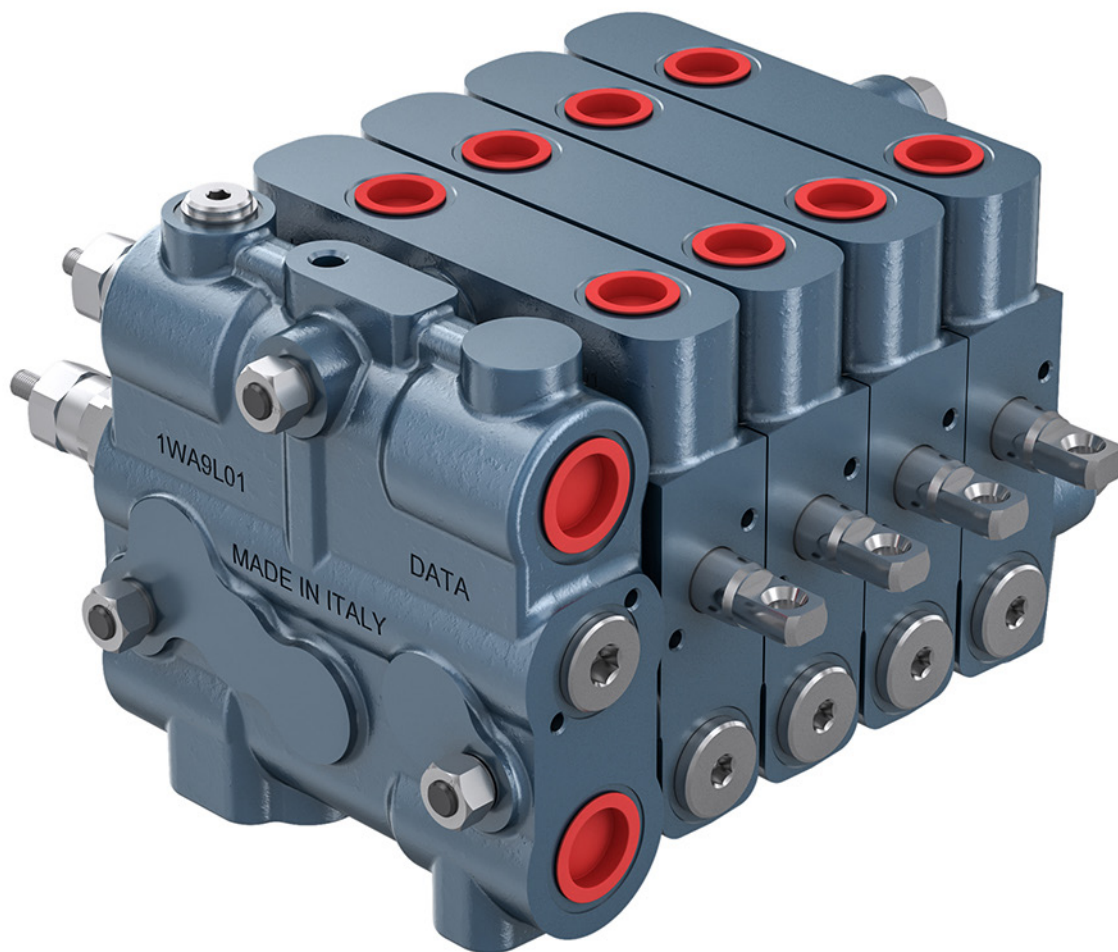
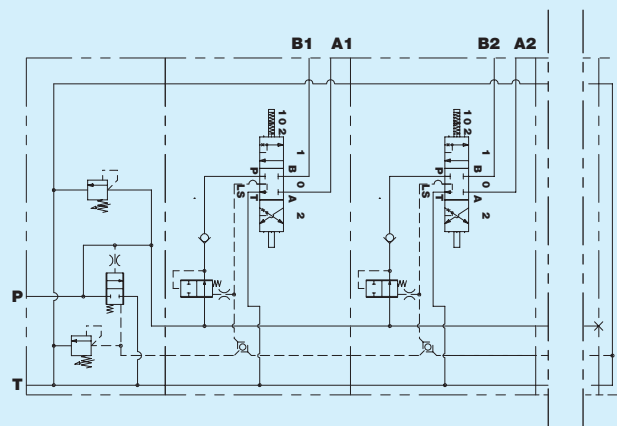


LSC90 - Valvole di controllo direzionale componibili per trattori Load sensing



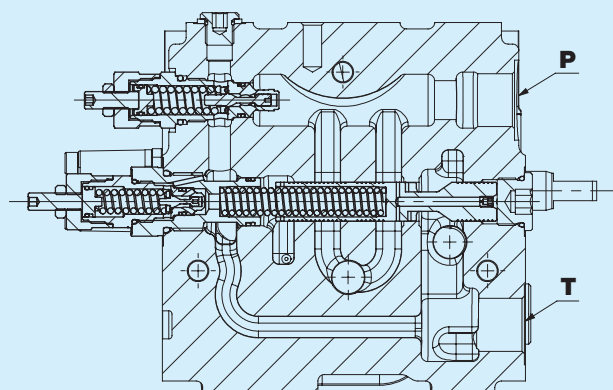
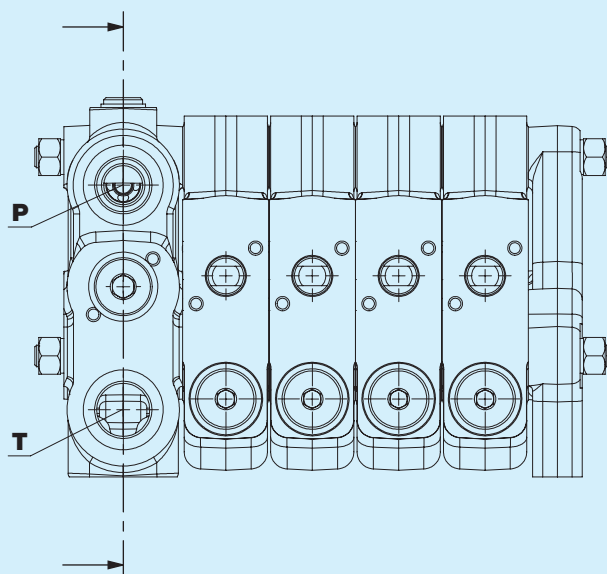
Prima di iniziare l'utilizzo leggere attentamente il documento ISTRUZIONI GENERALI D'IMPIEGO PER LE VALVOLE DI CONTROLLO DIREZIONALE

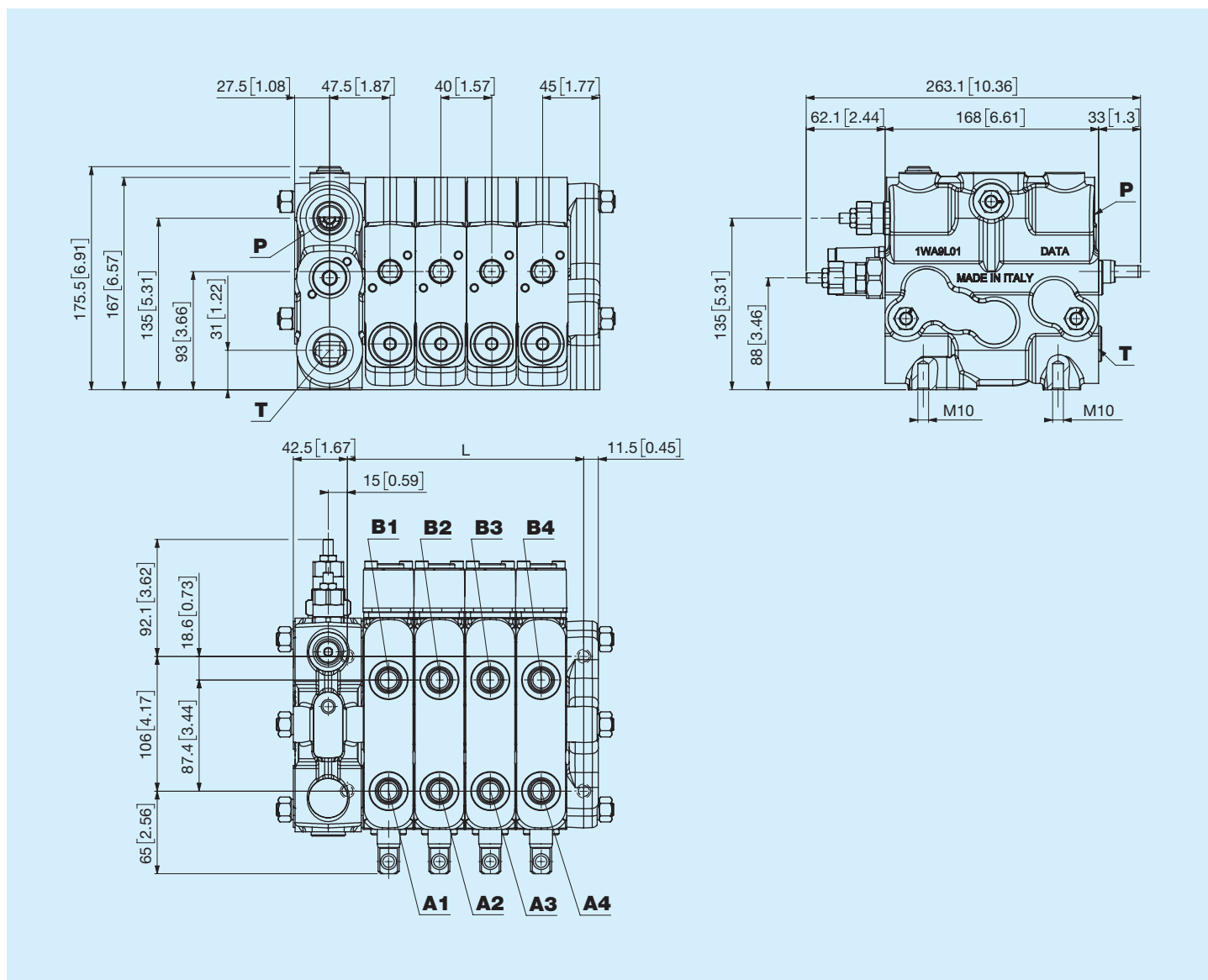
Portata nominale	100 l/min 26,4 US gpm
Pressione nominale	250 bar 3625 psi
Contropressione massima a scarico	20 bar 290 psi
Trafilata interna (A o B -> P e T) p=100 bar (1450 psi)	< 15 cm³/min 0,91 in³/min
Trafilata interna con valvola zero trafile	< 3 cm³/min 0,18 in³/min
Temperatura di utilizzo	-20°C +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

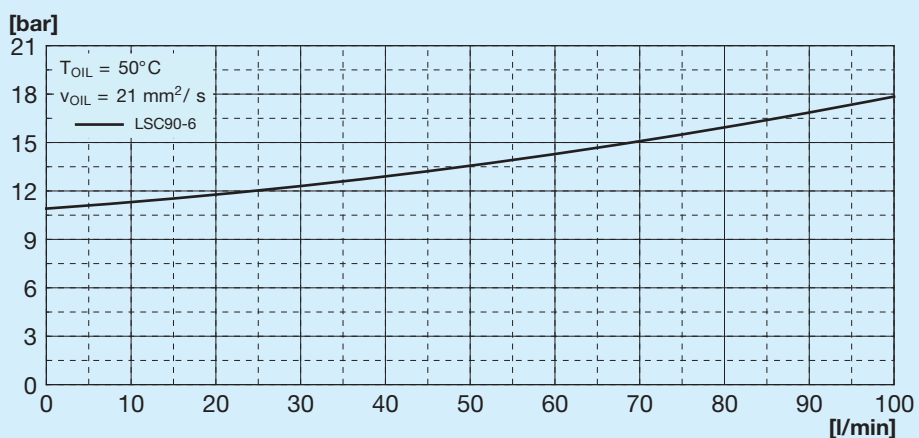
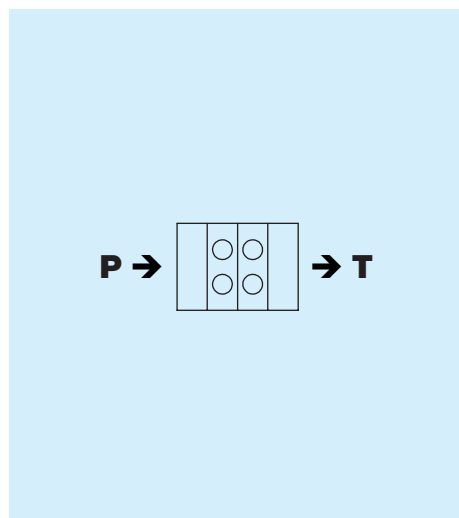




Dimensioni per numero di sezioni

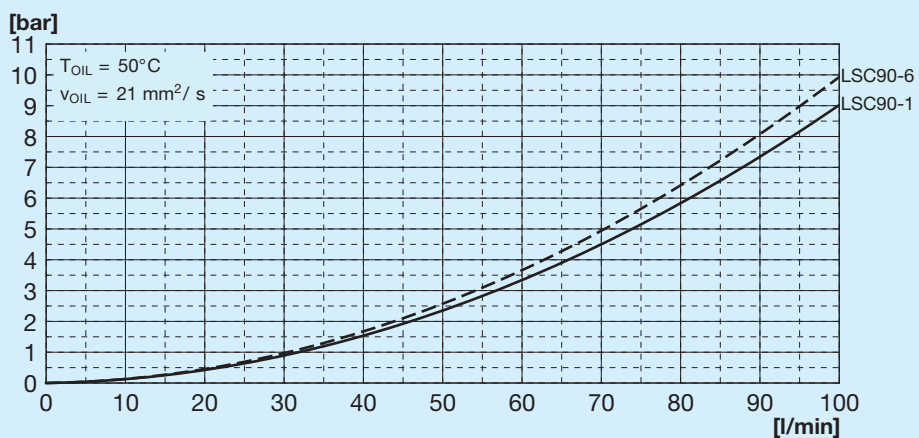
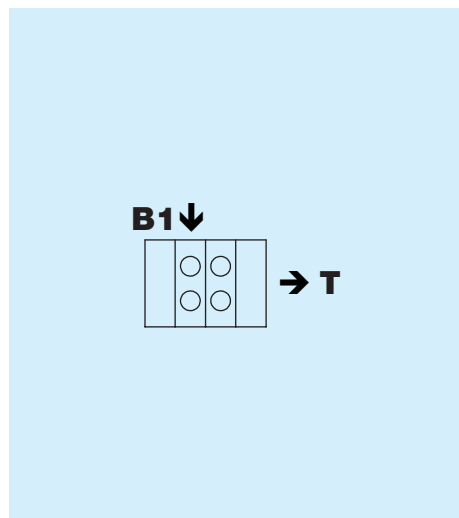
Codice	N° sezioni	L		Massa	
		mm	in	kg	lb
1	1	66	2,60	17	37,5
2	2	106	4,17	23	50,7
3	3	146	5,75	29	63,9
4	4	186	7,32	35	77,1
5	5	226	8,90	41	90,4
6	6	266	10,47	47	103,6

Curva caratteristica P-T



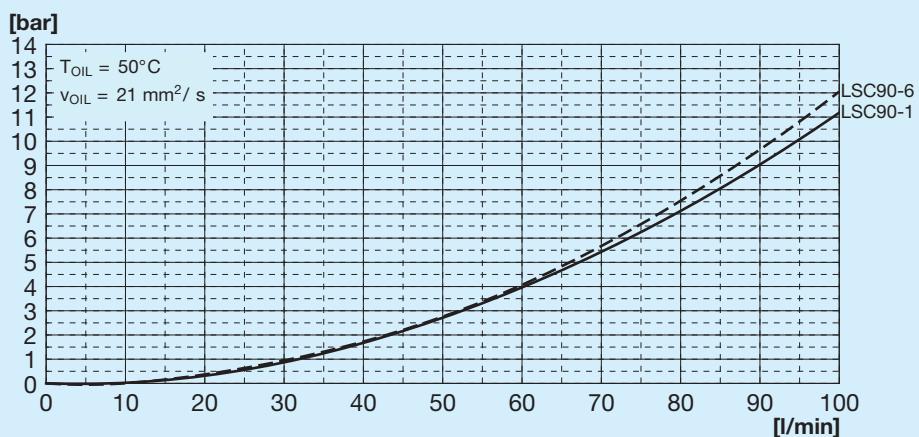
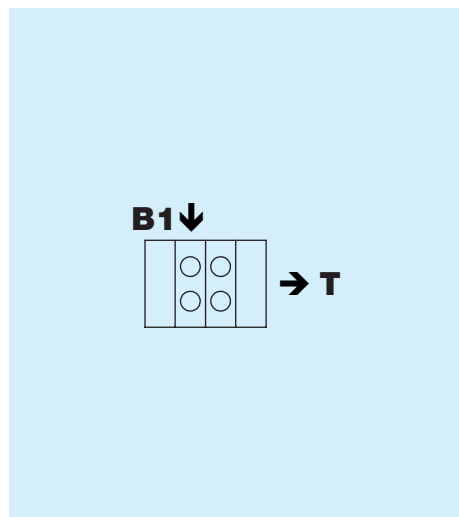
Parametri di prova: Circuito **01**

Curva caratteristica B1 - T



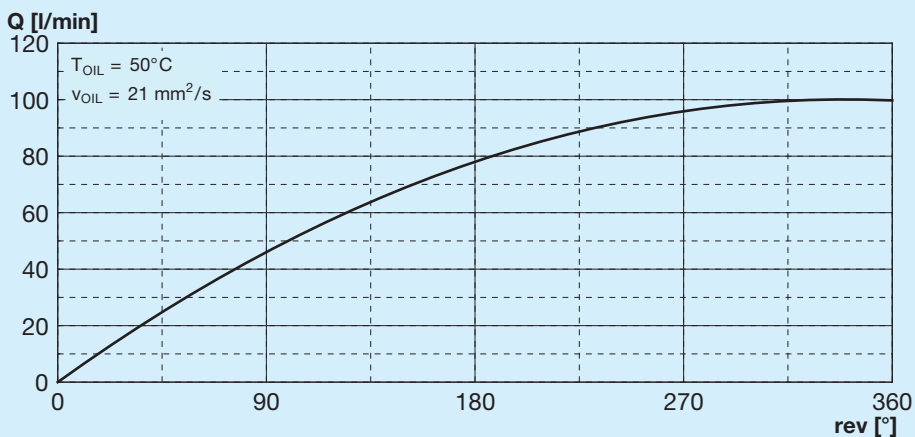
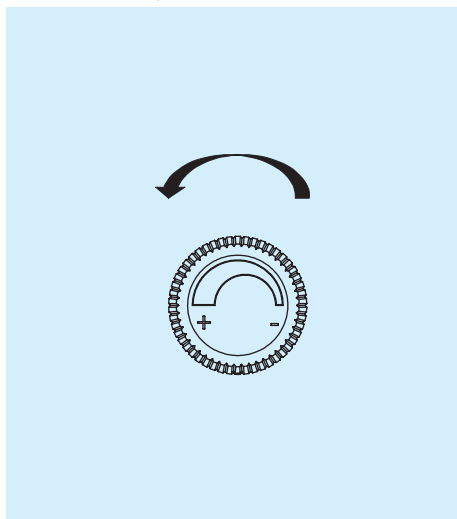
Parametri di prova: Circuito **01**

Curva caratteristica B1 - T con dispositivo zero trafile

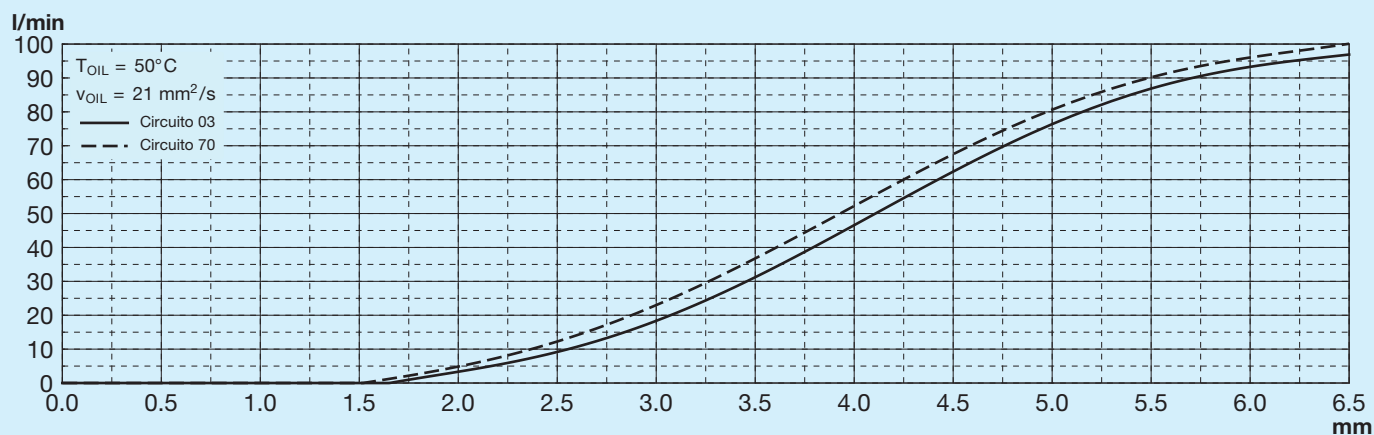


Parametri di prova: Circuito **70**

Curva di regolazione con limitatore di flusso

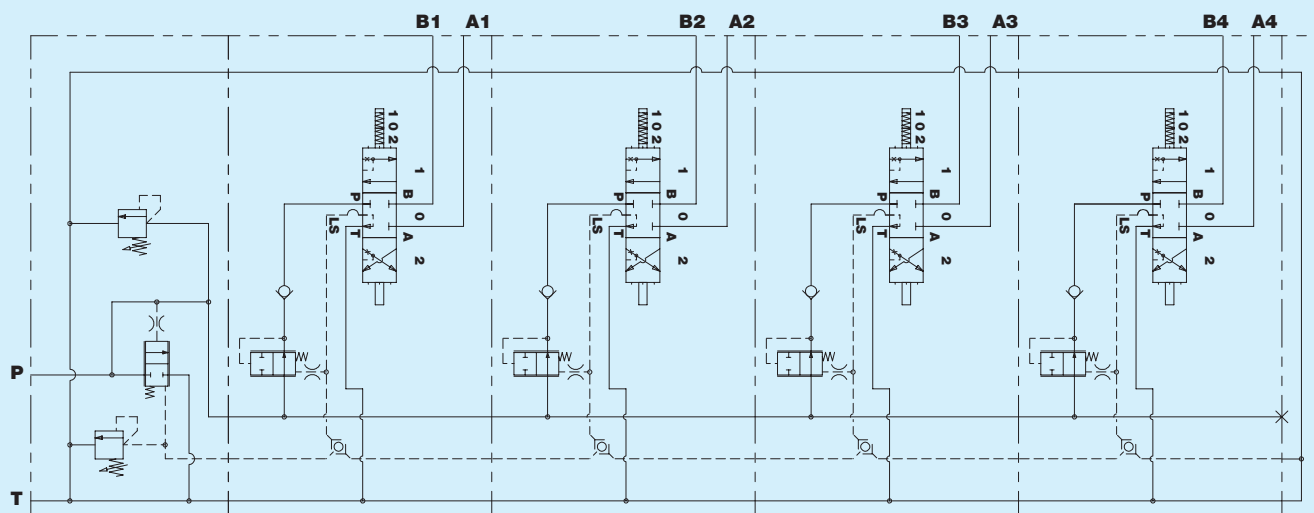
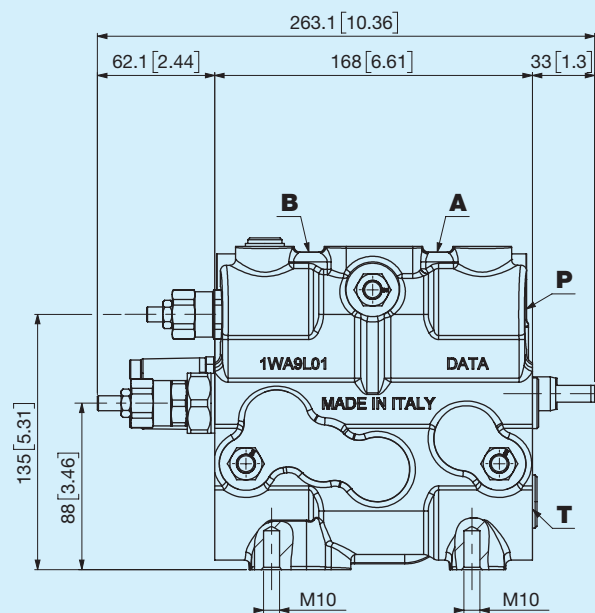
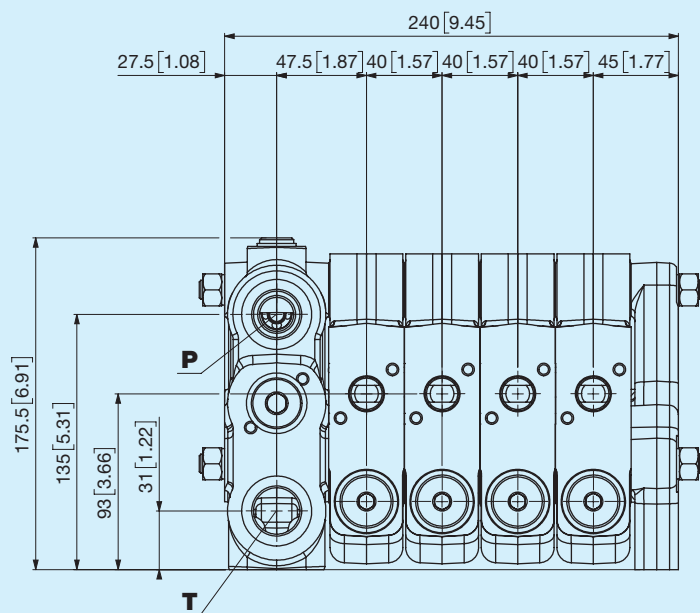


Metering

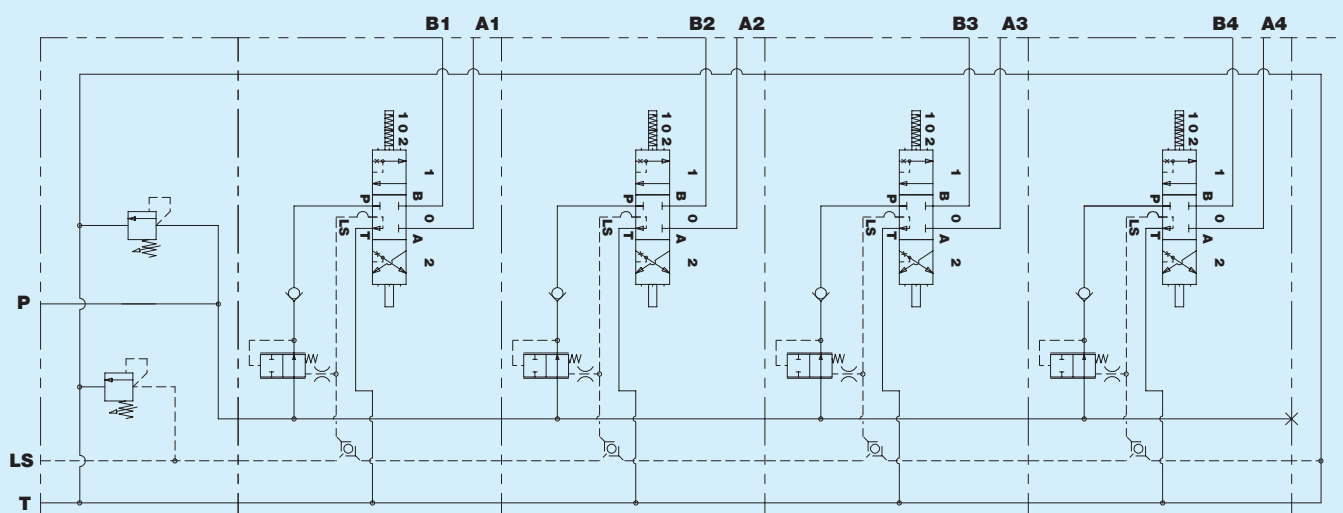
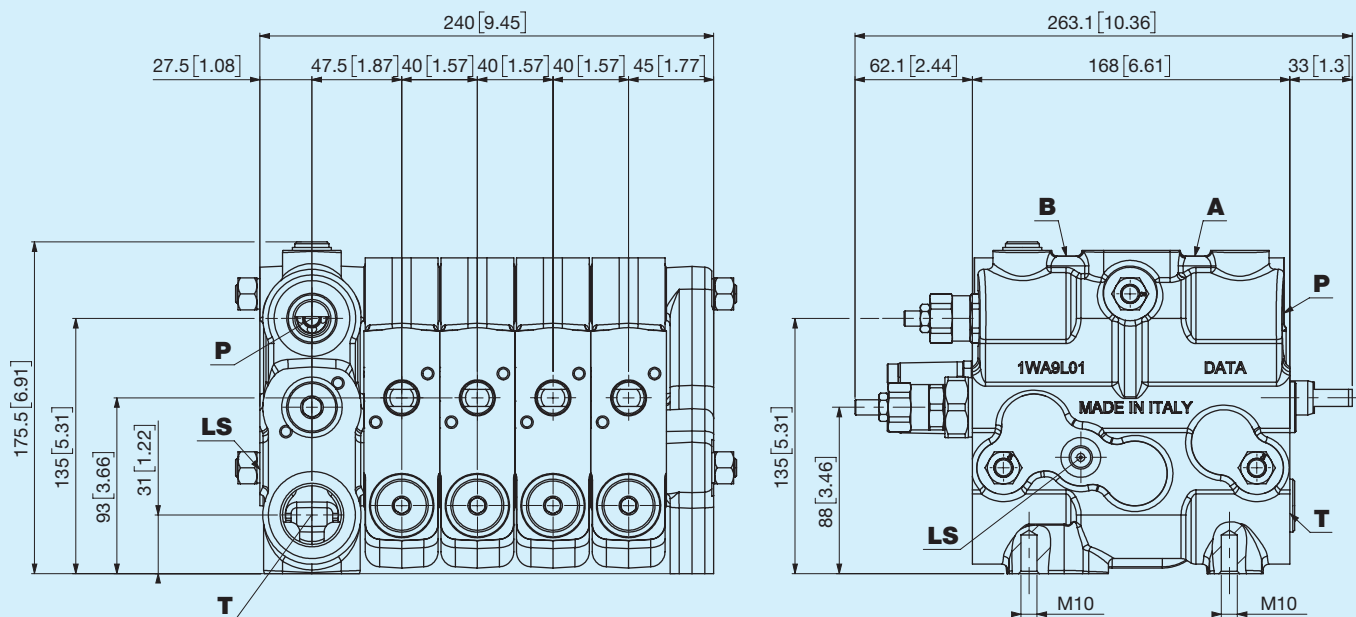


Parametri di prova: Circuito **03** **70**

A Centro aperto (pompa con portata fissa)



B Centro chiuso (pompa Load sensing)



Filettatura bocca P

Codice	Tipo	Serraggio $\pm 10\%$ 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	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

Filettatura bocca T

Codice	Tipo	Serraggio $\pm 10\%$ 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	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

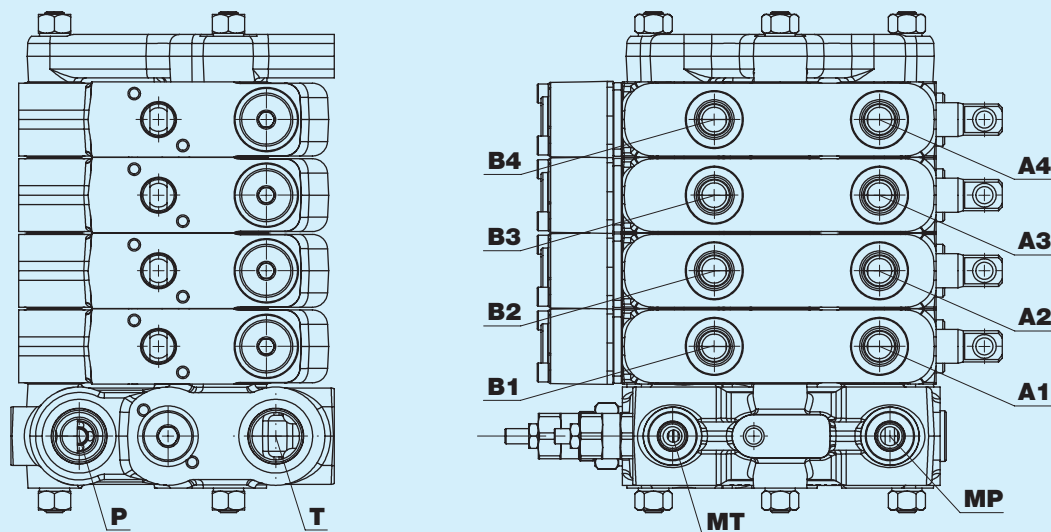
Filettatura bocca LS

Codice	Tipo	Serraggio $\pm 10\%$ Nm
0	Non lavorata	
L	1/4" GAS ISO 1179	27
3	M14x1,5 ISO 9974	27
K	M14x1,5 ISO 6149	27
P	9/16" - 18 SAE ISO 11926	27

Filettatura bocche A - B

Codice	Tipo	Serraggio $\pm 10\%$ Nm
B	1/2" GAS ISO 1179	70
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
R	7/8" - 14 SAE ISO 11926	70

MP e MT - Prese manometriche



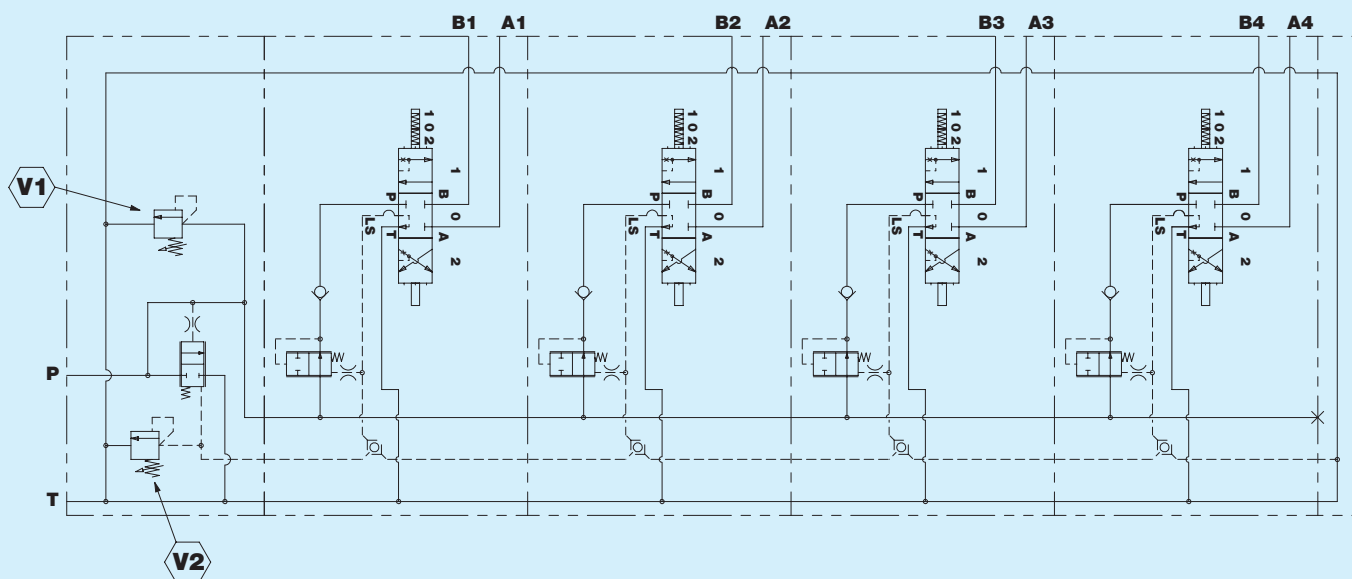
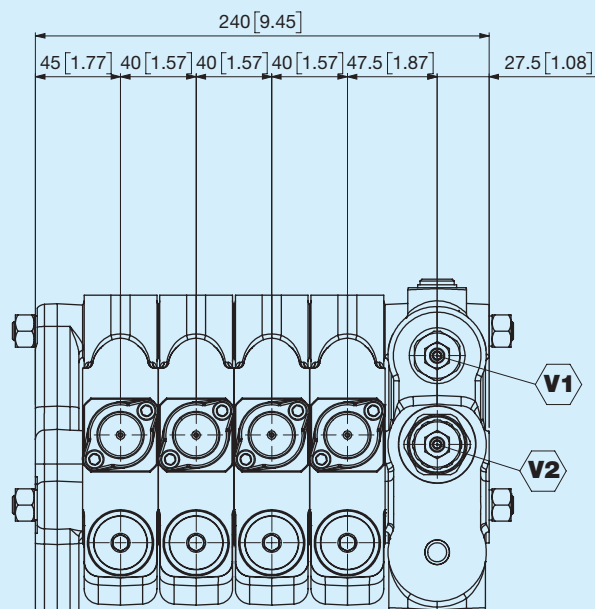
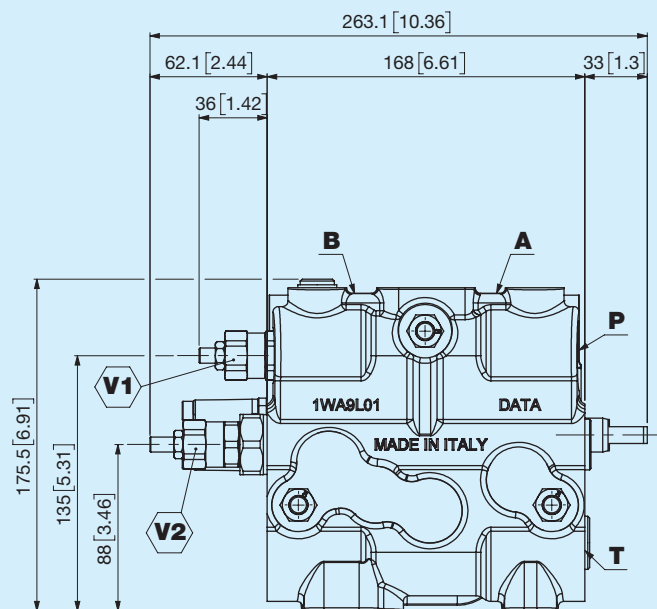
Filettatura bocca MP

Codice	Tipo	Serraggio $\pm 10\%$ Nm
N	Nessuna	
L	1/4" GAS ISO 1179	27
3	M14x1,5 ISO 9974	27
K	M14x1,5 ISO 6149	27
P	9/16" - 18 SAE ISO 11926	27

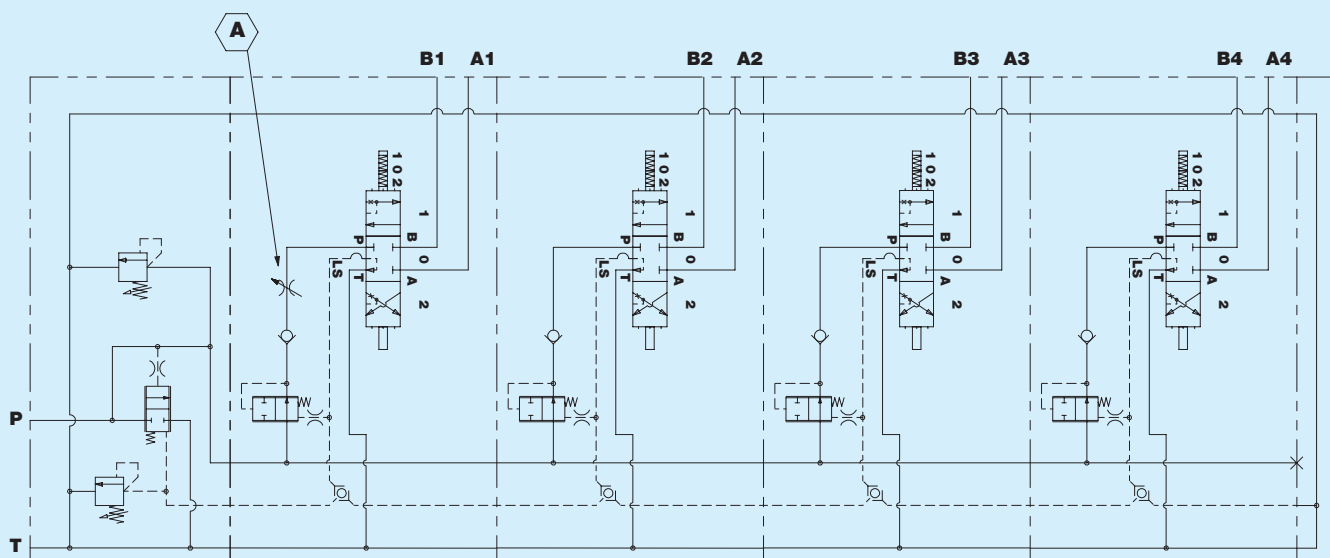
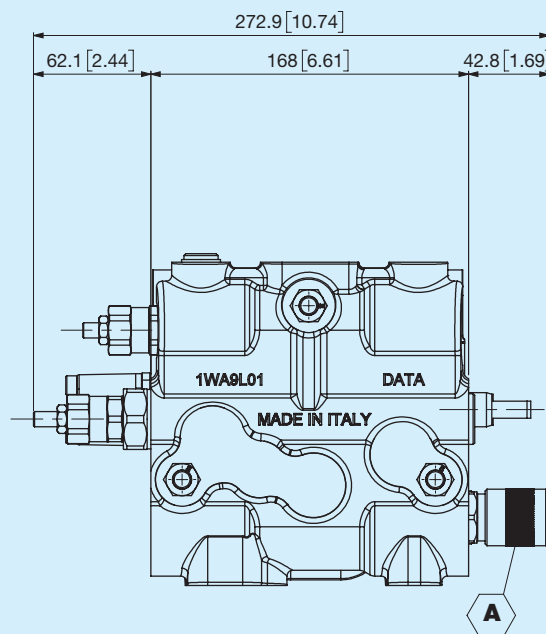
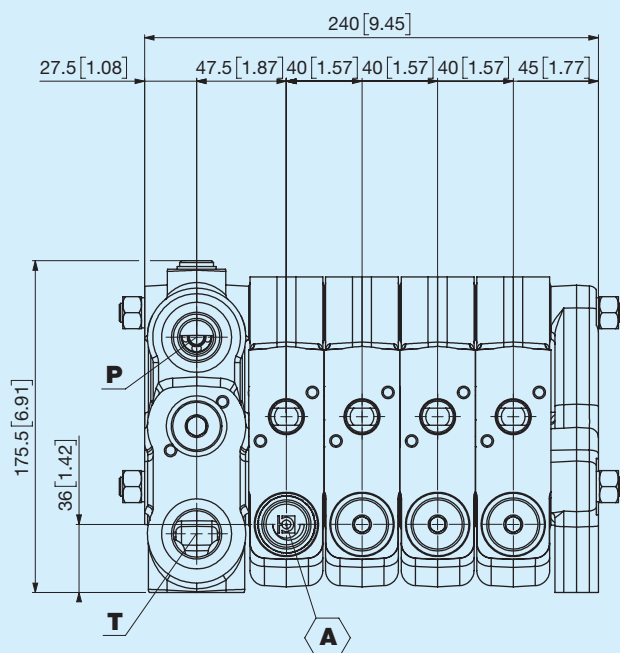
Filettatura bocca MT

Codice	Tipo	Serraggio $\pm 10\%$ Nm
L	1/4" GAS ISO 1179	27
3	M14x1,5 ISO 9974	27
K	M14x1,5 ISO 6149	27
P	9/16" - 18 SAE ISO 11926	27

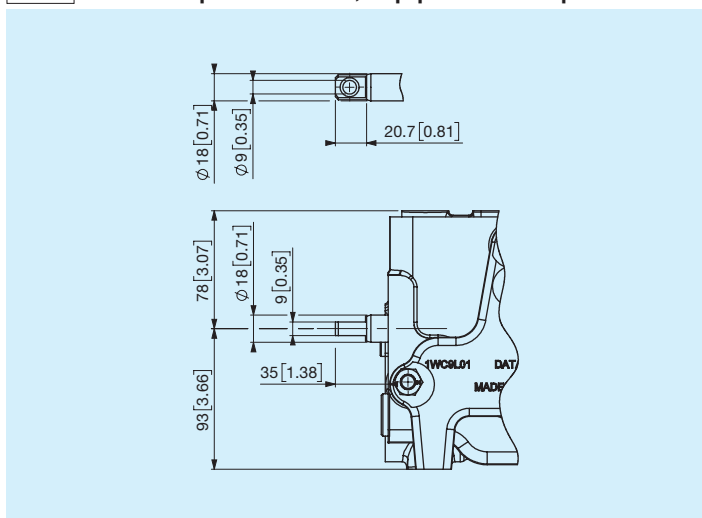
VMP - Valvola di massima pressione linea P e LS



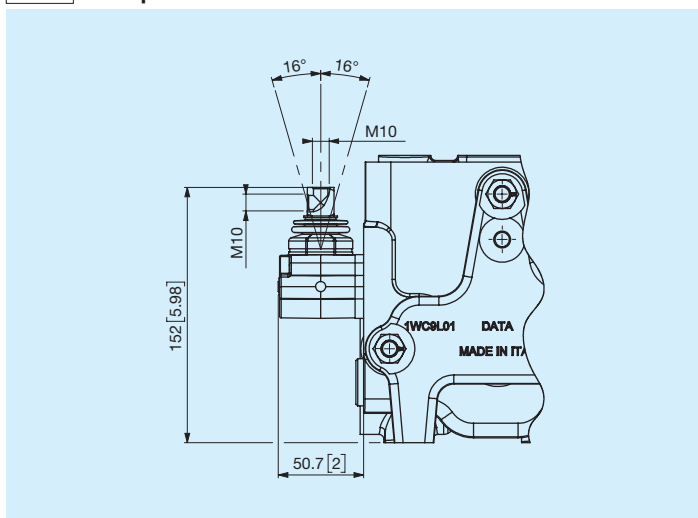
A Regolatore di flusso



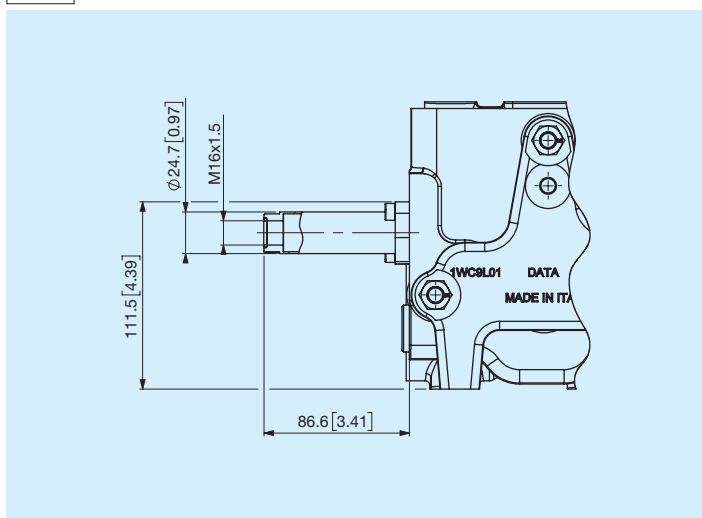
C Senza portaleva, appendice piatta



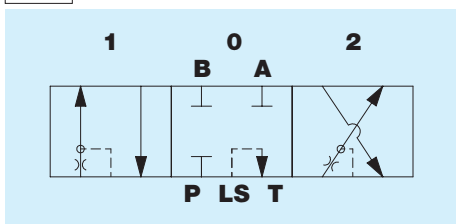
L Kit portaleva



T Cavo lato azionamento



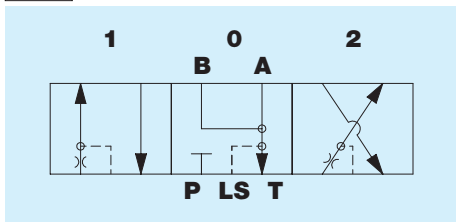
01 Circuito



Posizioni

3	1	0	2	4
	$P \rightarrow B$ $A \rightarrow T$	$P, T \dashv$ $A, B \dashv$	$P \rightarrow A$ $B \rightarrow T$	

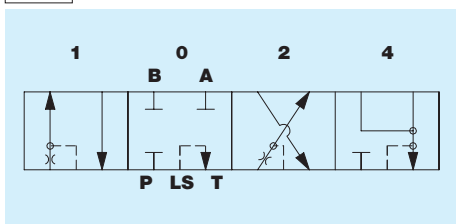
03 Circuito



Posizioni

3	1	0	2	4
	$P \rightarrow B$ $A \rightarrow T$	$A, B \rightarrow T$ $P \dashv$	$P \rightarrow A$ $B \rightarrow T$	

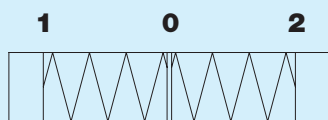
70 Circuito



Posizioni

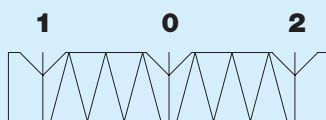
3	1	0	2	4
	$P \rightarrow B$ $A \rightarrow T$	$P, T \dashv$ $A, B \dashv$	$P \rightarrow A$ $B \rightarrow T$	$A, B \rightarrow T$ $P \dashv$

0A



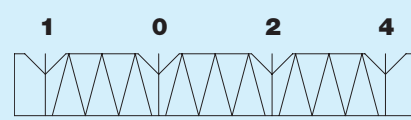
Posizione neutra in 0

0D



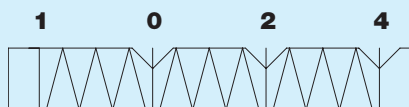
Detent in 0, 1, 2

PT



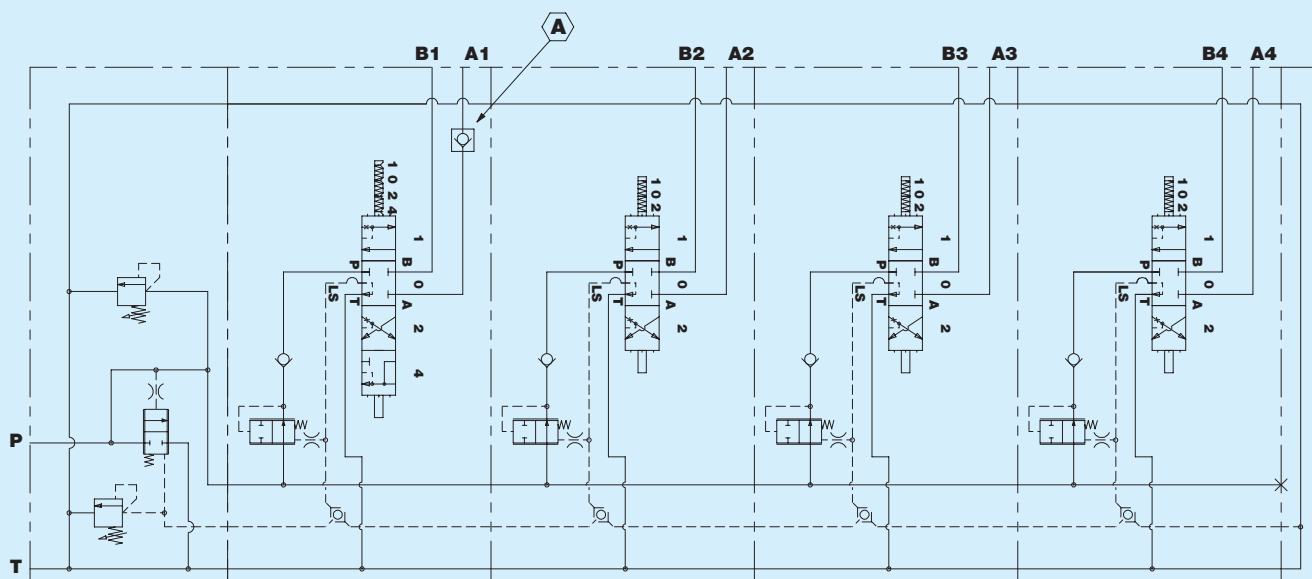
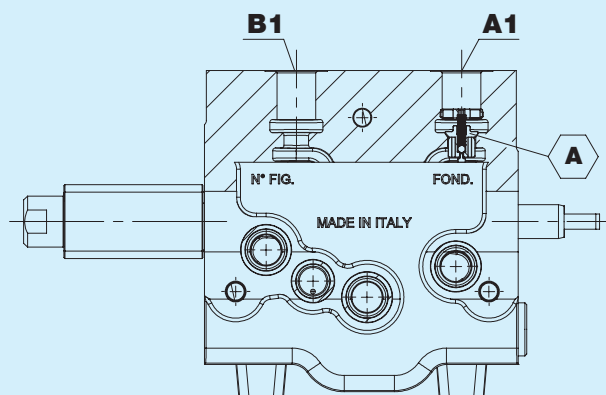
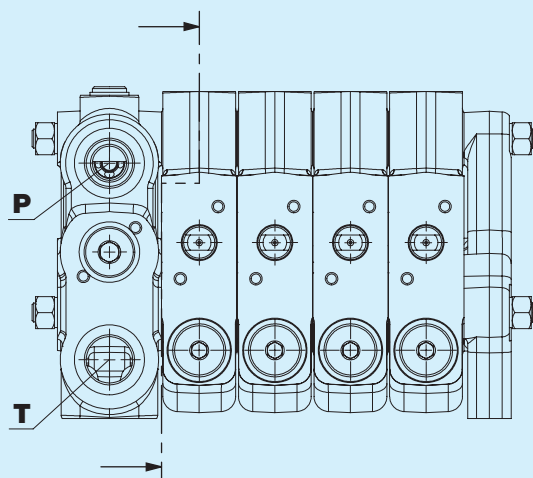
Detent in 1, 0, 2, 4

CP

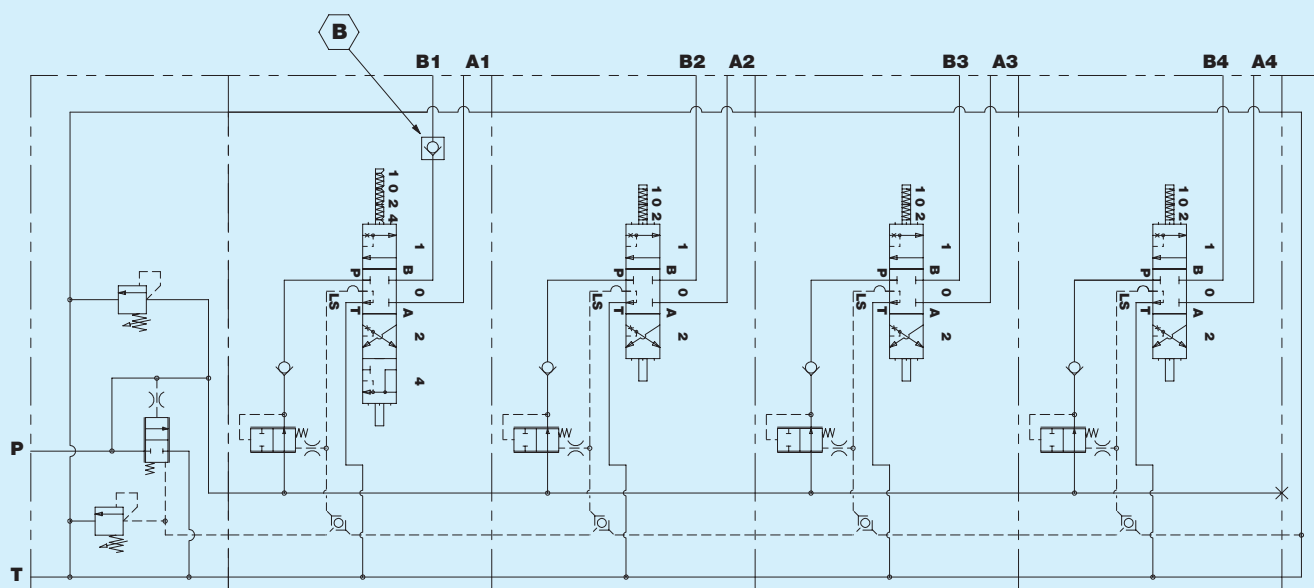
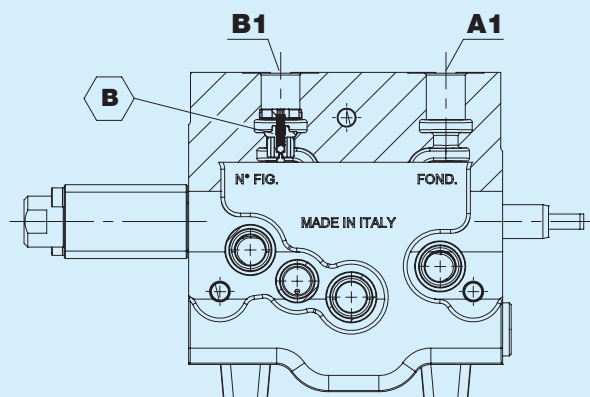
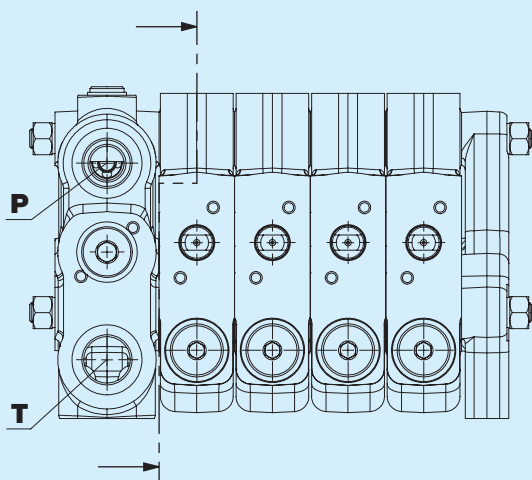


Posizione neutra in 0, detent in 2, 4

A Zero trafile bocca A

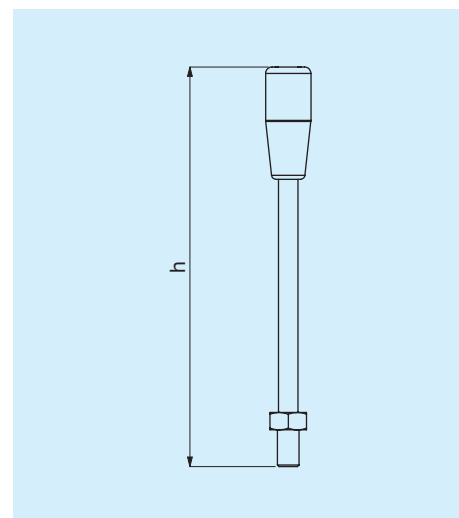


B Zero trafila bocca B



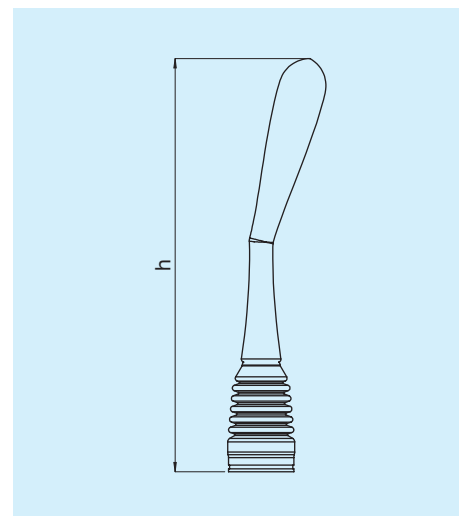
Dritta pomello standard

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

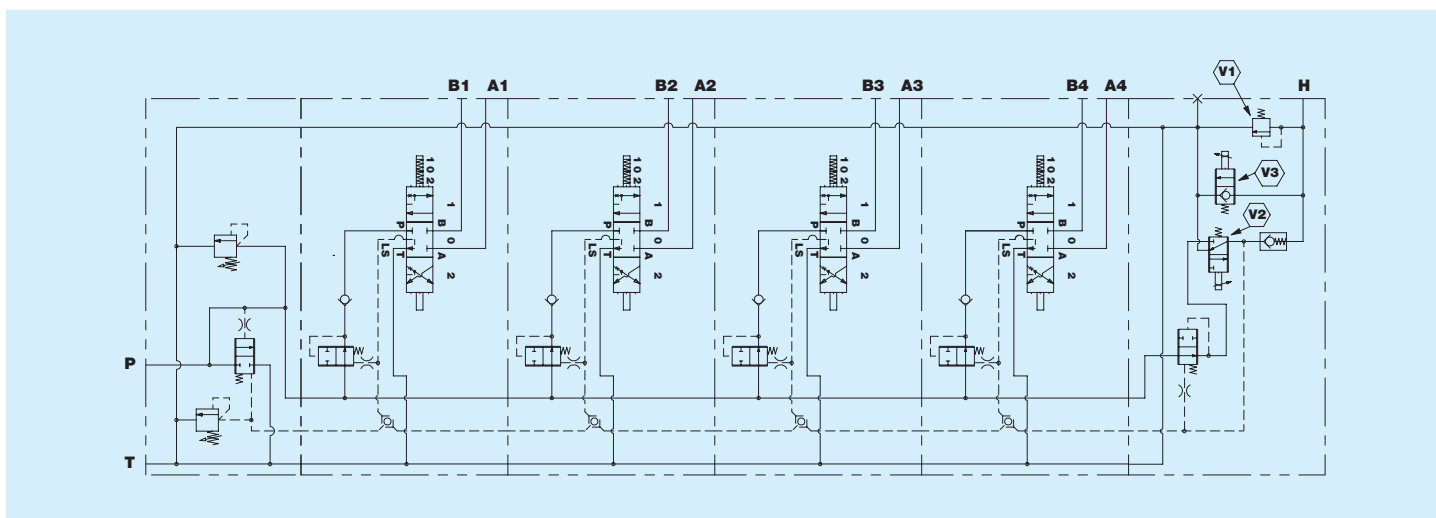
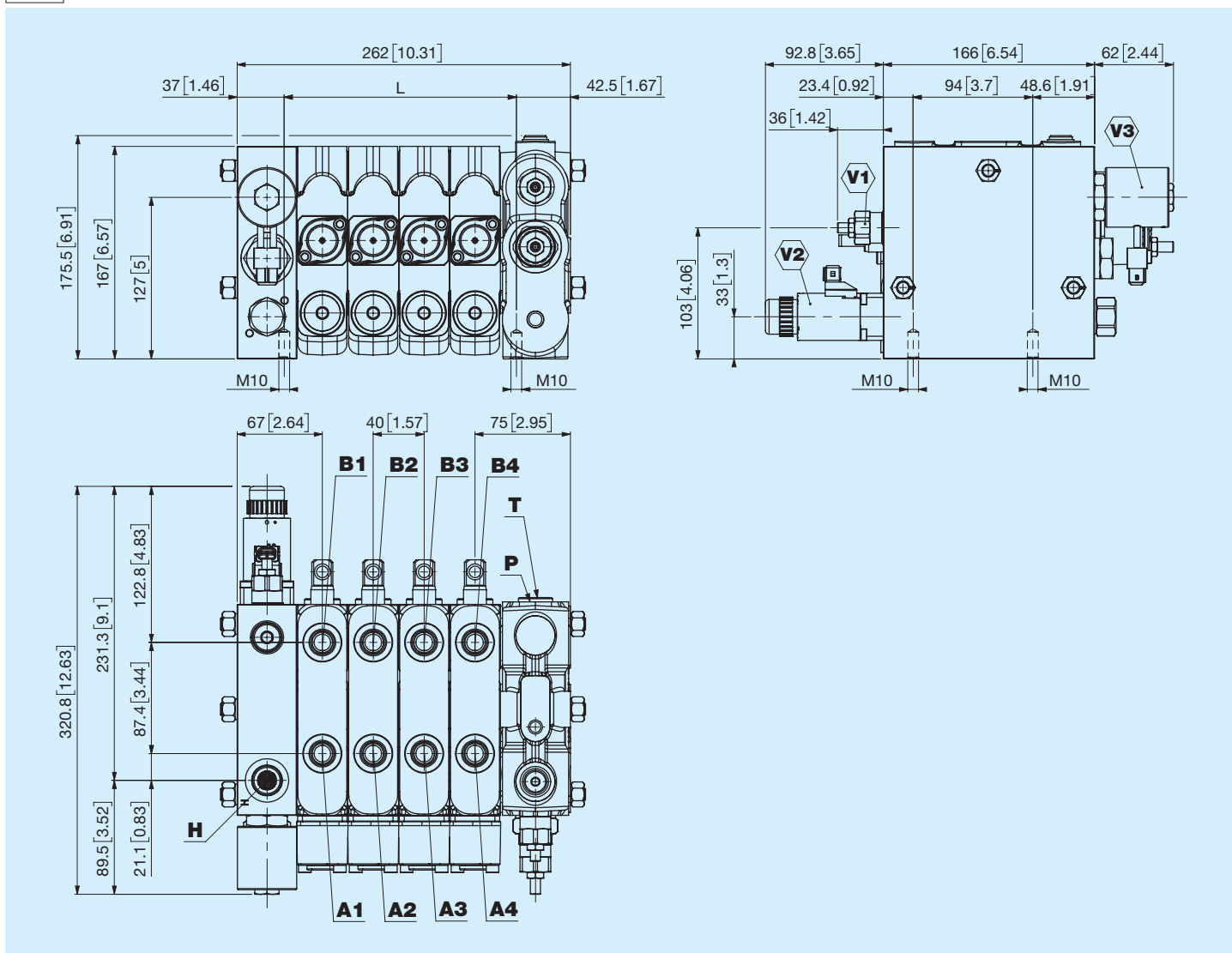


Leva ergonomica

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



B Con Hitch-control valve



Caratteristiche elettriche valvola V2

Tensione	6	V ($\pm 10\%$)
Resistenza a 20°C	1,63	$\Omega (\pm 7\%)$
Corrente minima	1200	mA ($\pm 5\%$)
Corrente massima	3700	mA ($\pm 5\%$)
PWM	100*	Hz

*Consigliata

Caratteristiche elettriche valvola V3

Tensione	6	V ($\pm 10\%$)
Resistenza a 20°C	1,8	$\Omega (\pm 7\%)$
Corrente minima	700	mA ($\pm 5\%$)
Corrente massima	2100	mA ($\pm 5\%$)
PWM	100*	Hz

*Consigliata

Filettatura bocca H - Hitch control valve

Codice	Tipo	Serraggio $\pm 10\%$ Nm
0	Nessuna	
B	1/2" GAS ISO 1179	70
N	M22x1,5 ISO 9974	70
J	M22x1,5 ISO 6149	70
R	7/8" - 14 SAE ISO 11926	70

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
LSC90																
1	Numero di sezioni															
	1 1 Sezione				3 3 Sezioni				5 5 Sezioni							
	2 2 Sezioni				4 4 Sezioni				6 6 Sezioni							
2	Opzioni generali															
	N Nessuna				V Verniciatura nera				Z Zincatura							
3	Tipo di testata di entrata															
	A Centro aperto (pompa con portata fissa)				B Centro chiuso (pompa Load sensing)											
4	Filettatura bocca P															
	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			
5	Filettatura bocca T															
	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			
6	Filettatura bocca LS															
	N Nessuna				3 M14x1,5 ISO 9974				P 9/16" - 18 SAE ISO 11926							
	L 1/4" GAS ISO 1179				K M14x1,5 ISO 6149											
7	Filettatura bocca MP															
	N Nessuna				3 M14x1,5 ISO 9974				P 9/16" - 18 SAE ISO 11926							
	L 1/4" GAS ISO 1179				K M14x1,5 ISO 6149											
8	Filettatura bocca MT															
	L 1/4" GAS ISO 1179				3 M14x1,5 ISO 9974				K M14x1,5 ISO 6149				P 9/16" - 18 SAE ISO 11926			
9	Opzioni bocche MP - MT															
	A MP non lavorato, MT tappato				C MP e MT aperti				E MP aperto, MT tappato							
	B MP non lavorato, MT aperto				D MP e MT tappati											
10 11	Tipo valvola di massima pressione linea del P															
	00 Tappo sostitutivo VMP				15 150 bar				21 210 bar				27 270 bar			
	10 100 bar				16 160 bar				22 220 bar				28 280 bar			
	11 110 bar				17 170 bar				23 230 bar				29 290 bar			
	12 120 bar				18 180 bar				24 240 bar				30 300 bar			
	13 130 bar				19 190 bar				25 250 bar							
	14 140 bar				20 200 bar				26 260 bar							
12	Tipo di terminale valvola di massima pressione linea del P															
	G Grano				P Sigillata				N Nessuna							

Ripetere per ogni sezione del distributore

17	18	19	20	21	22	23	24	25	26	27	28	29	30

13	14

Tipo valvola di massima pressione linea LS

00 Tappo sostitutivo VMP	15 150 bar	21 210 bar	27 270 bar
10 100 bar	16 160 bar	22 220 bar	28 280 bar
11 110 bar	17 170 bar	23 230 bar	29 290 bar
12 120 bar	18 180 bar	24 240 bar	30 300 bar
13 130 bar	19 190 bar	25 250 bar	
14 140 bar	20 200 bar	26 260 bar	

15

Tipo di terminale valvola di massima pressione linea LS

G Grano	P Sigillata	N Nessuna
----------------	--------------------	------------------

16

Filettatura bocca A e B

B 1/2" GAS ISO 1179	N M22x1,5 ISO 9974	J M22x1,5 ISO 6149	R 7/8" - 14 SAE ISO 11926
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17

Opzioni elemento

N Nessuna	A Con regolatore di flusso
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18

Azionamenti

C Senza portaleva, appendice piatta	L Kit portaleva	T Cavo lato azionamento
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19	20

Circuiti

01 Circuito	03 Circuito	70 Circuito
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21

Opzioni spole

A Spola standard	B Spola nichelata
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22	23

Posizionatori

0A Posizione neutra in 0	PT Detent in 1, 0, 2, 4	...
0D Detent in 0, 1, 2	CP Posizione neutra in 0, detent in 2, 4	...
		Per la scelta, vedi capitolo dedicato

24	25

Pressione di taratura opzione Kick-out

NN Nessuna	14 140 bar	17 170 bar	20 200 bar
12 120 bar	15 150 bar	18 180 bar	
13 130 bar	16 160 bar	19 190 bar	

26

Opzione dispositivo zero trafila

N Nessuno	A Zero trafila bocca A	B Zero trafila bocca B
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27

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	

28



Piastra di chiusura

A Standard

B Con Hitch-control valve

29



Filettatura bocca H

O Nessuna

N M22x1,5 ISO 9974

R 7/8" - 14 SAE ISO 11926

B 1/2" GAS ISO 1179

J M22x1,5 ISO 6149

30



Tensione e connettore opzione Hitch control valve

N Nessuno

Q 6V AMP JUNIOR