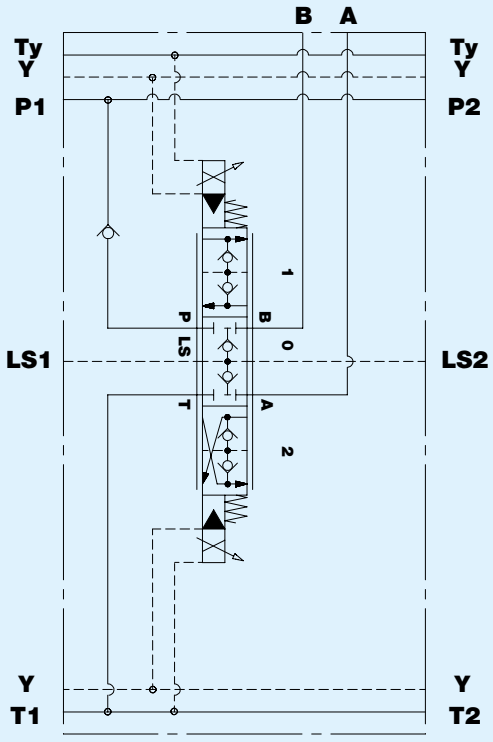
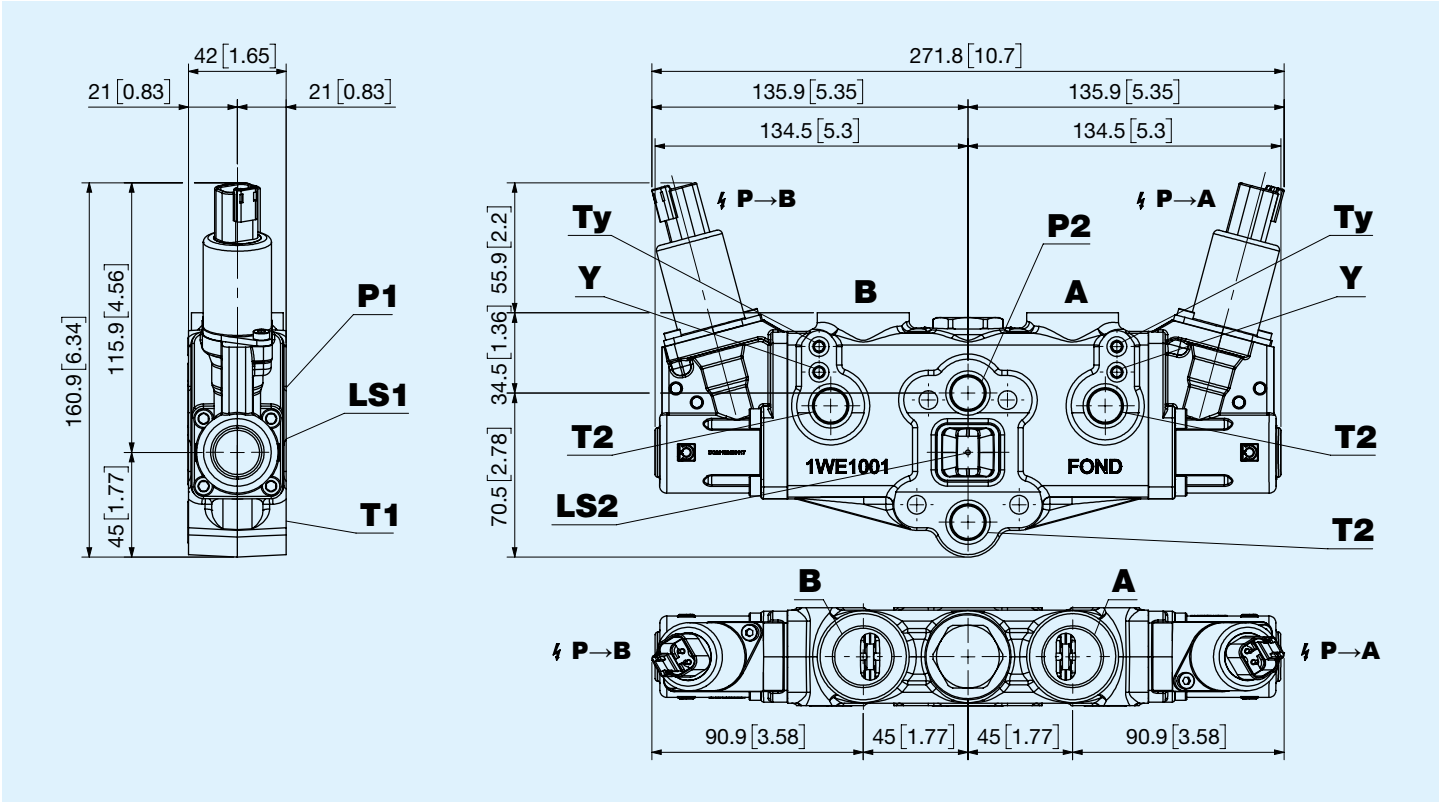
BW1477AP Elemento 6/3 Load sensing con azionamento elettro-idraulico Interfaccia IBW1477

Prima di iniziare l'utilizzo leggere attentamente il documento ISTRUZIONI GENERALI D'IMPIEGO PER LE VALVOLE DI CONTROLLO DIREZIONALE

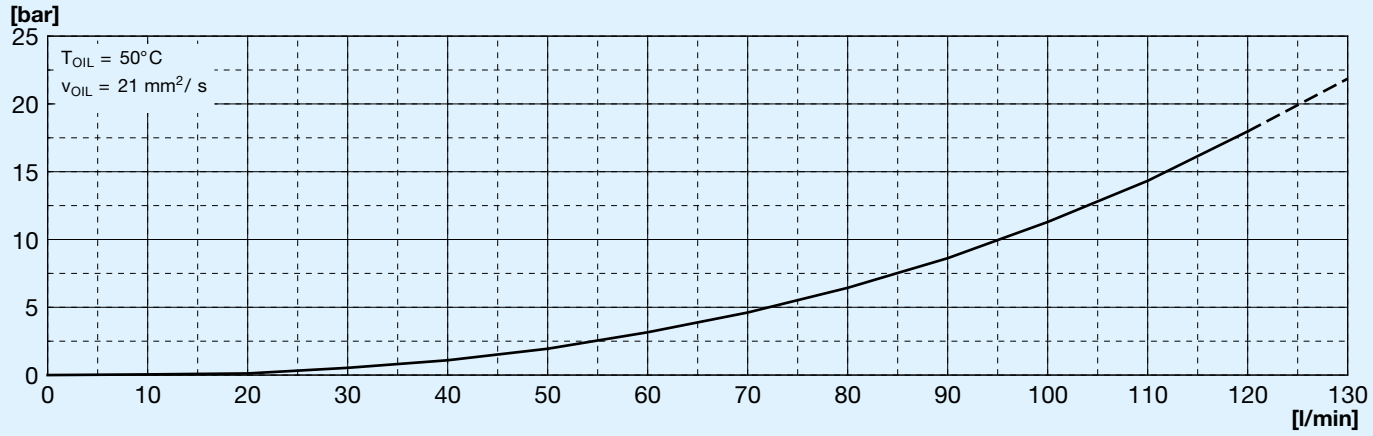
Portata nominale	**120 l/min - ΔP=18 bar** ***31,7 US gpm - ΔP=261 psi***
Pressione nominale	**300 bar** ***4351 psi***
Contropressione massima allo scarico	**50 bar** ***725 psi***
Trafila interna	**8 cc/min** ***(21 cSt - 100 bar)***
Temperatura di utilizzo	**-20°C +85°C NBR seals** ***(max peak +100°C)*** ***-20°C + 130°C HNBR seals***
Viscosità olio di esercizio	**da 15 mm²/s a 90 mm²/s** ***(15 cSt a 90 cSt)***
Fluido	**Fluidi idraulici definiti dalla norma ISO 6743-4**
Massa	**3,6 Kg** ***7,9 lb***
Interfaccia	**IBW1477**



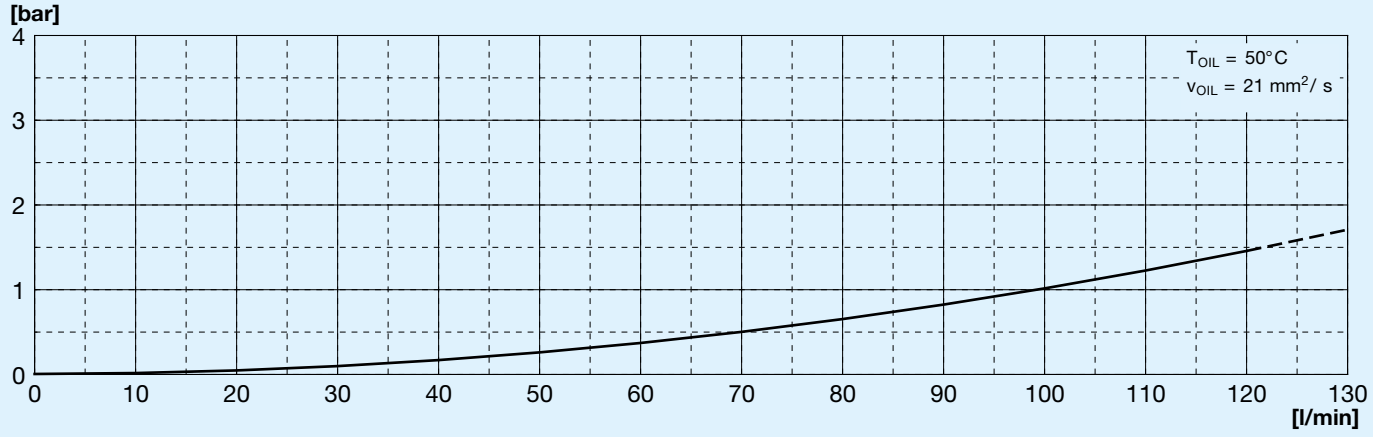
Dimensioni d'ingombro



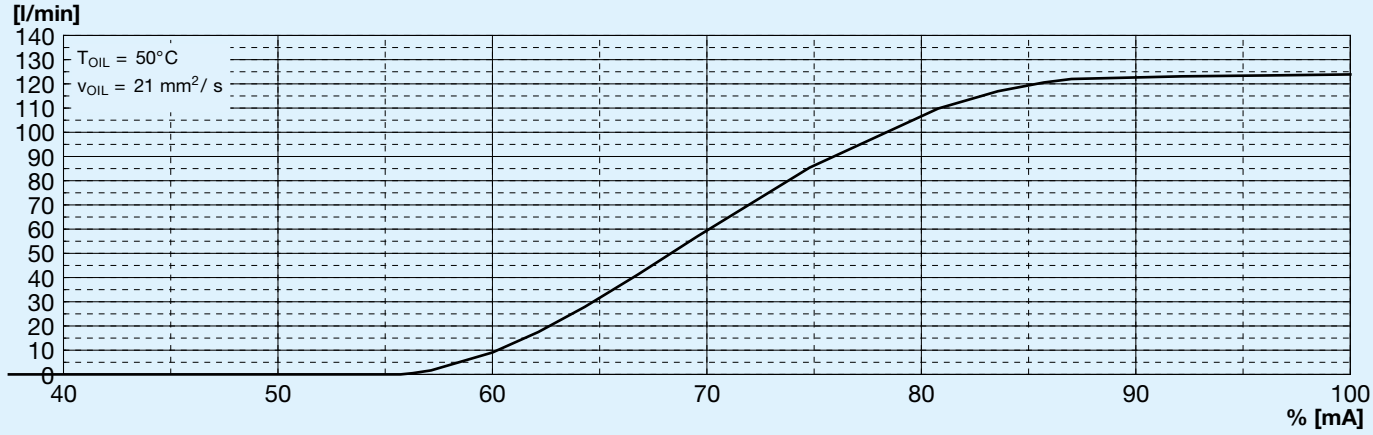
Curva caratteristica P-AB



Curva caratteristica AB-T

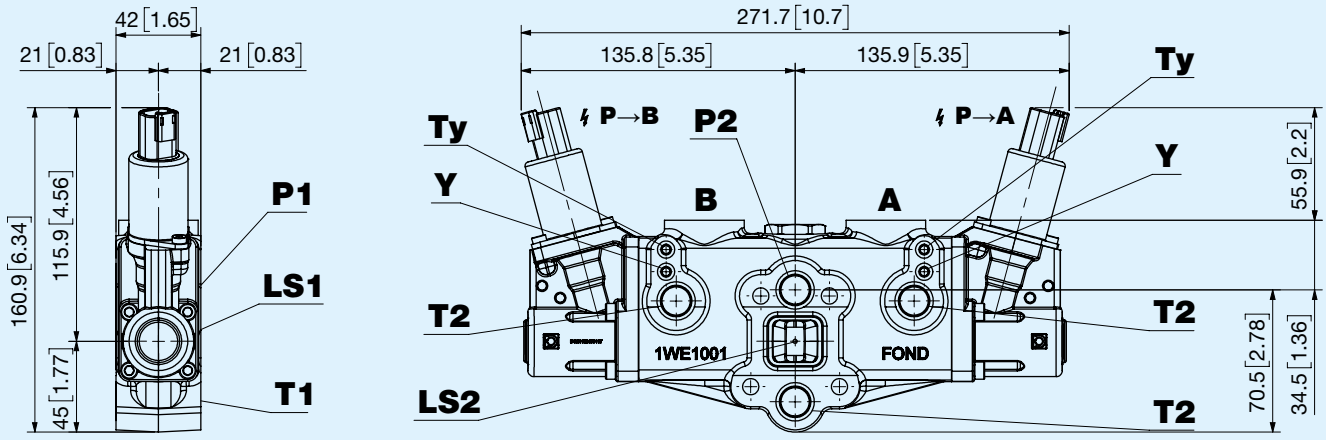


Curva caratteristica Metering

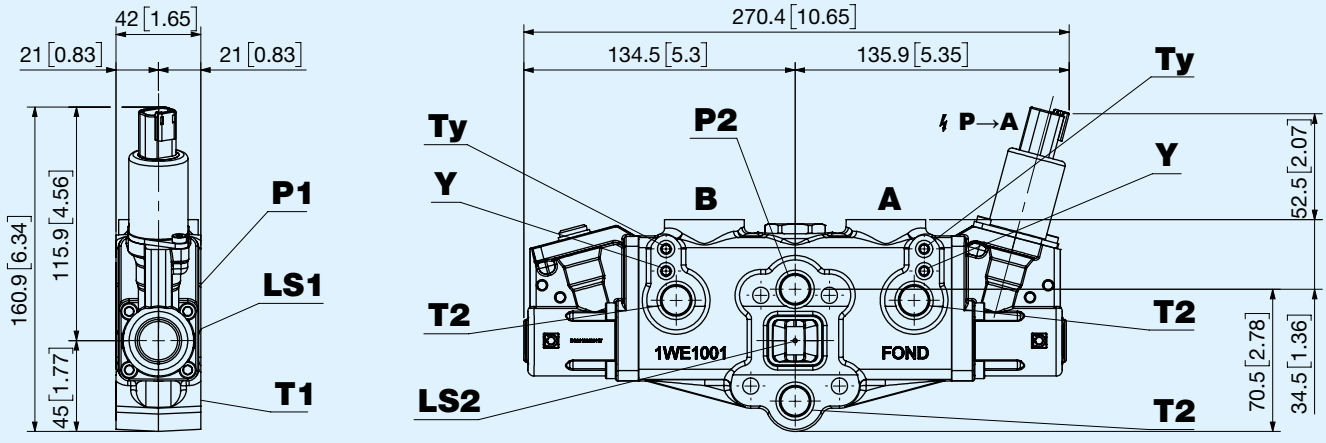


Δp = 18 bar PWM = 100 Hz I Max=1400 mA 12V (± 100 mA) I Max= 680 mA 24V (± 100 mA)

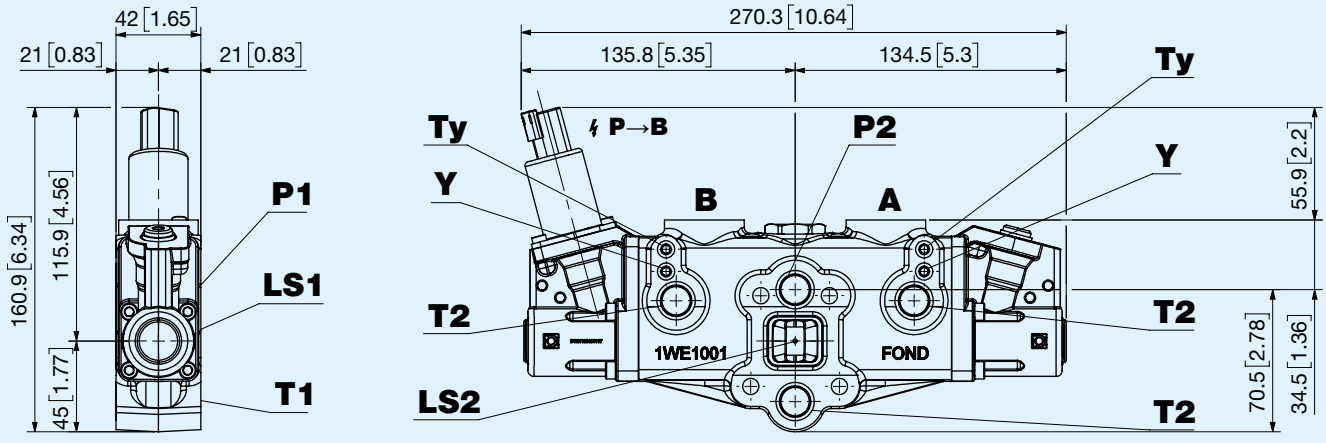
A Due bobine lato bocca A e B



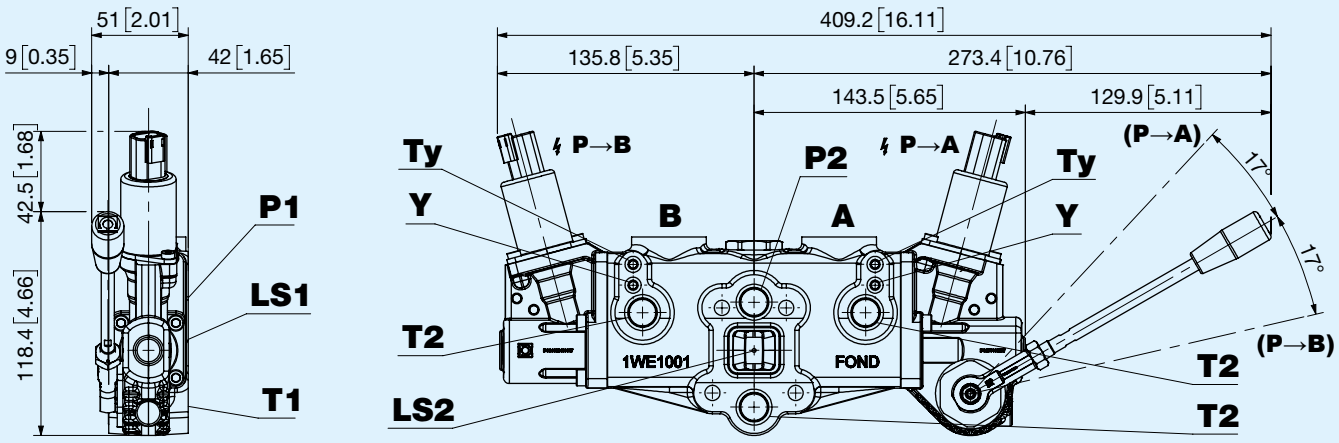
E Una bobina lato bocca A



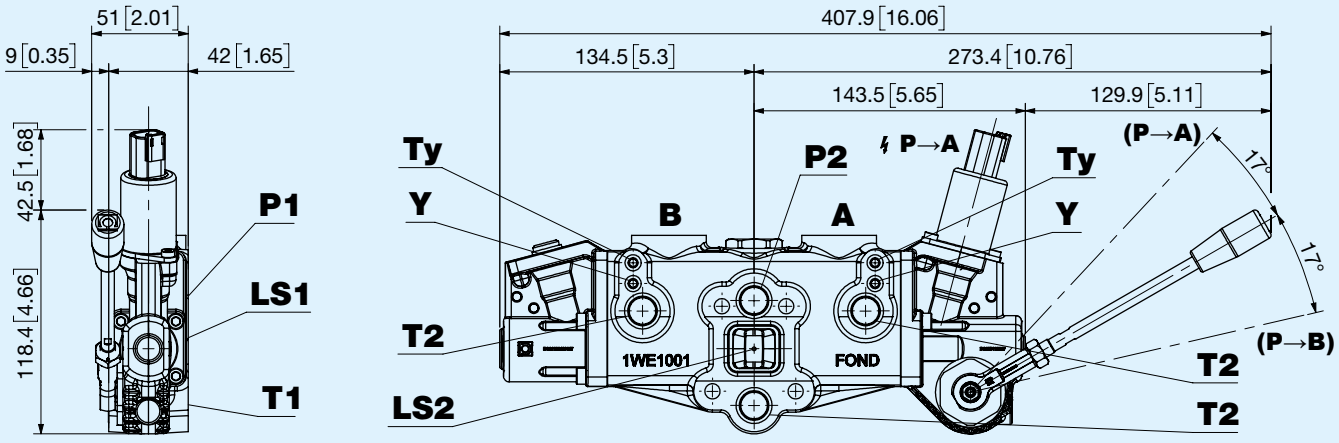
F Una bobina lato bocca B



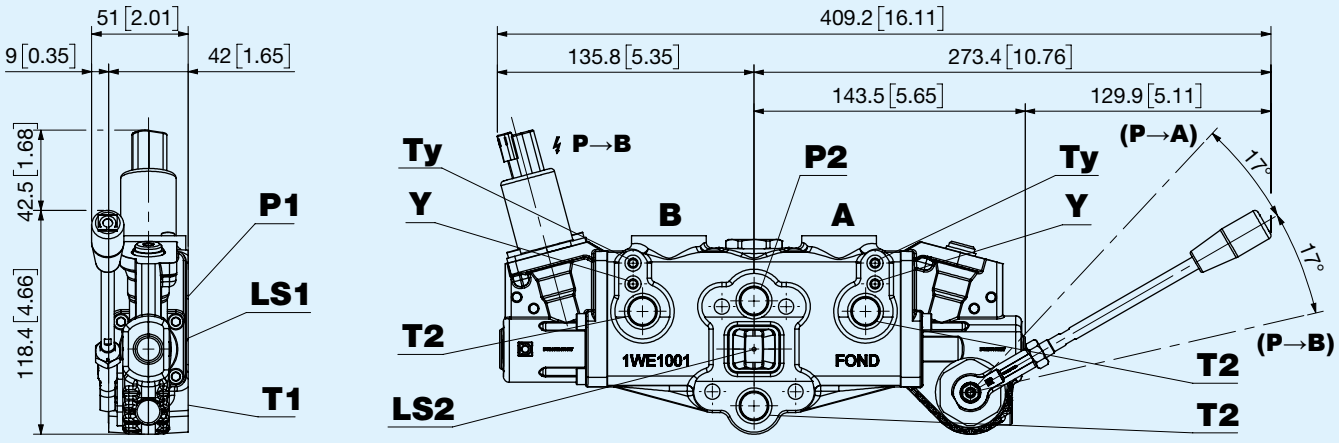
B Due bobine lato bocca A e B e leva di emergenza



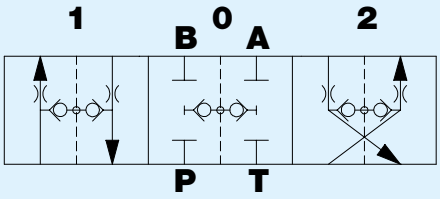
C Una bobina lato bocca A e leva di emergenza



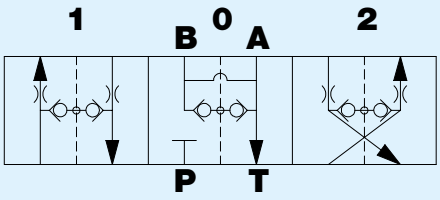
D Una bobina lato bocca B e leva di emergenza



001 Circuito



003 Circuito



Portata ΔP = 18 bar

Codice	l/min	US gpm
0A	120	31,70
0B	90	23,77
0C	60	15,85
0D	30	7,92

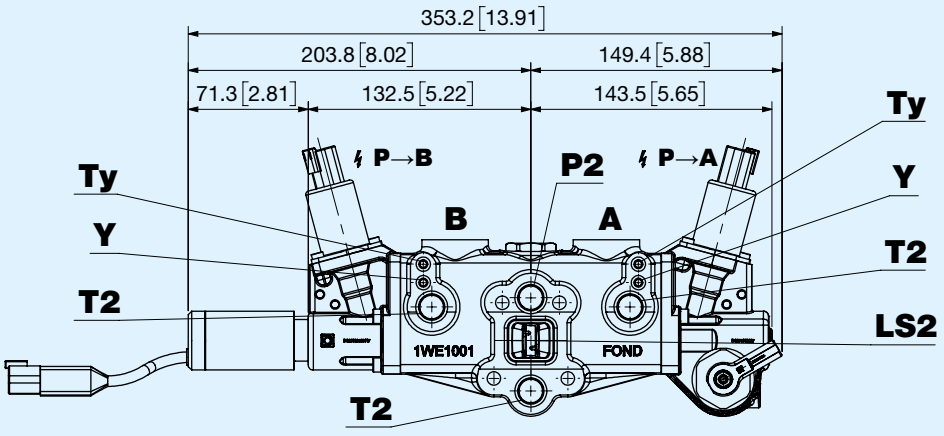
Posizioni

1	0	2
P→B A→T	A⊣ B⊣ P⊣ T⊣	P→A B→T

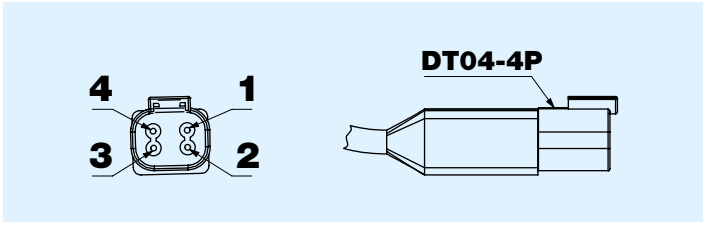
Posizioni

1	0	2
P→B A→T	B,A→T P⊣	P→A B→T

G Sensore elettromagnetico posizione spola



Dati tecnici sensore elettromagnetico posizione spola

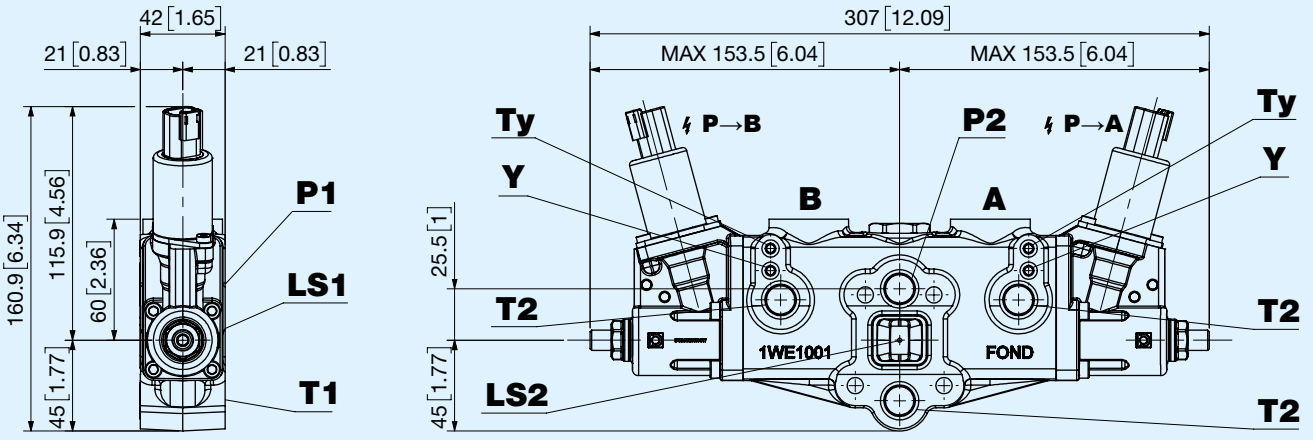


PIN	Connessione
1	+V (Voltaggio)
2	-V (Voltaggio-GND)
3	Segnale di uscita

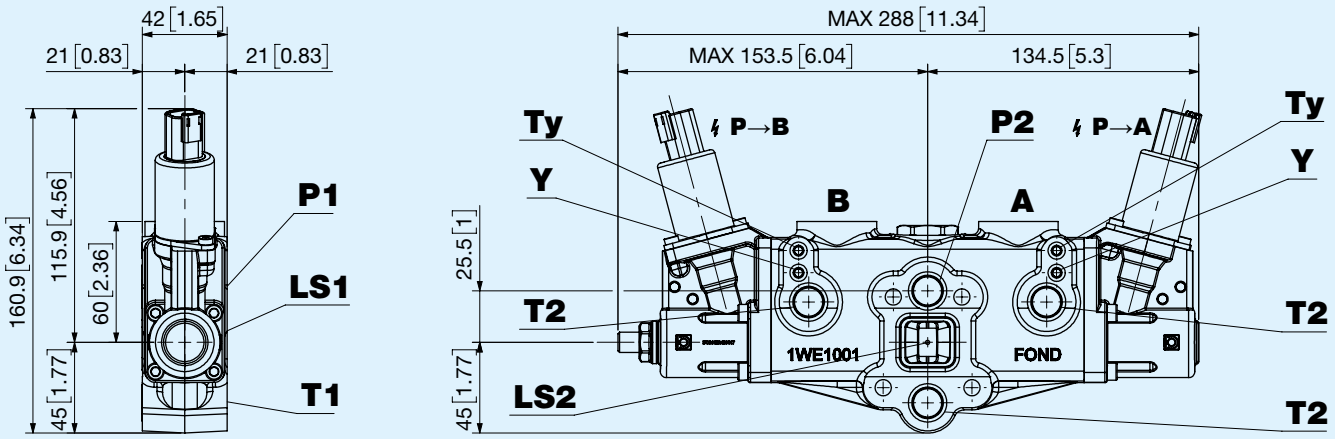
Dati tecnici sensore elettromagnetico

Temperatura di utilizzo	-40°C +100°C
Pressione massima di lavoro	60 bar - 870,2 psi
VB	9 - 32 V
Segnale di uscita	PNP
Massima corrente di uscita	15 mA

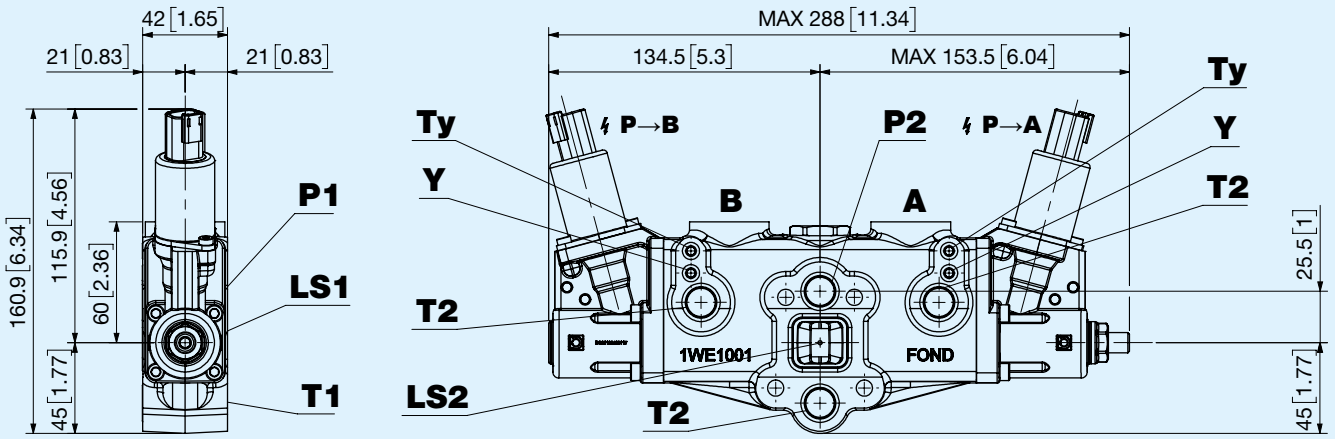
Limitatore di corsa spola bocca A e B



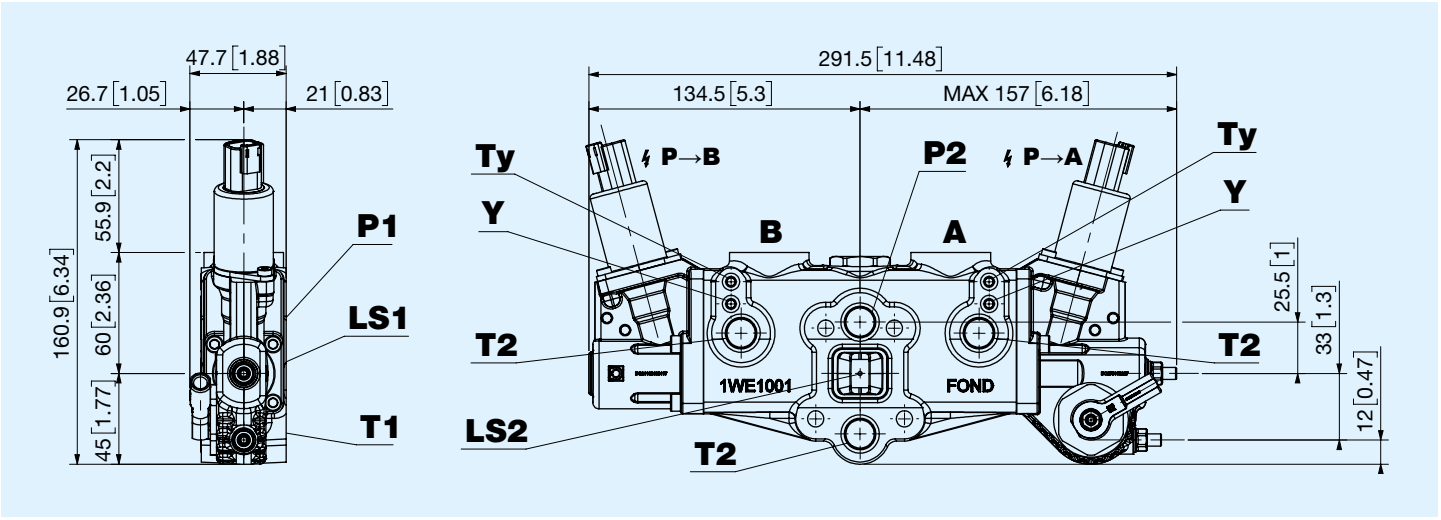
Limitatore di corsa spola bocca A



Limitatore di corsa spola bocca B



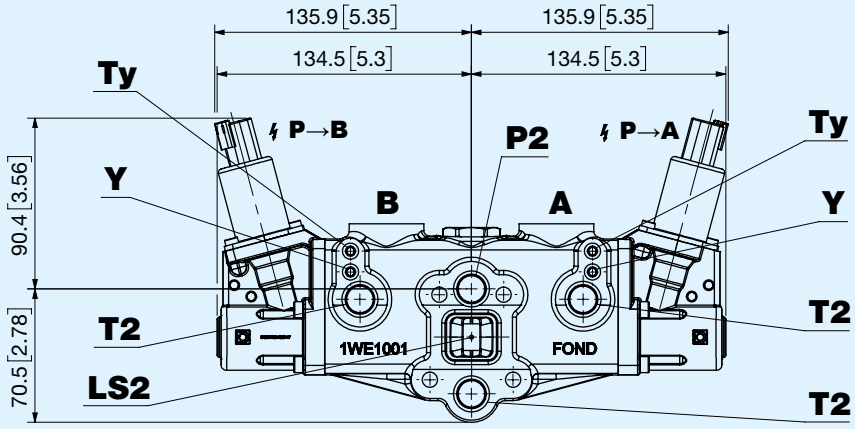
Limitatore di corsa spola bocca A e B e leva d'emergenza

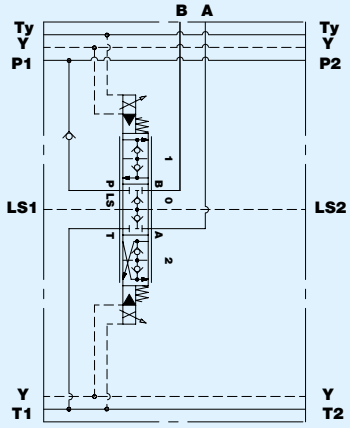


Filettatura bocche A e B

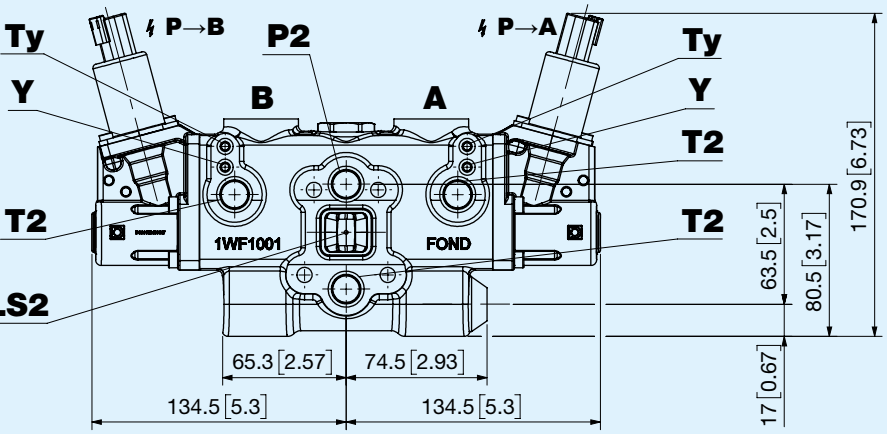
Codice	Tipo	Serraggio **Nm**
B	1/2'' GAS ISO 1179	70
F	3/4'' GAS ISO 1179	150
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	78
5	M27x2 ISO 9974	160
U	M27x2 ISO 6149	170
R	7/8'' - 14 SAE ISO 11926	77
V	1'' 1/16 - 12 SAE ISO 11926	125

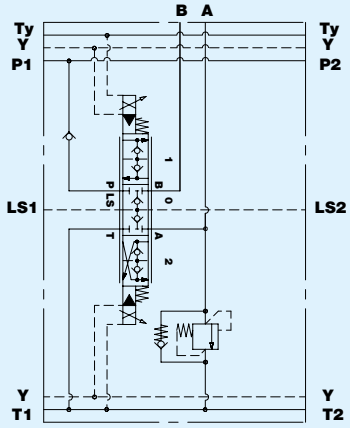
NN Nessuna



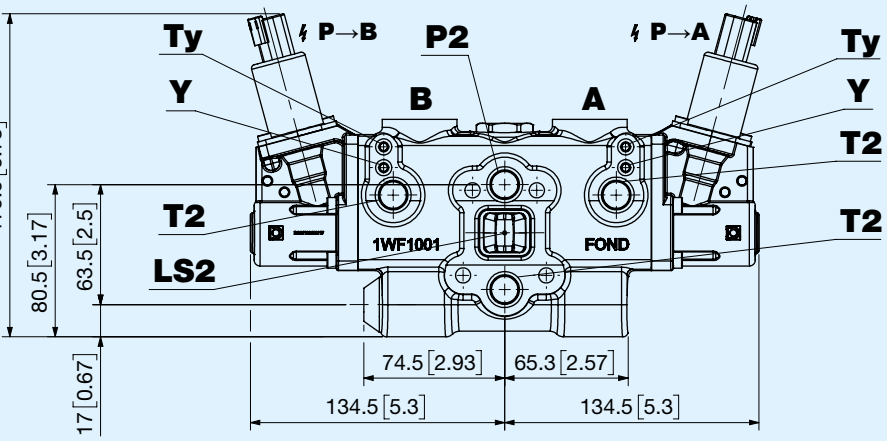


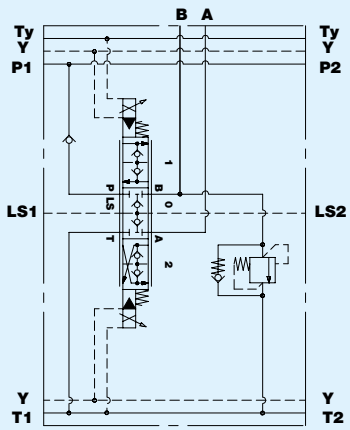
RC Valvola limitatrice di pressione e di anticavitazione bocca A



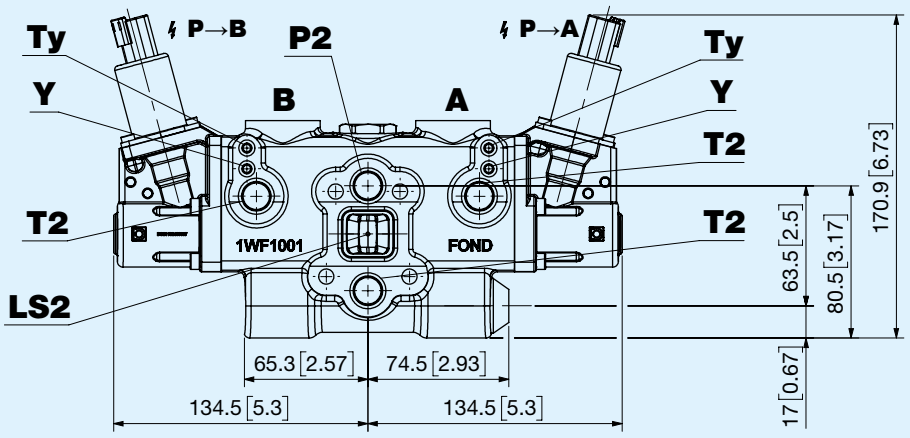


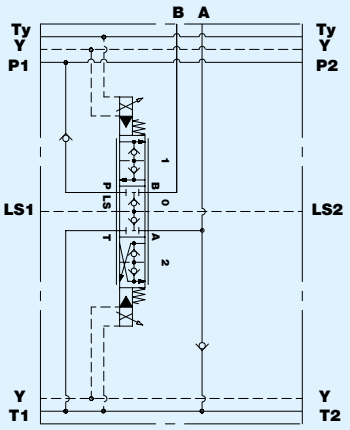
RC Valvola limitatrice di pressione e di anticavitazione bocca B



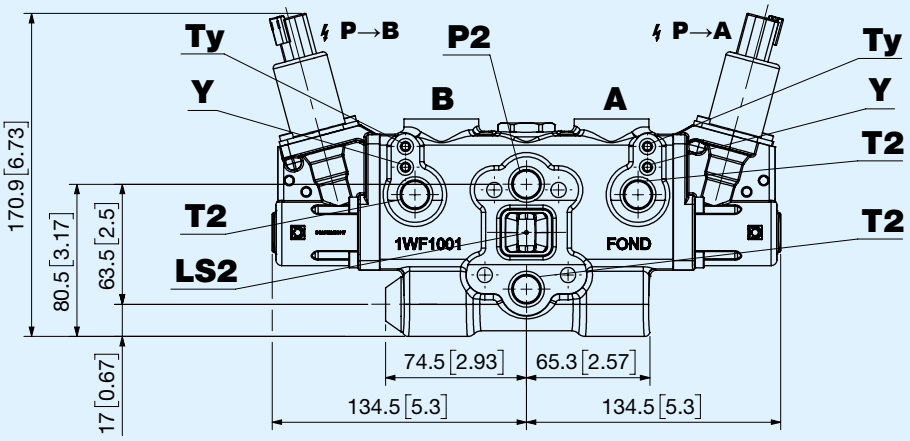


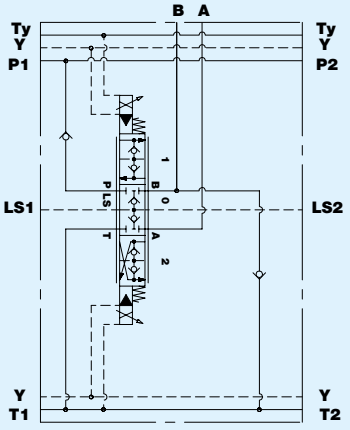
VC Valvola di anticavitazione bocca A



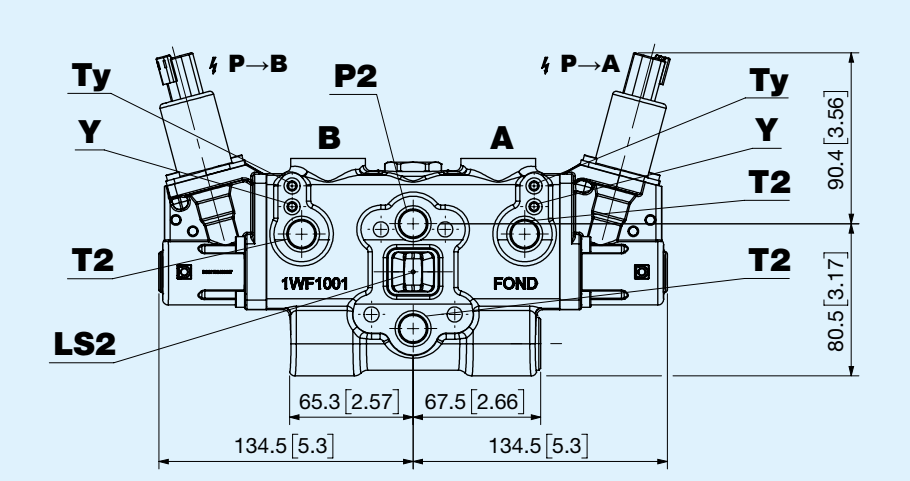


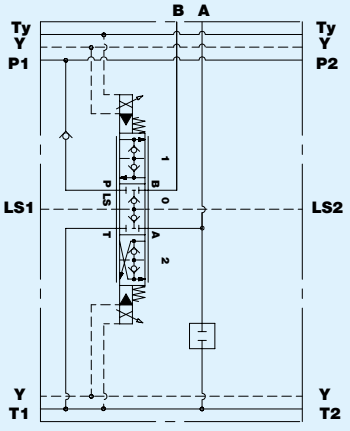
VC Valvola di anticavitazione bocca B



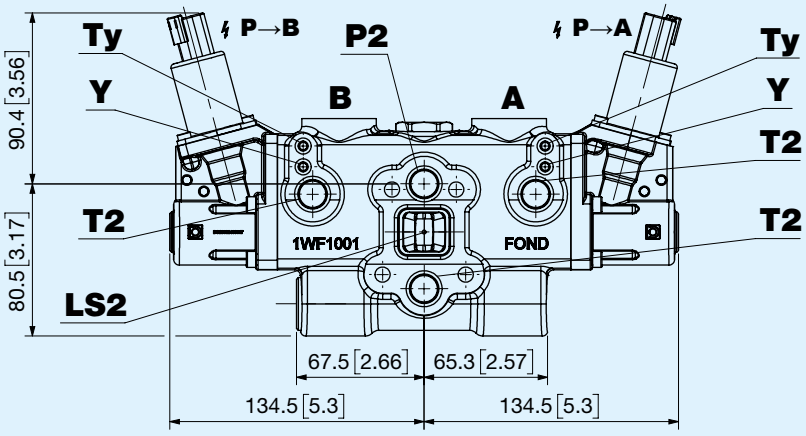


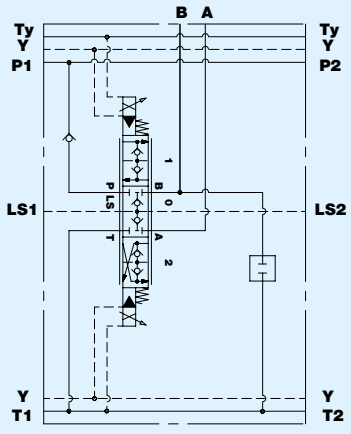
TP Predisposta tappata per RC/VC bocca A



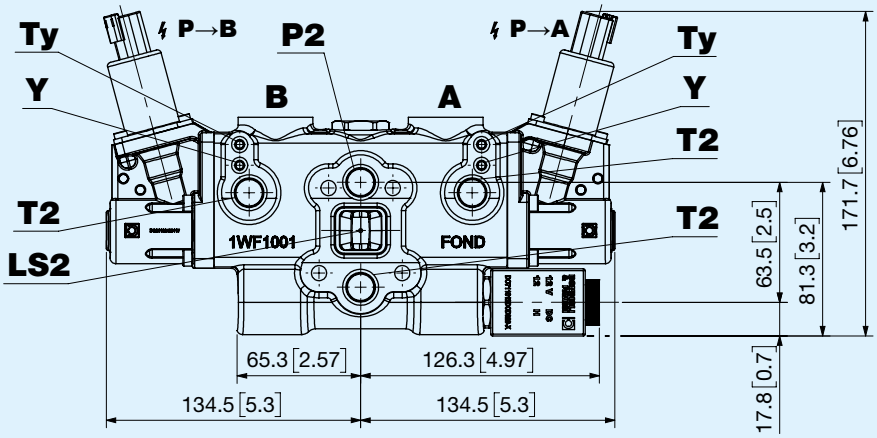


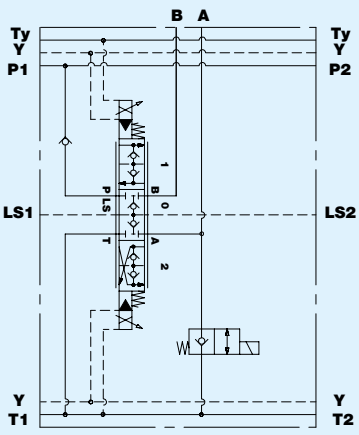
TP Predisposta tappata per RC/VC bocca B



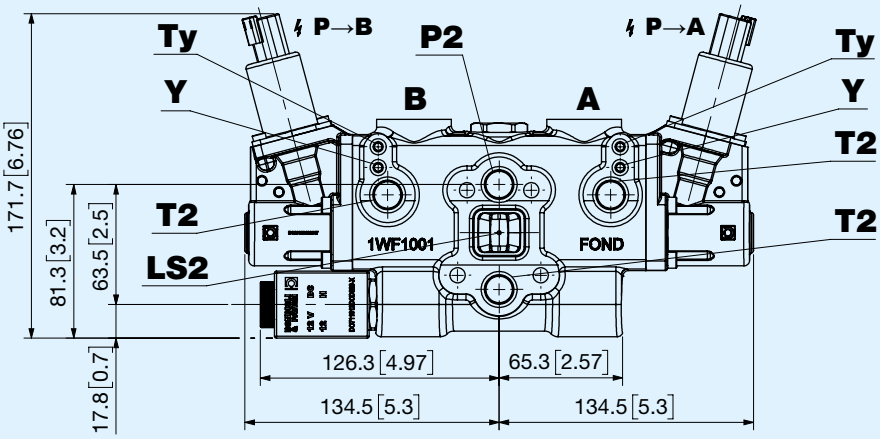


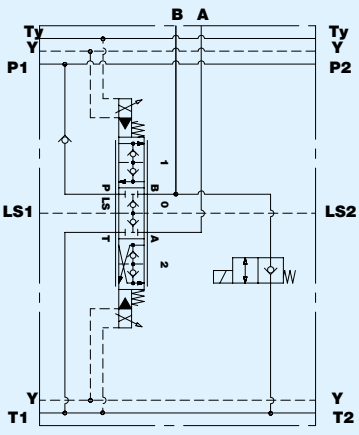
NE Elettrovalvola 2/2 bocca A





NE Elettrovalvola 2/2 bocca B





Possibili combinazioni valvola bocca A e B

Bocca A	Bocca B				
	NN	**TP**	**RC**	**VC**	**NE**
NN	•	•	•	•	•
TP	•	•	•	•	•
RC	•	•	•	•	•
VC	•	•	•	•	•
NE	•	•	•	•	•

NN - Nessuna
TP - Predisposta tappata
RC - Valvola limitatrice di pressione e di anticavitazione
VC - Valvola di anticavitazione
NE - Elettrovalvola 2/2

BW1477AP	1	2	3 4 5	6 7	8	9	10	11	12 13	14 15	16

1

Configurazioni

A	Due bobine lato bocca A e B	**F**	Una bobina lato bocca B	**C**	Una bobina lato bocca A e leva di emergenza
E	Una bobina lato bocca A	**B**	Due bobine lato bocca A e B e leva di emergenza	**D**	Una bobina lato bocca B e leva di emergenza

2

Azionamenti

P	Proporzionale	**O**	ON-OFF

3 4 5

Circuiti

001	Circuito	**003**	Circuito

6 7

Portata ?P = 18 bar

0A	120 l/min - 31,70 US gpm	**0B**	90 l/min - 23,77 US gpm	**0C**	60 l/min - 15,85 US gpm	**0D**	30 l/min - 7,92 US gpm

8

Opzione spola

N	Nessuna	**G**	Sensore elettromagnetico posizione della spola

9

Limitatore di corsa spola bocca A

N	Nessuno	**A**	Con limitatore

10

Limitatore di corsa spola bocca B

N	Nessuno	**A**	Con limitatore

11

Filettatura bocca A e B

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

12 13

Tipo di valvola bocca A

NN	Nessuna	**VC**	Valvola di anticavitazione	**NE**	Elettrovalvola 2/2
RC	Valvola limitatrice di pressione e di anticavitazione	**TP**	Predisposta tappata		

14 15

Pressione di taratura RC bocca A

NN	Nessuna	**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	**26**	260 bar
09	90 bar	**15**	150 bar	**21**	210 bar	**27**	270 bar
10	100 bar	**16**	160 bar	**22**	220 bar	**28**	280 bar

16 17

Tipo di valvola bocca B

NN	Nessuna	**VC**	Valvola di anticavitazione	**NE**	Elettrovalvola 2/2
RC	Valvola limitatrice di pressione e di anticavitazione	**TP**	Predisposta tappata		

17 18 19 20 21

18 19

Pressione di taratura RC bocca B

NN	Nessuna	**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	**26**	260 bar
09	90 bar	**15**	150 bar	**21**	210 bar	**27**	270 bar
10	100 bar	**16**	160 bar	**22**	220 bar	**28**	280 bar

20

Tensione e connettore

G	12V DEUTSCH DT04-2P	**H**	24V DEUTSCH DT04-2P

21

Trattamento esterno

A	Trattamento esterno	**N**	Nessuno