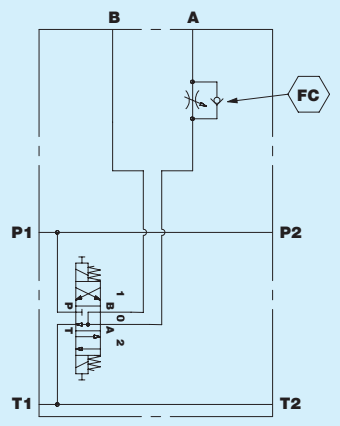


OV = máx 25 l/min

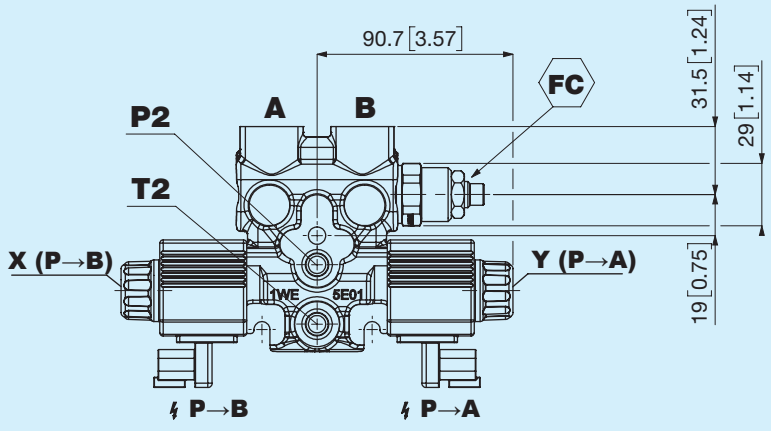


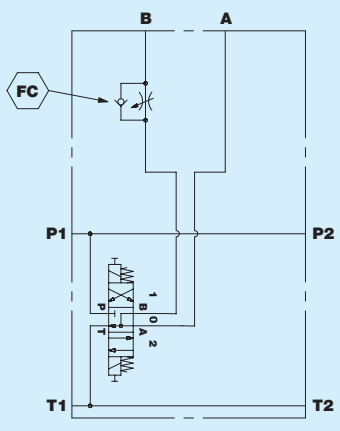
FC Regulador de fluxo unidirecional conexão A



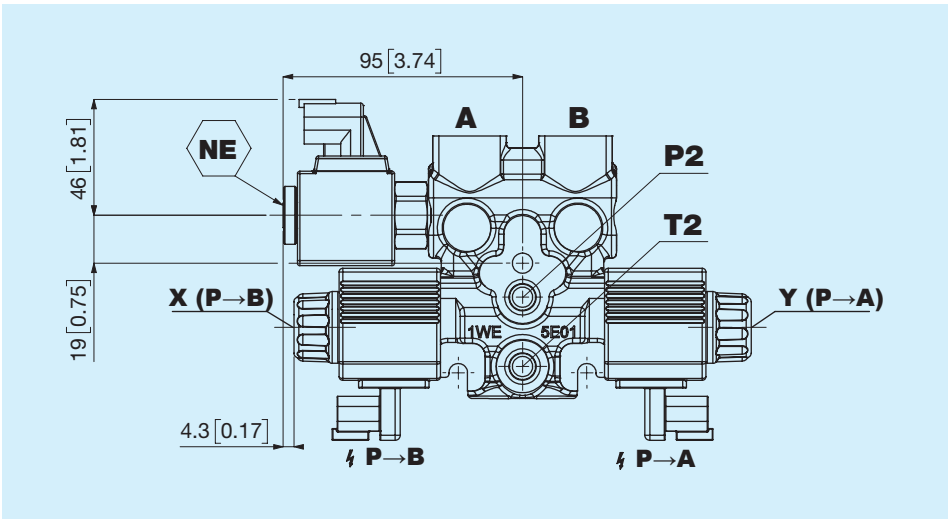


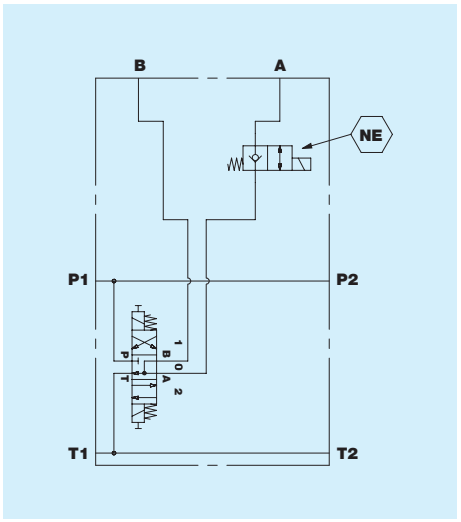
FC Regulador de fluxo unidirecional conexão B



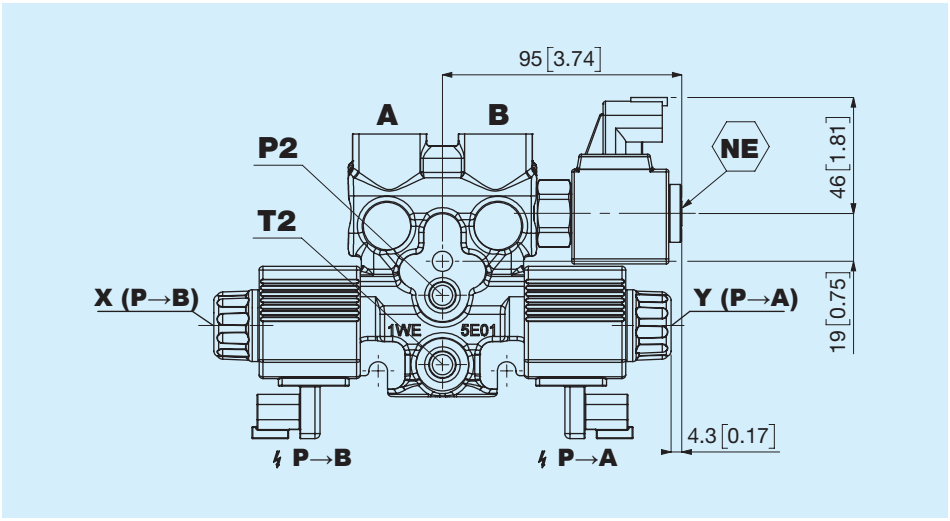


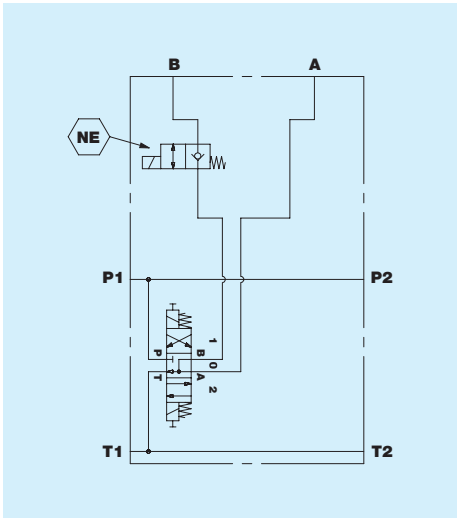
NE Eletroválvula 2/2 conexão A





NE Eletroválvula 2/2 conexão B

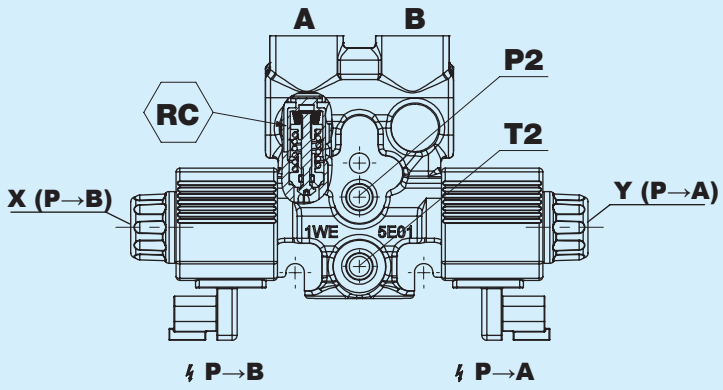


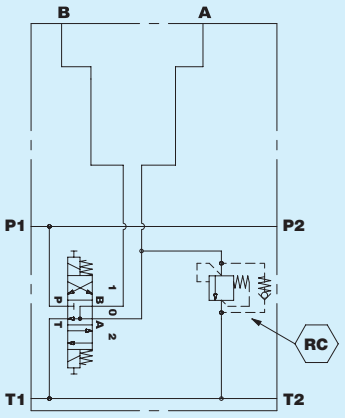


Características elétricas bobinas Eletroválvula 2/2

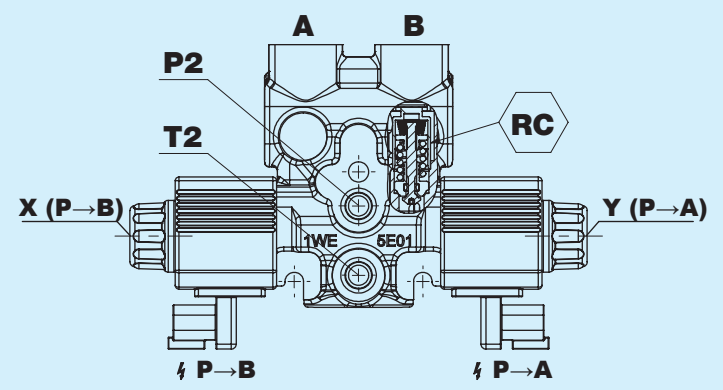
Tensão	12	24	V (± 10%)
Resistência a 20°C	7,7	31	Ω (± 7%)
Corrente nominal	1,55	0,8	A
Potência	18,6	19	W

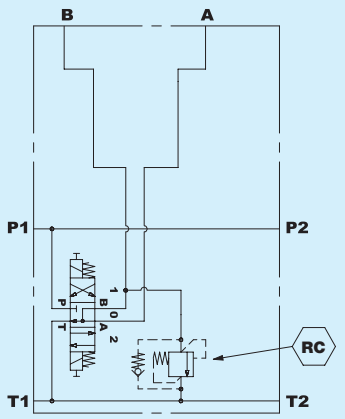
RC VL de pressão e anticavitação interna da conexão





RC VL de pressão e anticavitação interna da conexão





Possíveis combinações da válvula da conexão A e B

Conexão A \ Conexão B	NN	VL	FC	NE	OV	VB	RC
NN	•	•	•	•	•	•	•
VL	•	•	•	•	•	•	
FC	•	•	•	•			•
NE	•	•	•	•			•
OV	•	•			•		
VB	•	•				•	
RC	•		•	•			•

NN **Nenhuma**

VL **Válvula limitadora de pressão sub-**localizada

FC **Regulador de fluxo unidirecional**

NE **Eletroválvula 2/2**

OV **Over-**center

VB **Válvula de bloqueio pilotada**

RC **Válvula limitadora de pressão e de anticavitação interna**

Composição do código

BW0500BO	1	2 3 4	5	6	7 8	9 10	11 12	13 14	15 16	17

1

Configurações

A	Duas bobinas lado da conexão A e B	**F**	Uma bobina lado da conexão B	**C**	Uma bobina lado da conexão A e alavanca de emergência
E	Uma bobina lado da conexão A	**B**	Duas bobinas lado da conexão A e B e alavanca de	**D**	Uma bobina lado da conexão B e alavanca de emergência

2 3 4

Circuitos

001	Circuito	**3SS**	Circuito	**010**	Circuito	**040**	Circuito
003	Circuito	**008**	Circuito	**038**	Circuito		

5

Tipo de rosca

F	Fêmea

6

Rosqueamento das conexões A e B

A	3/8'' GÁS ISO 1179	**C**	M18x1,5 ISO 9974	**W**	M18x1,5 ISO 6149	**E**	3/4'' 16 SAE ISO 11926

7 8

VL Válvula limitadora de pressão sub-localizada conexão A

NN	Nenhuma	**09**	VL 90 bar	**15**	VL 150 bar	**21**	VL 210 bar
04	VL 40 bar	**10**	VL 100 bar	**16**	VL 160 bar	**22**	VL 220 bar
05	VL 50 bar	**11**	VL 110 bar	**17**	VL 170 bar	**23**	VL 230 bar
06	VL 60 bar	**12**	VL 120 bar	**18**	VL 180 bar		
07	VL 70 bar	**13**	VL 130 bar	**19**	VL 190 bar		
08	VL 80 bar	**14**	VL 140 bar	**20**	VL 200 bar		

9 10

VL Válvula limitadora de pressão sub-localizada conexão B

NN	Nenhuma	**09**	VL 90 bar	**15**	VL 150 bar	**21**	VL 210 bar
04	VL 40 bar	**10**	VL 100 bar	**16**	VL 160 bar	**22**	VL 220 bar
05	VL 50 bar	**11**	VL 110 bar	**17**	VL 170 bar	**23**	VL 230 bar
06	VL 60 bar	**12**	VL 120 bar	**18**	VL 180 bar		
07	VL 70 bar	**13**	VL 130 bar	**19**	VL 190 bar		
08	VL 80 bar	**14**	VL 140 bar	**20**	VL 200 bar		

11 12

Tipo de válvula da conexão A

NN	Nenhuma	**VB**	Válvula de bloqueio pilotada	**RC**	Válvula limitadora de pressão e anticavitação interna
FC	Regulador de fluxo unidirecional	**NE**	Eletroválvula 2/2	**OV**	Over-center

13 14

Pressão de calibração OV/RC conexão A

NN	Nenhuma	**08**	80 bar	**14**	140 bar	**20**	200 bar
03	30 bar	**09**	90 bar	**15**	150 bar	**21**	210 bar
04	40 bar	**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

15 16

Tipo de válvula da conexão B

NN	Nenhuma	**VB**	Válvula de bloqueio pilotada	**RC**	Válvula limitadora de pressão e anticavitação interna
FC	Regulador de fluxo unidirecional	**NE**	Eletroválvula 2/2	**OV**	Over-center

18 19 20

17 18

Pressão de calibração OV/RC conexão B

NN	Nenhuma	**08**	80 bar	**14**	140 bar	**20**	200 bar
03	30 bar	**09**	90 bar	**15**	150 bar	**21**	210 bar
04	40 bar	**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

19

Tensão e conector

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

20

Tratamento externo

N	Nenhum	**Z**	Galvanização