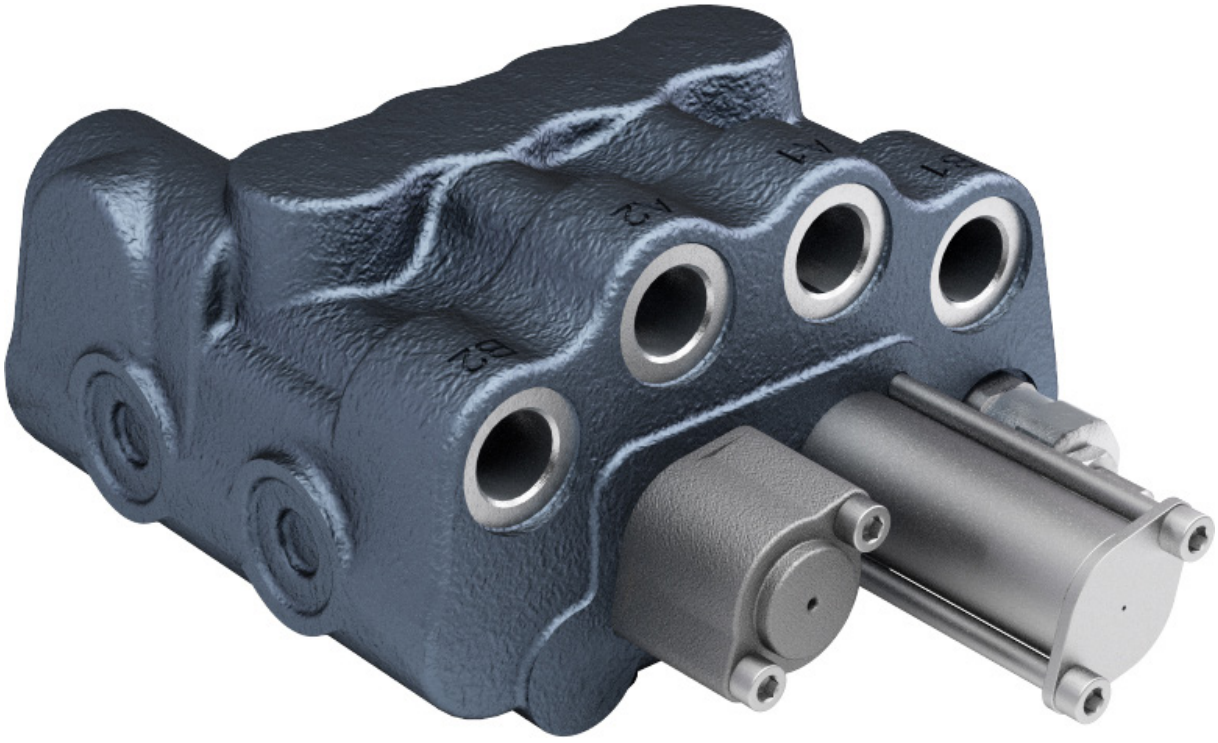
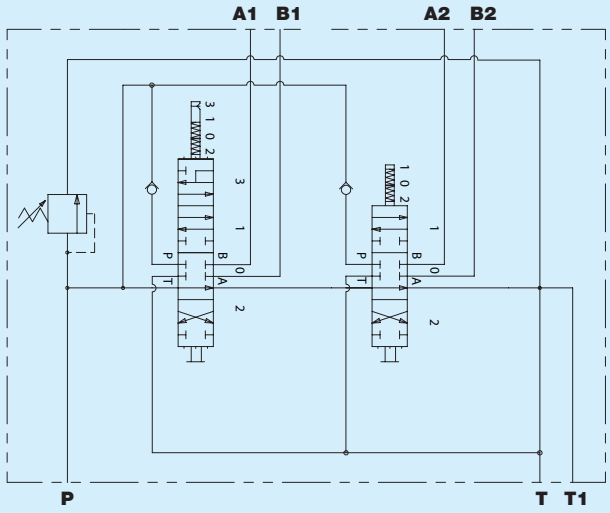
DN90FC - Valvola di controllo direzionale



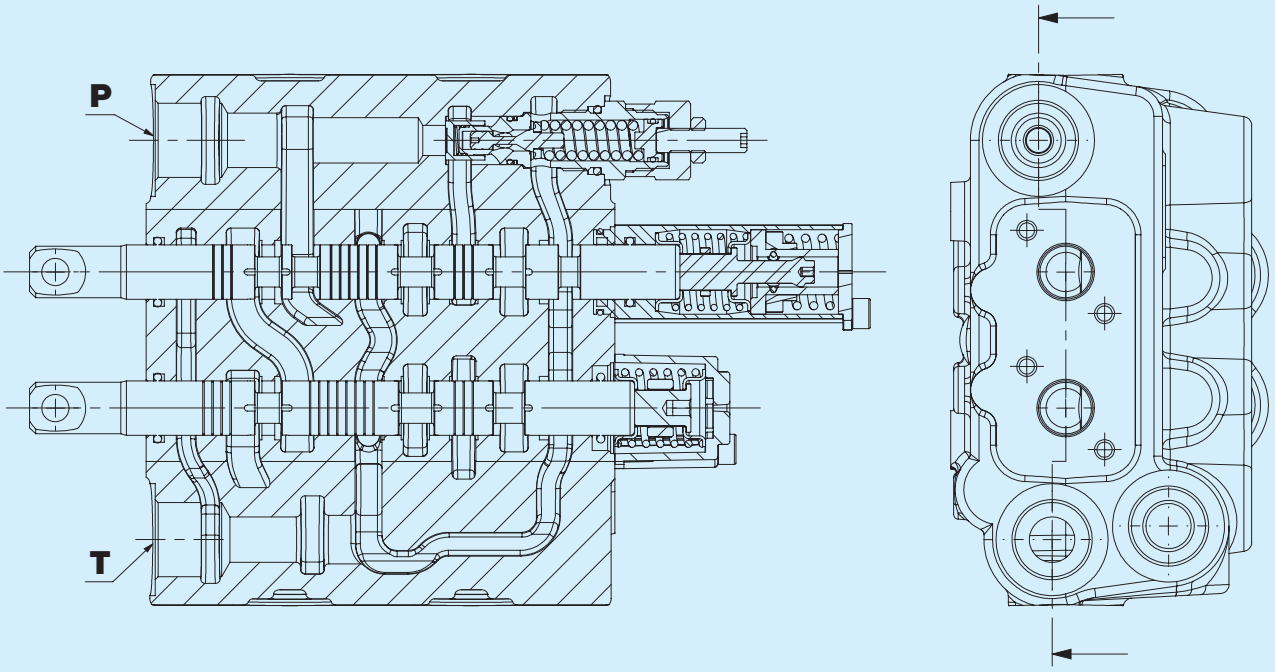
Prima di iniziare l'utilizzo leggere attentamente il documento ISTRUZIONI GENERALI D'IMPIEGO PER LE VALVOLE DI CONTROLLO DIREZIONALE

Portata nominale	**90 l/min** ***23,8 US gpm***
Pressione nominale	**250 bar** ***3625 psi***
Contropressione massima a scarico	**50 bar** ***725 psi***
Massima trafila interna (A o B -> P e T) p=100 bar (1450 psi)	**6 cm³/min** ***0,36 in³/min***
Temperatura di utilizzo	**-20°C +85°C NBR seals** ***(max peak +100°C)*** ***-20°C + 130°C HNBR seals***
Viscosità olio d'esercizio	**da 15 mm²/s a 90 mm²/s** ***(15 cSt a 90 cSt)***
Fluido	**Fluidi idraulici definiti dalla norma ISO 6743-4**



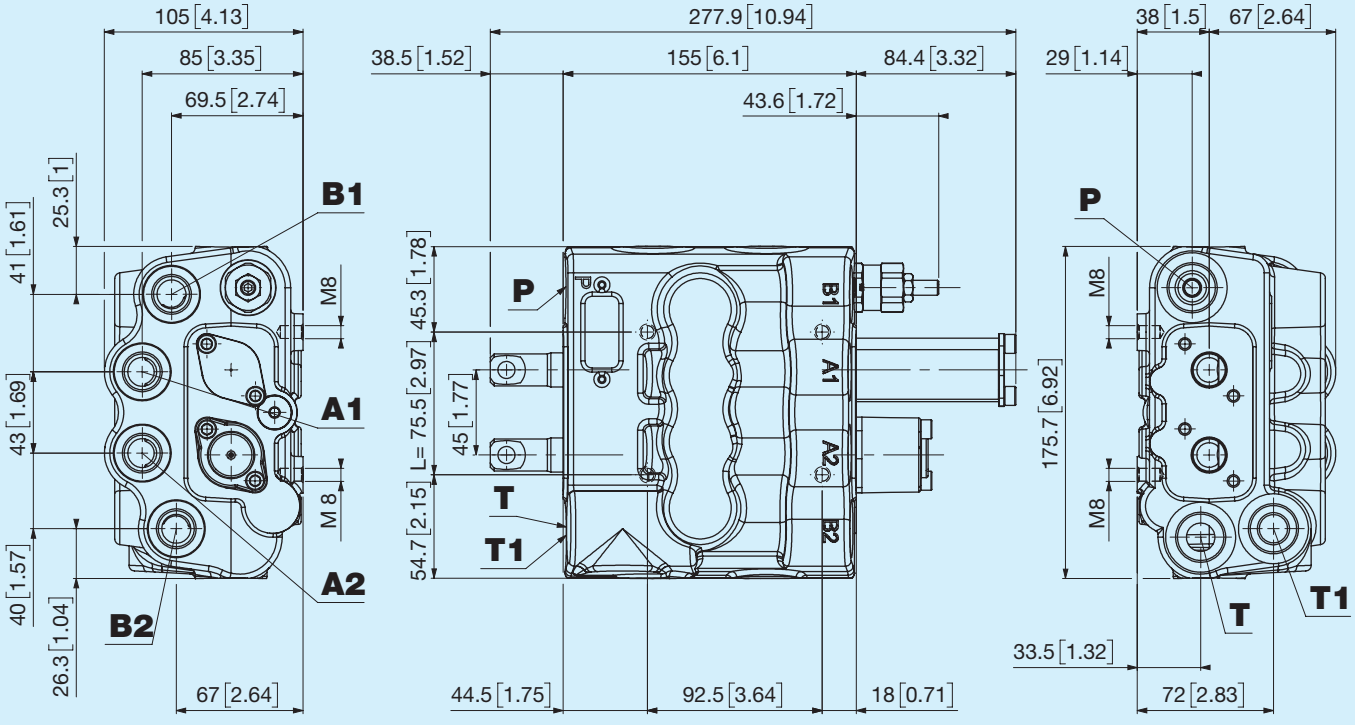
Versione STANDARD

Sezionato



Dimensioni

DN90FC



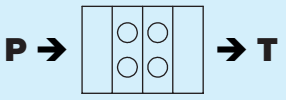
Standard

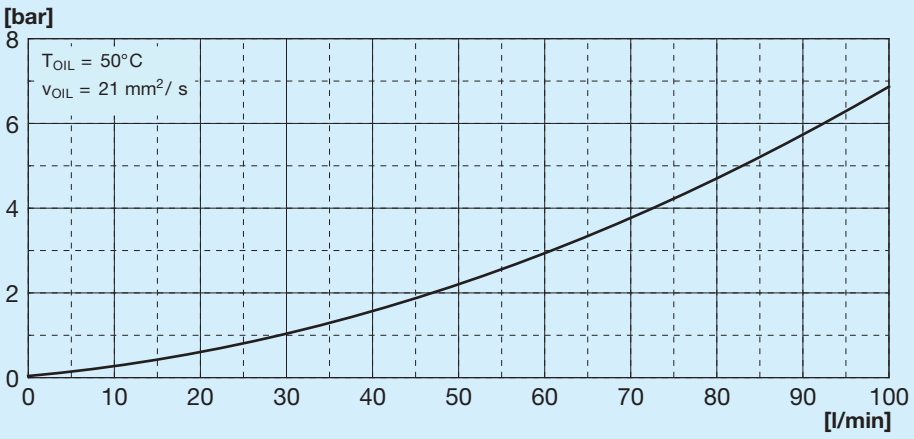
Dimensioni per numero di sezioni

Codice	N° sezioni	L		Massa	
		mm	in	kg	lb
2	2	75.5	2,97	14	30,8

Curve Caratteristiche

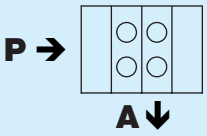
Curva caratteristica P-T

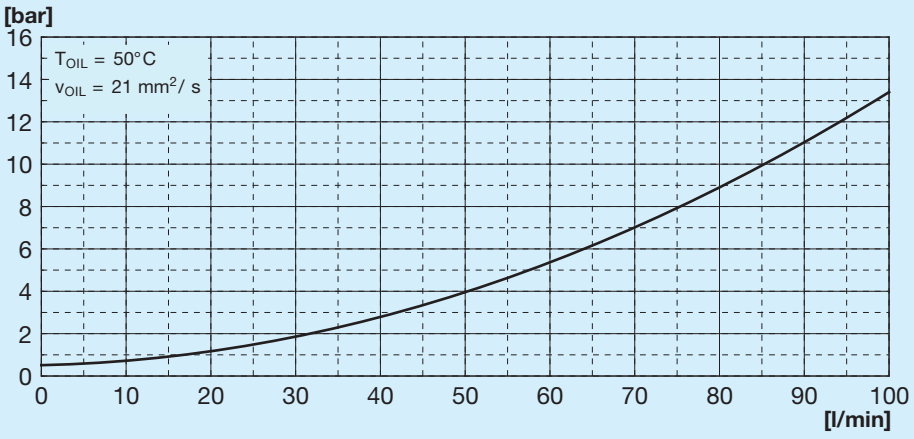




Parametri di prova: Circuito **01**

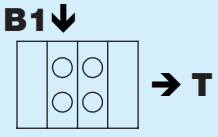
Curva caratteristica P-A

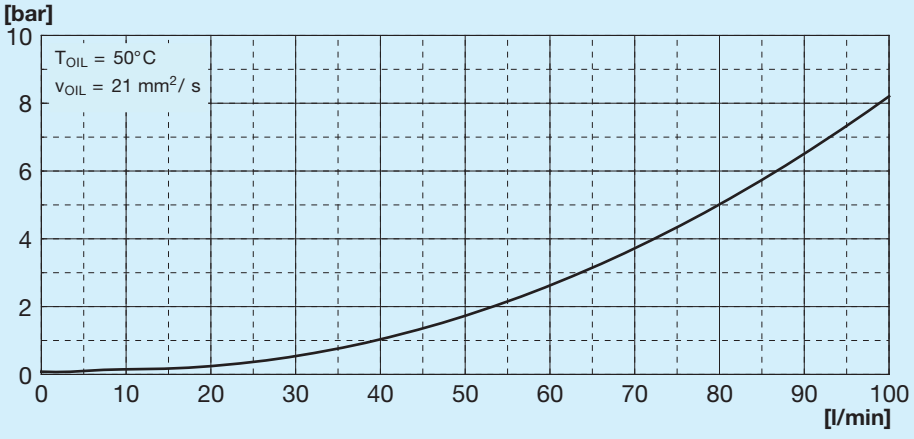




Parametri di prova: Circuito **01**

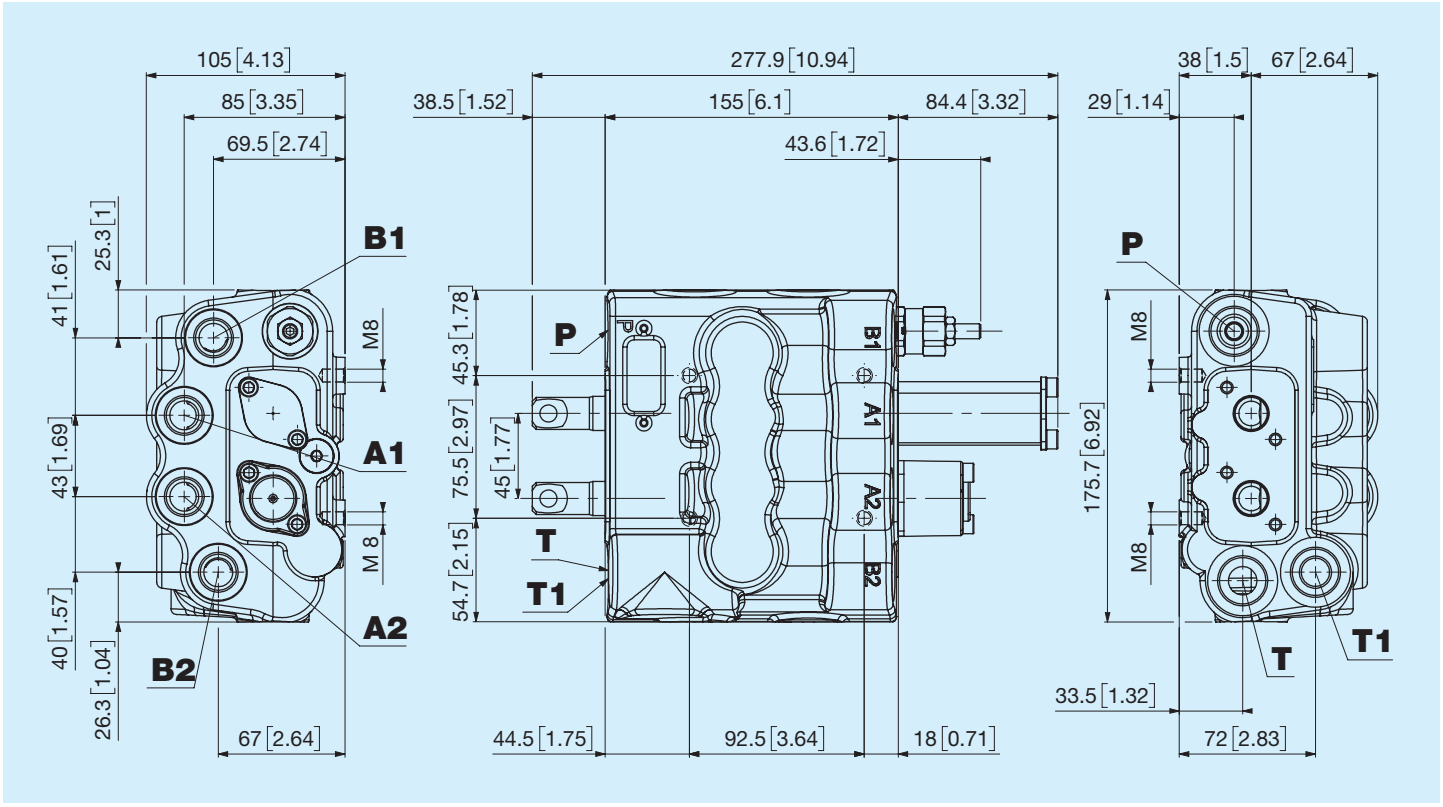
Curva caratteristica B1-T



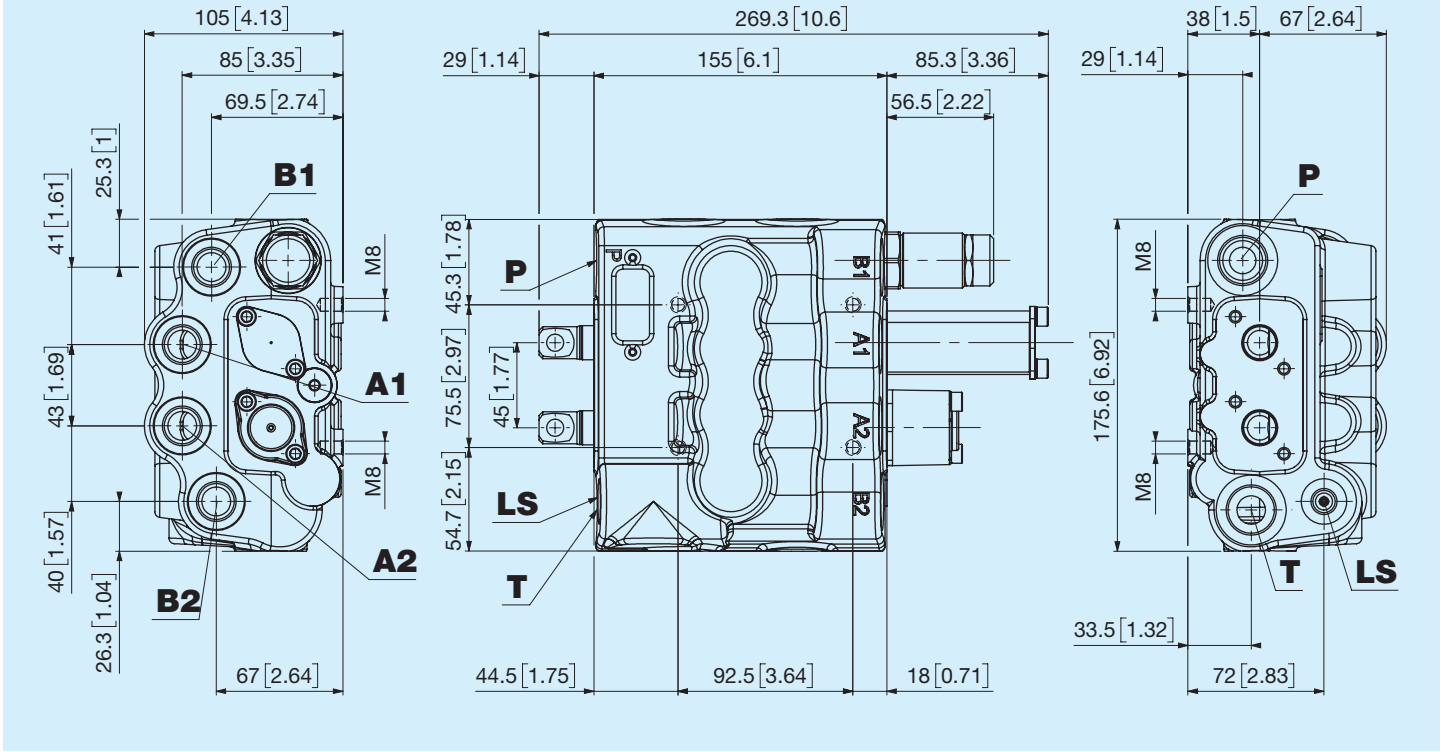


Parametri di prova: Circuito **01**

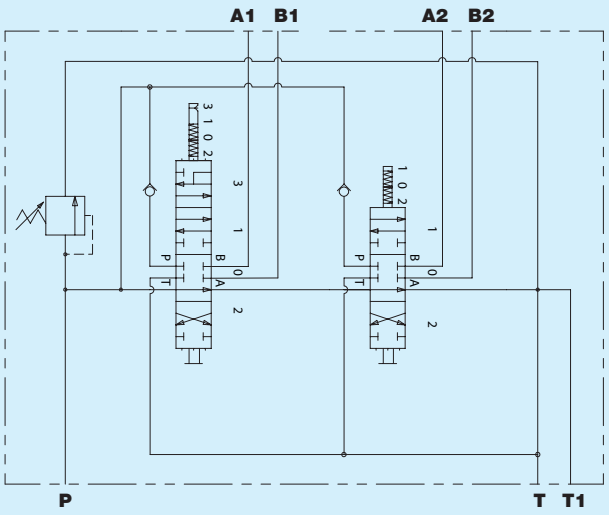
A Centro aperto (per pompa fissa)



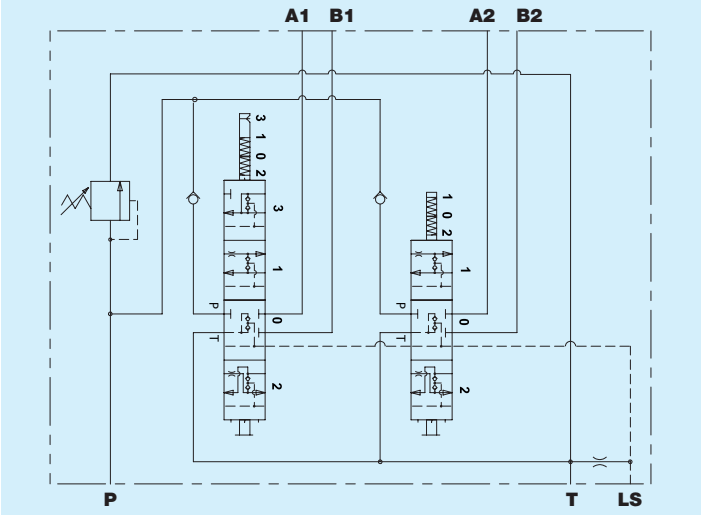
B LS (per pompa Load sensing)



Centro aperto



LS (Load sensing)



Filettatura bocche

Filettatura bocca P

Codice	Tipo	Serraggio ± 10% Nm
F	3/4'' GAS ISO 1179	150
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
E	3/4'' - 16 SAE ISO 11926	45
R	7/8'' - 14 SAE ISO 11926	70

Filettatura bocche A - B

Codice	Tipo	Serraggio ± 10% Nm
F	3/4'' GAS ISO 1179	150
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
E	3/4'' - 16 SAE ISO 11926	45
R	7/8'' - 14 SAE ISO 11926	70

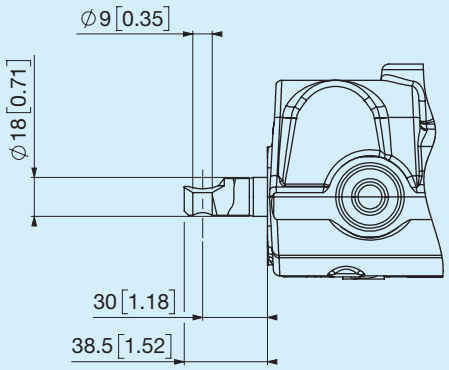
Filettatura bocca T

Codice	Tipo	Serraggio ± 10% Nm
F	3/4'' GAS ISO 1179	150
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
E	3/4'' - 16 SAE ISO 11926	45
R	7/8'' - 14 SAE ISO 11926	70

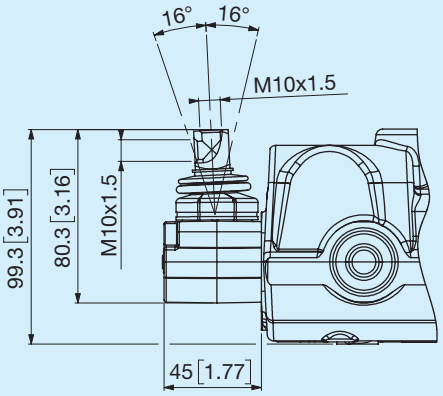
Filettatura bocca T1/LS

Codice	Tipo	Serraggio ± 10% Nm
L	1/4'' GAS ISO 1179	27
F	3/4'' GAS ISO 1179	150
3	M14x1,5 ISO 9974	27
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
P	9/16'' - 18 SAE ISO 11926	27
E	3/4'' - 16 SAE ISO 11926	45
R	7/8'' - 14 SAE ISO 11926	70

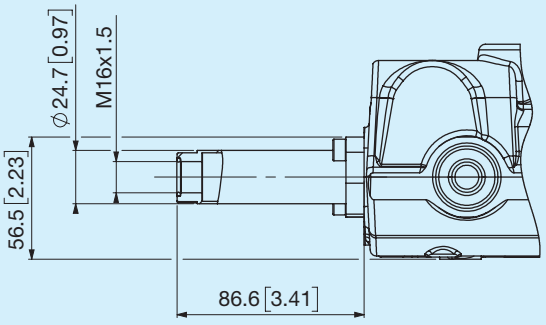
A Senza portaleva, appendice standard



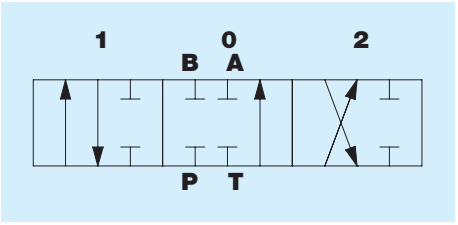
L Kit portaleva



T Predisposizione cavo lato azionamento



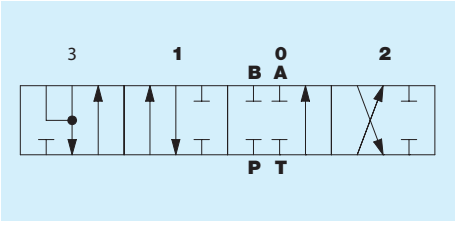
01 Circuito



Posizioni

3	1	0	2	4
	P → B A → T BP ⊣	P, T ⊣ A, B ⊣ BP →	P → A B → T BP ⊣	

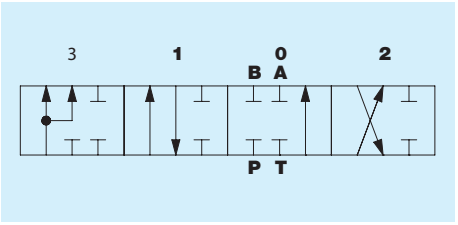
07 Circuito



Posizioni

3	1	0	2	4
A, B → T P ⊣ BP →	P → B A → T BP ⊣	P, T ⊣ A, B ⊣ BP →	P → A B → T BP ⊣	

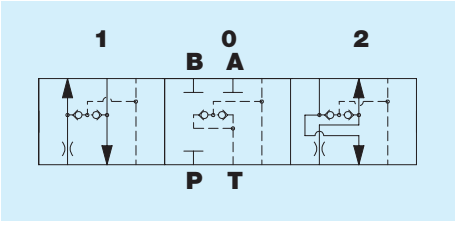
17 Circuito



Posizioni

3	1	0	2	4
P → A, B T ⊣ BP ⊣	P → B A → T BP ⊣	P, T ⊣ A, B ⊣ BP →	P → A B → T BP ⊣	

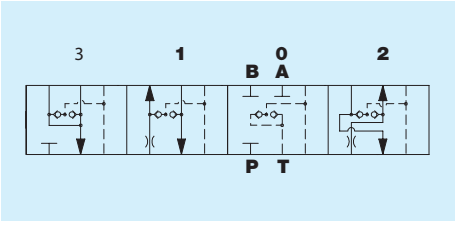
01 Circuito LS



Posizioni

3	1	0	2	4
	P → B A → T	P, T ⊣ A, B ⊣	P → A B → T	

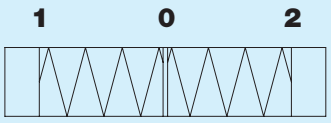
07 Circuito LS



Posizioni

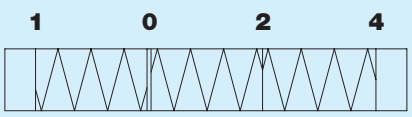
3	1	0	2	4
A, B → T P ⊣	P → B A → T	P, T ⊣ A, B ⊣	P → A B → T	

0A



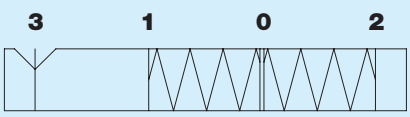
Posizione neutra in 0

0T



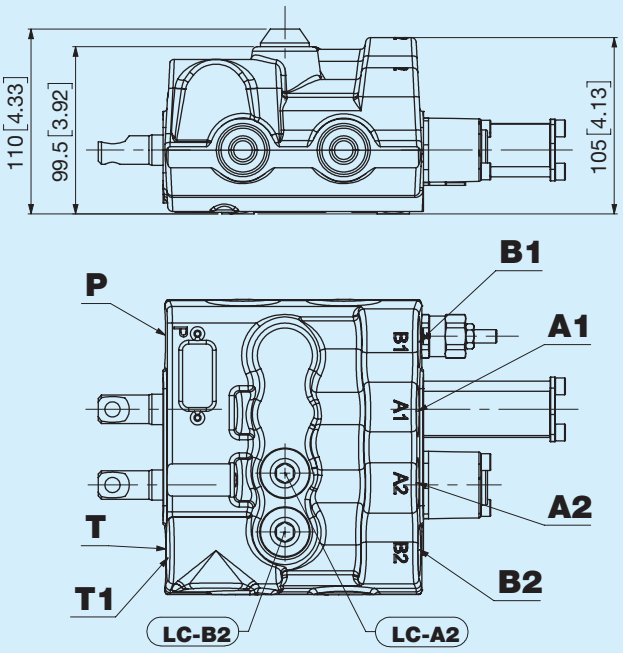
Posizione neutra in 0

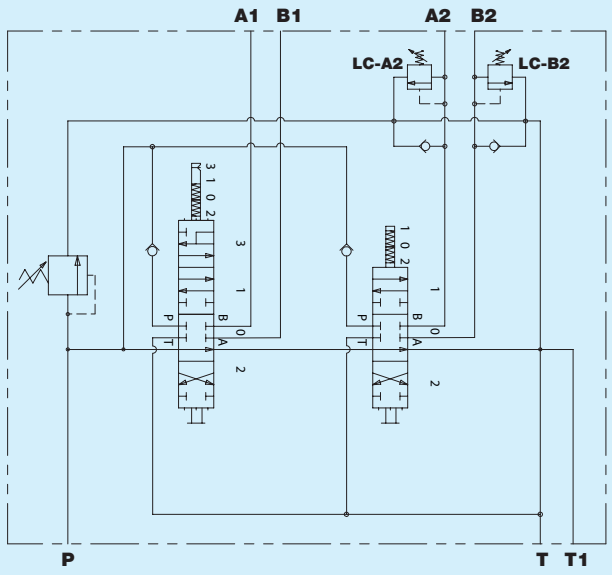
NS



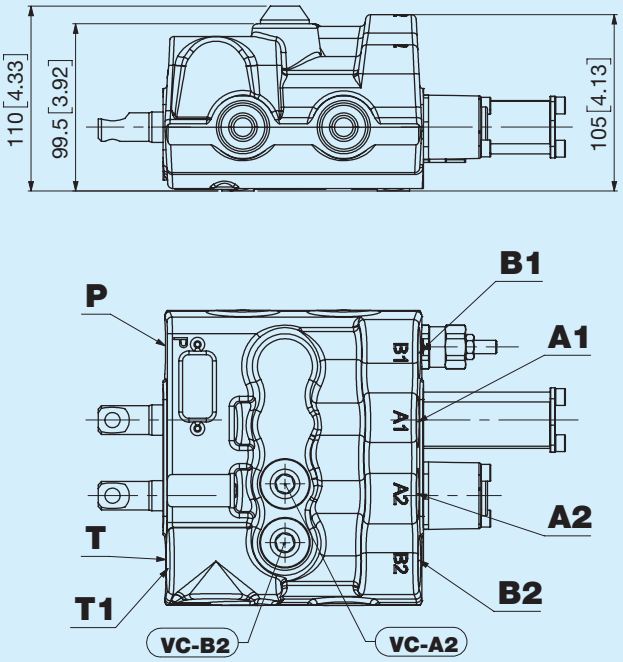
Posizione neutra in 0, detent in 3

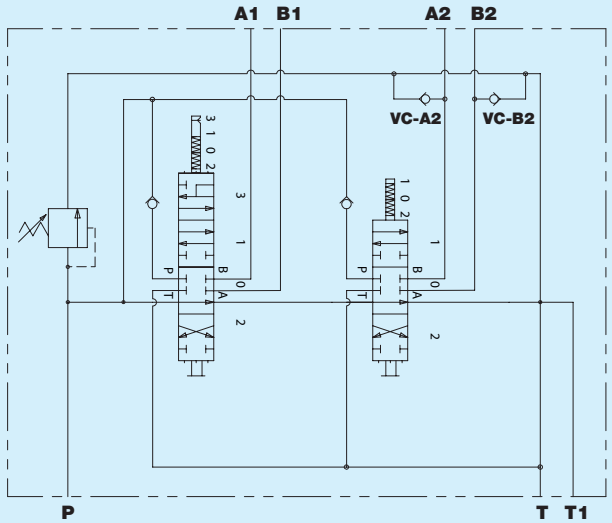
LC Valvola limitatrice di pressione e di





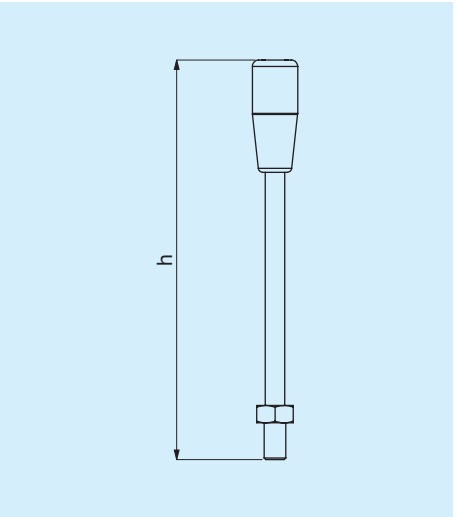
VC Valvola di anticavitazione





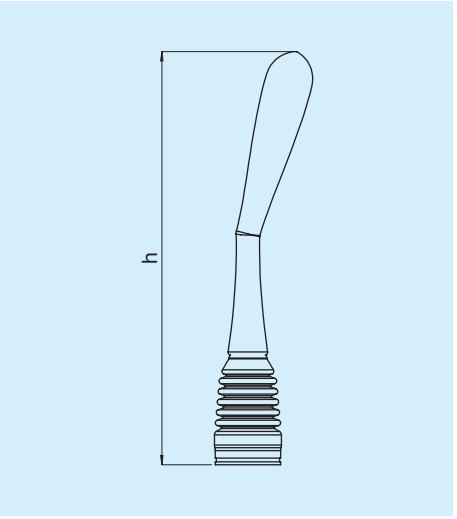
Dritta pomello standard

Codice	Descrizione	h [mm]	h [in]
A	Dritta pomello standard	109	4,3
B	Dritta pomello standard	134	5,28
C	Dritta pomello standard	184	7,24
D	Dritta pomello standard	214	8,42
E	Dritta pomello standard	254	10
F	Dritta pomello standard	304	11,97



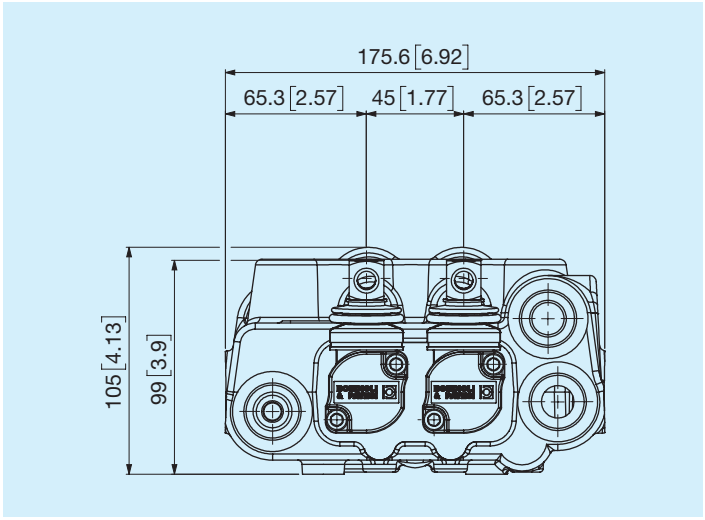
Leva ergonomica

Codice	Descrizione	h [mm]	h [in]
L	Dritta verticale	180	7,09
O	Piegata 15° verticale	180	7,09
R	Piegata 30° verticale	180	7,09
M	Dritta orizzontale	180	7,09
Y	Piegata 15° orizzontale	180	7,09
Q	Piegata 30° orizzontale	180	7,09

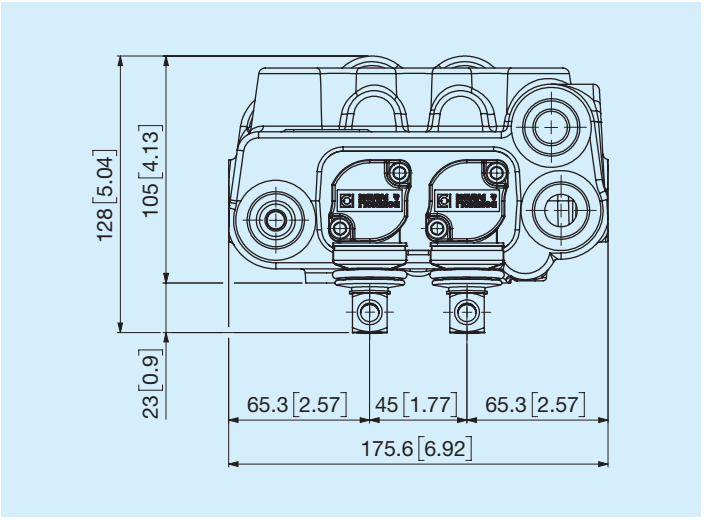


Posizione portaleva

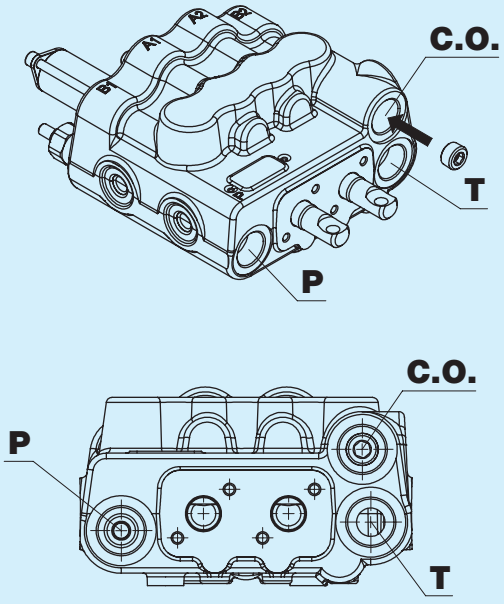
A Dritta

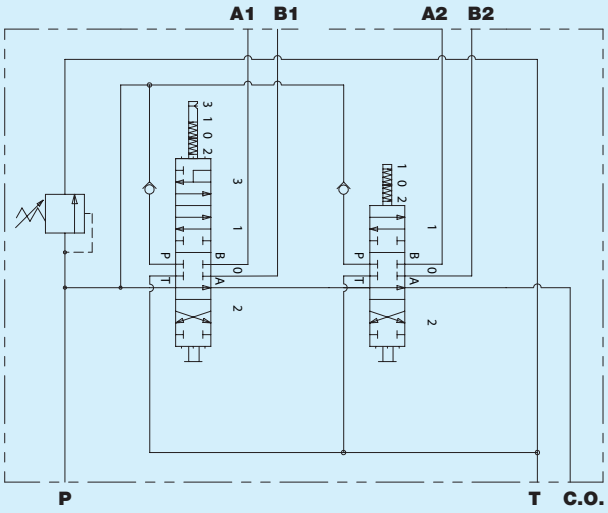


C Ruotata 180°



A Con Carry-Over bocca T1 (Standard)





Ripetere per ogni sezione del distributore

DN90FC	1	2	3	4	5 6	7	8	9	10 11	12	13 14	15 16

1

Numero di sezioni

2	Sezioni

2

Opzioni generali

N	Nessuna	**V**	Verniciatura nera	**Z**	Zincatura

3

Configurazione

A	Centro aperto (per pompa fissa)	**B**	LS (per pompa Load sensing)

4

Filettatura bocca P

F	3/4'' GAS ISO 1179	**J**	M22x1,5 ISO 6149	**R**	7/8'' - 14 SAE ISO 11926
N	M22x1,5 ISO 9974	**E**	3/4'' - 16 SAE ISO 11926		

5 6

Tipo valvola di massima pressione

00	Tappo sostitutivo VMP	**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		
10	100 bar	**16**	160 bar	**22**	220 bar		

7

Tipo di terminale valvola di massima pressione

G	Grano	**P**	Sigillata	**N**	Nessuna

8

Filettatura bocche A e B

F	3/4'' GAS ISO 1179	**J**	M22x1,5 ISO 6149	**R**	7/8'' - 14 SAE ISO 11926
N	M22x1,5 ISO 9974	**E**	3/4'' - 16 SAE ISO 11926		

9

Azionamenti

A	Senza portaleva, appendice standard	**L**	Kit portaleva	**T**	Predisposizione cavo lato azionamento

10 11

Circuiti

01	Circuito	**07**	Circuito	**17**	Circuito

12

Opzioni spole

A	Spola standard	**B**	Spola nichelata

13 14

Posizionatore

0A	Posizione neutra in 0	**NS**	Posizione neutra in 0, detent in 3	**...**	Per la scelta, vedi capitolo dedicato
0T	Posizione neutra in 0	**...**			

17	18	19	20	21	22	23	24

15 16 Tipo di valvola bocca A

00	Nessuna	**13**	LC 130 bar	**18**	LC 180 bar	**23**	LC 230 bar
TP	Lavorato tappato	**14**	LC 140 bar	**19**	LC 190 bar	**24**	LC 240 bar
VC	Valvola di anticavitazione	**15**	LC 150 bar	**20**	LC 200 bar	**25**	LC 250 bar
11	LC 110 bar	**16**	LC 160 bar	**21**	LC 210 bar		
12	LC 120 bar	**17**	LC 170 bar	**22**	LC 220 bar		

17 18 Tipo di valvola bocca B

00	Nessuna	**13**	LC 130 bar	**18**	LC 180 bar	**23**	LC 230 bar
TP	Lavorato tappato	**14**	LC 140 bar	**19**	LC 190 bar	**24**	LC 240 bar
VC	Valvola di anticavitazione	**15**	LC 150 bar	**20**	LC 200 bar	**25**	LC 250 bar
11	LC 110 bar	**16**	LC 160 bar	**21**	LC 210 bar		
12	LC 120 bar	**17**	LC 170 bar	**22**	LC 220 bar		

19 Opzioni leva

N	Nessuna	**C**	h 184 mm / 7,24 in	**L**	Dritta verticale	**Y**	Piegata 15° orizzontale
S	Senza leva	**D**	h 214 mm / 8,42 in	**O**	Piegata 15° verticale	**Q**	Piegata 30° orizzontale
A	h 109 mm / 4,3 in	**E**	h 254 mm / 10 in	**R**	Piegata 30° verticale		
B	h 134 mm / 5,28 in	**F**	h 304 mm / 11,97 in	**M**	Dritta orizzontale		

20 Posizione portaleva

A	Dritta	**C**	Ruotata 180°	**N**	Nessuna

21 Filettatura bocca T

F	3/4'' GAS ISO 1179	**J**	M22x1,5 ISO 6149	**R**	7/8'' - 14 SAE ISO 11926
N	M22x1,5 ISO 9974	**E**	3/4'' - 16 SAE ISO 11926		

22 Filettatura bocca T1 / LS

L	1/4'' GAS ISO 1179	**3**	M14x1,5 ISO 9974	**J**	M22x1,5 ISO 6149	**E**	3/4'' - 16 SAE ISO 11926
F	3/4'' GAS ISO 1179	**N**	M22x1,5 ISO 9974	**P**	9/16'' - 18 SAE ISO 11926	**R**	7/8'' - 14 SAE ISO 11926

23 Opzioni su bocca T - T1

A	T aperto - T1 aperto (Standard)	**B**	T aperto - T1 tappato	**C**	T tappato - T1 aperto

24 Opzioni a scarico

A	Con Carry-Over bocca T1 (Standard)	**B**	Predisposizione Carry-Over bocca T1	**N**	Nessuna