



BREVINI®

Motion Systems

CENTRALINA POWER PACK

MH

ITA-ENG

Le centrali della serie MH sono l'ampliamento della gamma delle centrali MC verso potenze superiori. Anche questo progetto ricalca l'idea di modularità delle centrali più piccole dove parte del circuito è ricavato nel blocco flangia dove viene montata la pompa.

DATI TECNICI

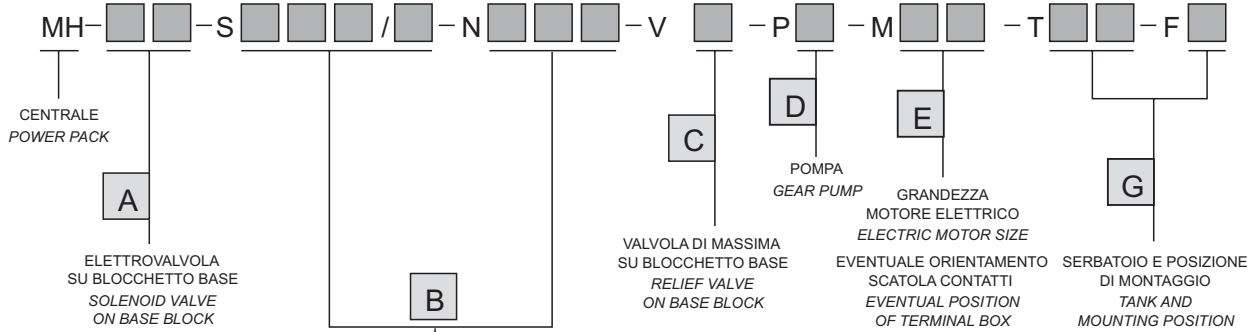
- Cilindrata : 4-25 cm³ /giro
- Pressione d'esercizio: vedi tabella pompe
- Serbatoi: 35-225 litri (capacità nominale)
- Motori in C.A.: 2,2-9 kW (monofase e trifase)

MH power packs enlarge the MC power packs range towards higher powers. Even this design follows the smaller power packs concept of modularity where part of the hydraulic circuit is inside the flange manifold where pump is fitted.

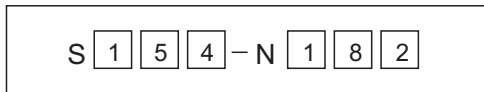
TECHNICAL PERFORMANCES

- Displacement: 4-25 cm³ /rev
- Working pressure: see pumps table
- Tanks: 35-225 litres (nominal capacity)
- A.C. Motors: 2,2-9 kW (monophase and threephase)

CODICE DI ORDINAZIONE
ORDERING CODE



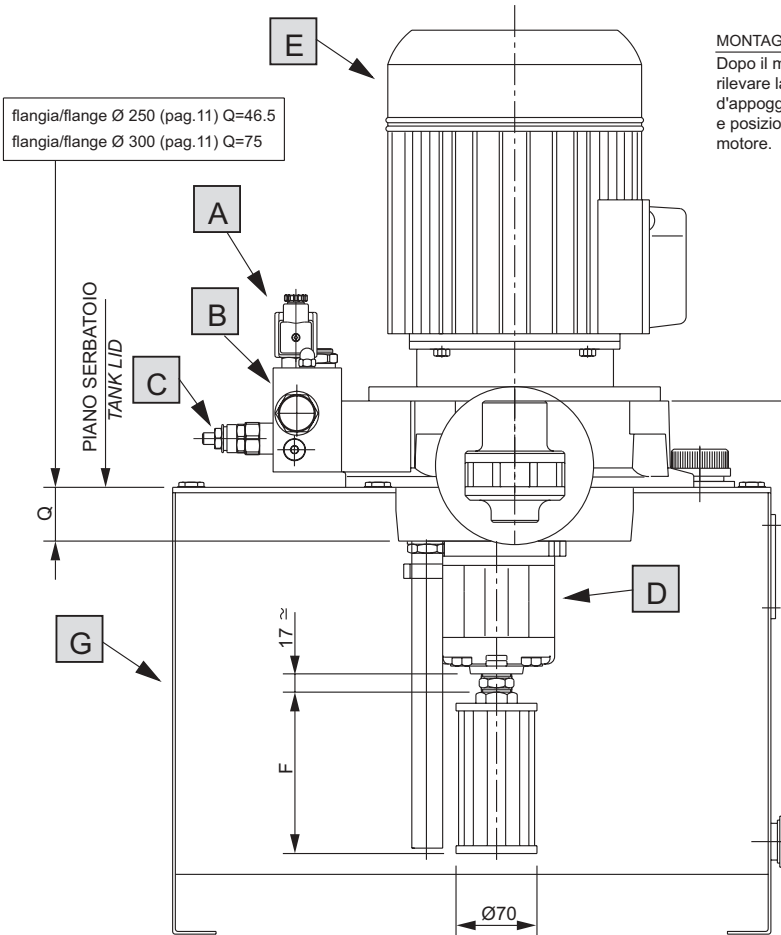
ESEMPIO BLOCCO BASE /EXAMPLE OF BASE BLOCK



EVENTUALI BLOCCHI AGGIUNTIVI / OTHER EVENTUAL BLOCKS

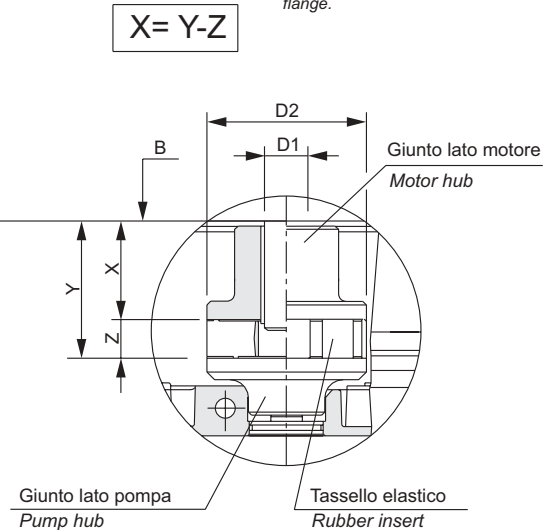
Codice e descrizione dei blocchi - Code and description of the blocks
Esempio / Example 1/A - 1/A - 2/C

Per completare lo sviluppo del circuito idraulico consultare "Raccolta circuiti oleodinamici".
To complete the Hydraulic circuit look at "Hydraulic circuits list".



MONTAGGIO DEL GIUNTO DI TRASMISSIONE
Dopo il montaggio del semigiunto lato pompa, rilevare la quota Y dal piano flangia B (piano d'appoggio flangia motore), sottrarre la quota Z per la posizione a tale quota (X) il semigiunto lato motore.

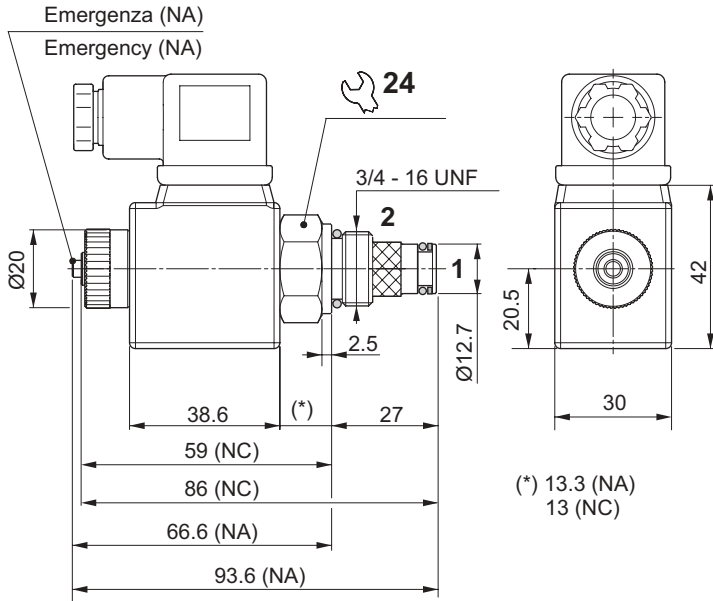
MOUNTING THE DRIVE COUPLING
After mounting the pump hub, measure the distance Y from the face of the pump hub to the top of the flange. Subtract dimension Z for the relevant coupling size, and position the motor hub taking care to maintain dimension X from the face of the motor hub to the top of the flange.



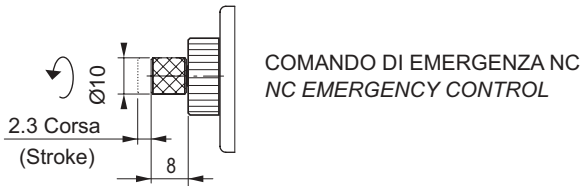
GIUNTO / COUPLING

CODICE KIT KIT CODE	PER MOTORE / FOR MOTOR			D1 (mm)	D2 (mm)	Z (mm)	X (mm)
	Size	Poles	kW				
10200133	100/112	2	3 / 4 / 5.5	28	86	23	23
		4	2.2 / 3 / 4 / 5.5				
		6	1.5 / 2.2				
10200134	132	2	5.5 / 7.5 / 9	38	86	23	23
		4	5.5 / 7.5 / 9				
		6	3 / 4 / 5.5				

F= 93 mm. per filtri portata 30 L/min.
F= 145 mm. per filtri portata 50 L/min.
F= 93 mm. for filter 30 L/min. flow
F= 145 mm. for filter 50 L/min. flow



Portata nominale <i>Nominal flow</i>	40 l/min
Per cavità <i>For cavity</i>	CD018006
Bobina <i>Coil</i>	C30
Classe di isolamento fili <i>Insulation class wire</i>	H
Grado di protezione <i>Type of protection</i>	IP65



CODICE ORDINAZIONE
ORDERING CODE

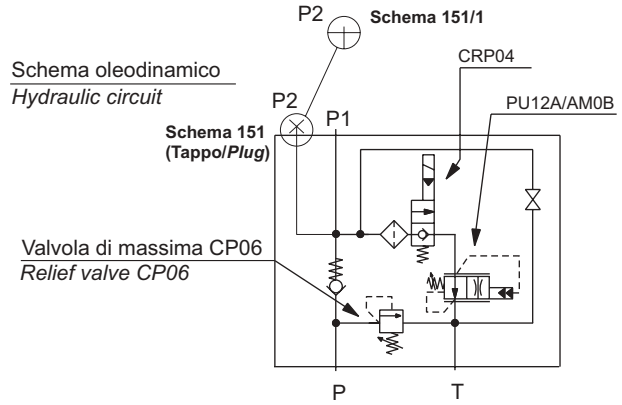
1

	Tensione Nominale di alimentazione <i>Nominal Voltage of main tension</i>	SIMBOLO <i>SYMBOL</i>
A	12V DC	
B	24V DC	
C	24V AC 50 Hz	
D	110V AC 50 Hz	
E	220V AC 50 Hz	
F	12V DC	
G	24V DC	
L	24V AC 50/60 Hz	
M	110V AC 50/60 Hz	
N	220V AC 50/60 Hz	
P	12V DC	
Q	24V DC	
R	24V AC 50 Hz	
S	110V AC 50 Hz	
T	220V AC 50 Hz	

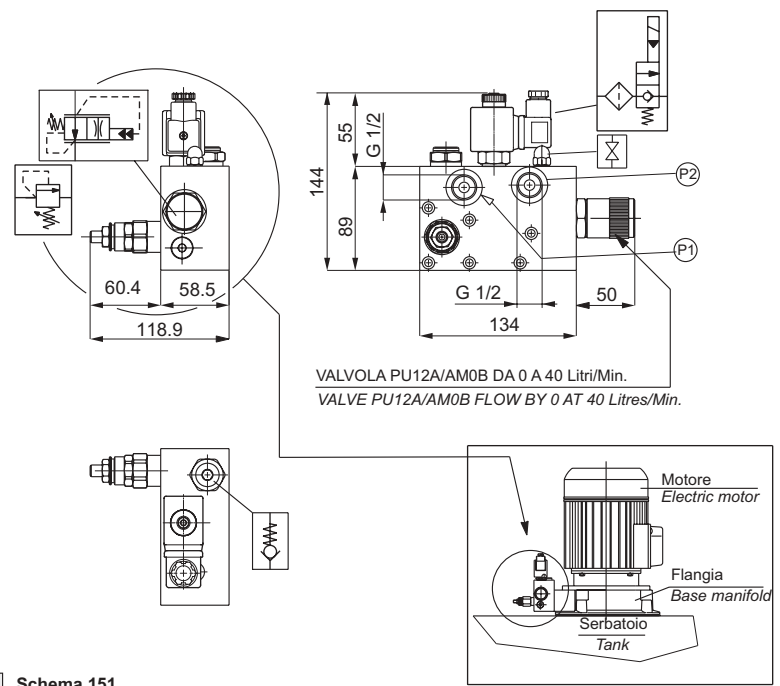
Per ulteriori informazioni vedere il catalogo:
Valvole a cartuccia/Valvole in Linea codice DOC00043
*For more information see catalogue:
Cartridge valves/In-line valves code DOC00044*

BASE MANIFOLD

B



Nota: valvola elettrica CRP04
Note: solenoid valve CRP04

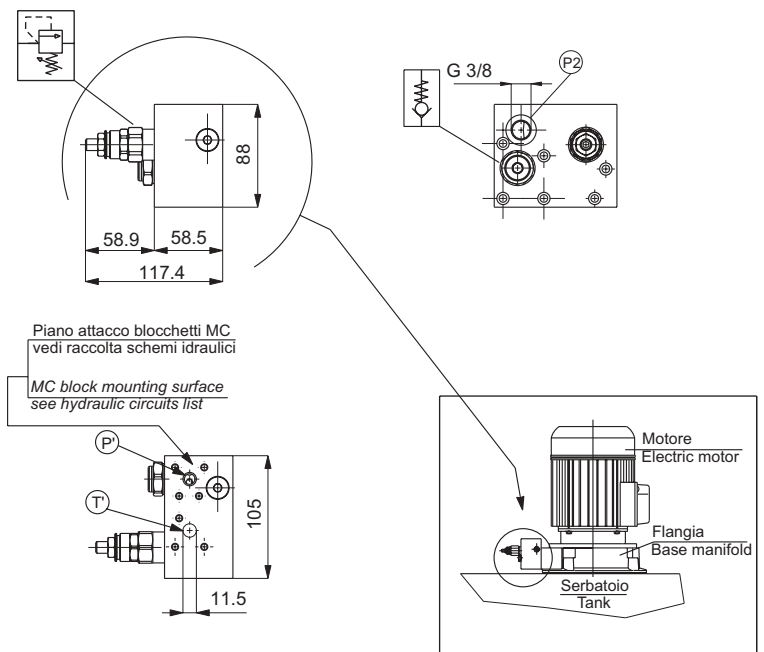
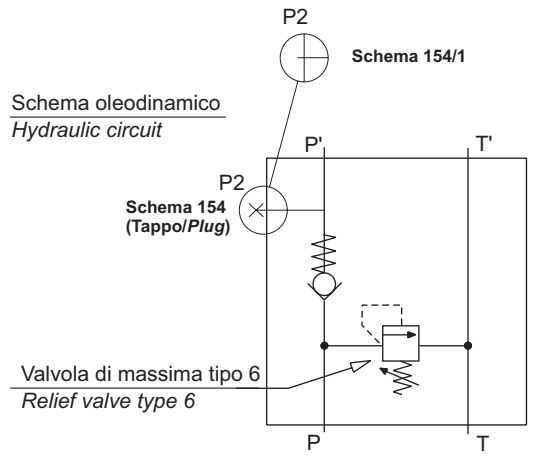


Codice ordinazione
Ordering code

S 1 5 1 - N 7 6 7 Schema 151 (Tappo in P2 / Plug on P2)

S 1 5 1 / 1 - N 7 6 7 Schema 151/1 (attacco ausiliario su P2 / auxiliary connection on P2)

BASE PER BLOCCHETTI MC MANIFOLD FOR MC BLOCK



Codice ordinazione
Ordering code

S 1 5 4 - N 7 6 9 Schema 154 (Tappo in P2 / Plug on P2)

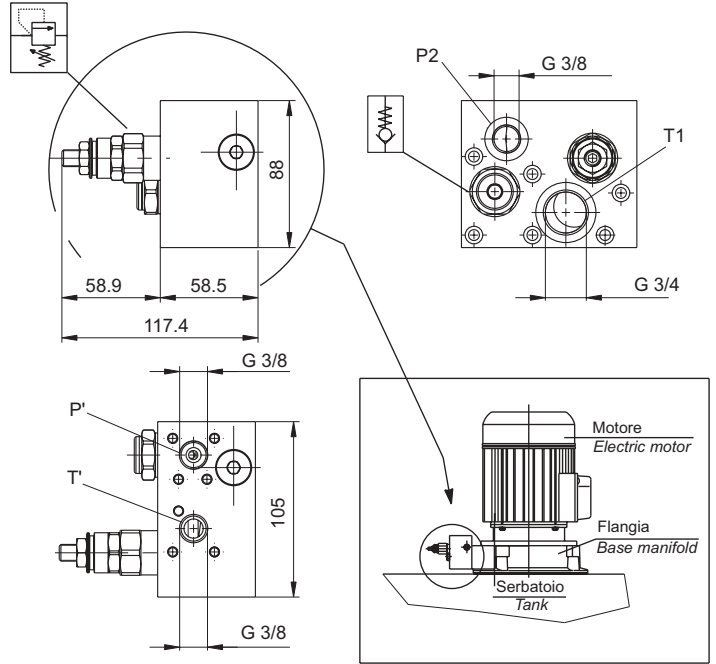
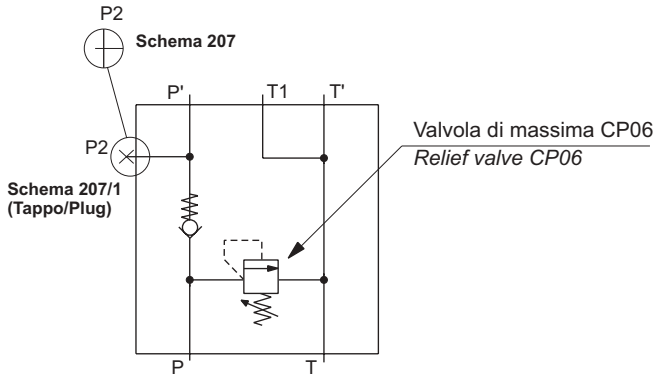
S 1 5 4 / 1 - N 7 6 9 Schema 154/1 (attacco ausiliario su P2 / auxiliary connection on P2)

BASE CON ATTACCHI P'-T' G 3/8

MANIFOLD WITH PORTS P'-T' G3/8

B

Schema oleodinamico
Hydraulic circuit



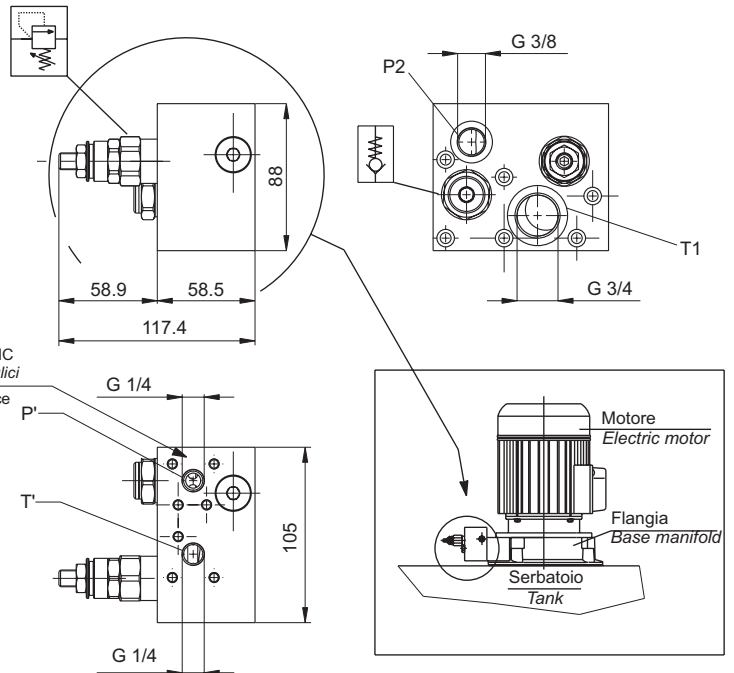
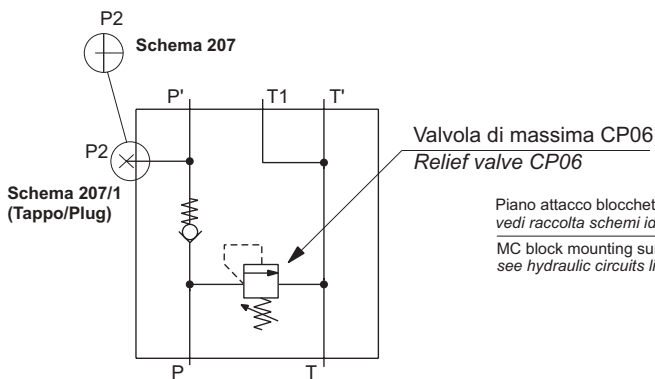
Codice ordinazione
Ordering code

S 2 0 7 - N 7 7 1 Schema 207 (attacco ausiliario su P2 / auxiliary connection on P2)
S 2 0 7 / 1 - N 7 7 1 Schema 207/1 (Tappo in P2 / Plug on P2)

BASE PER BLOCCHETTI MC E ATTACCHI P'-T' G 1/4

MANIFOLD FOR MC BLOCK AND PORTS P'-T' G1/4

Schema oleodinamico
Hydraulic circuit



Codice ordinazione
Ordering code

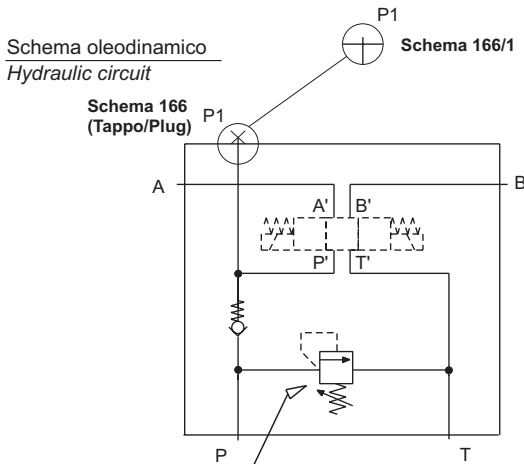
S 2 0 7 - N 7 7 0 Schema 207 (attacco ausiliario su P2 / auxiliary connection on P2)
S 2 0 7 / 1 - N 7 7 0 Schema 207/1 (Tappo in P2 / Plug on P2)

BASE PER VALVOLE CETOP 5

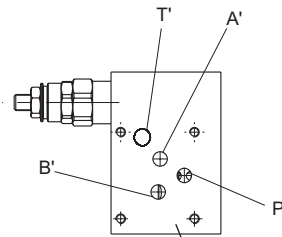
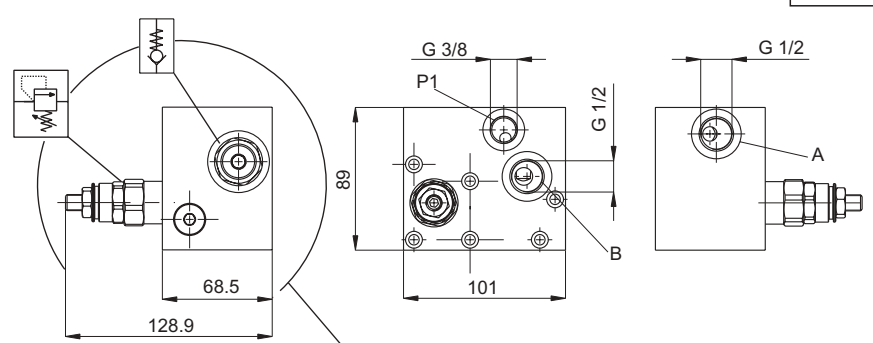
MANIFOLD FOR CETOP 5 VALVES

B

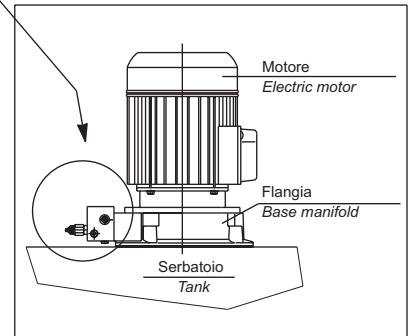
Schema oleodinamico
Hydraulic circuit



Valvola di massima CP06
Relief valve CP06



Piano attacco per valvole CETOP 5
Mounting interface CETOP 5



Codice ordinazione
Ordering code

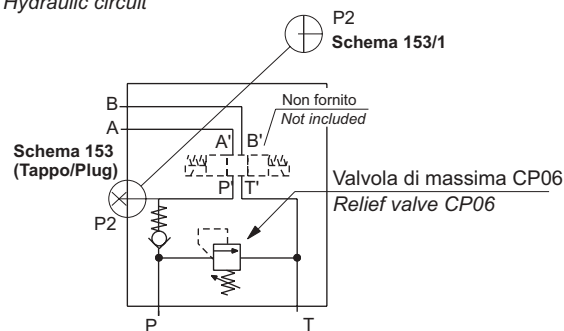
S 1 6 6 - N 7 7 2 Schema 166
(Tappo in P1 / Plug on P1)

S 1 6 6 / 1 - N 7 7 2 Schema 166/1
(attacco ausiliario su P1 / auxiliary connection on P1)

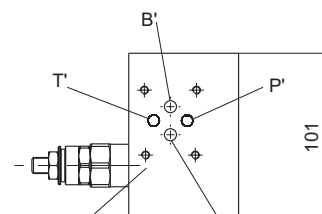
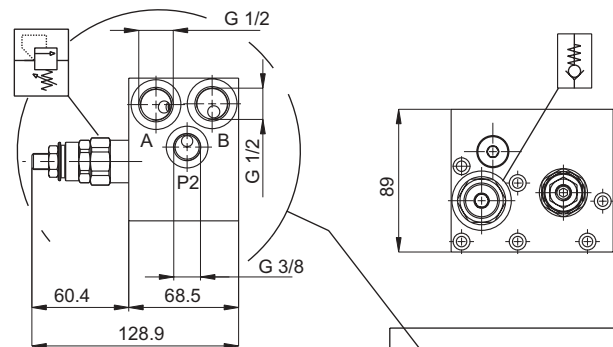
BASE PER VALVOLE CETOP 3

MANIFOLD FOR CETOP 3 VALVES

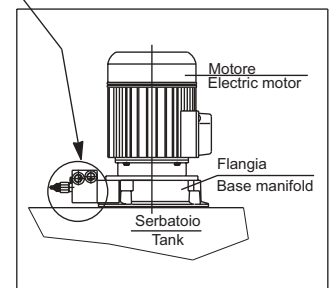
Schema oleodinamico
Hydraulic circuit



Valvola di massima CP06
Relief valve CP06



Piano attacco per valvole CETOP 3
Mounting interface CETOP 3



Codice ordinazione
Ordering code

S 1 5 3 - N 7 7 3 Schema 153
(Tappo in P2 / Plug on P2)

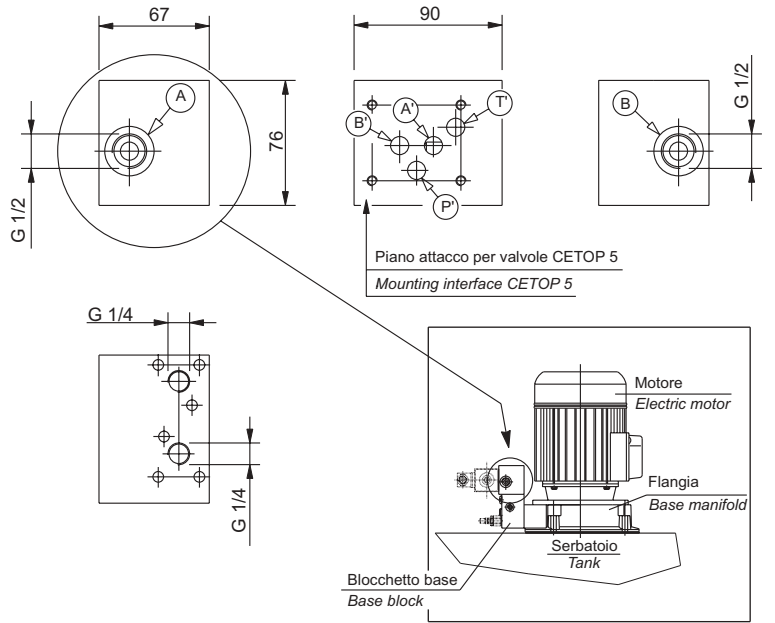
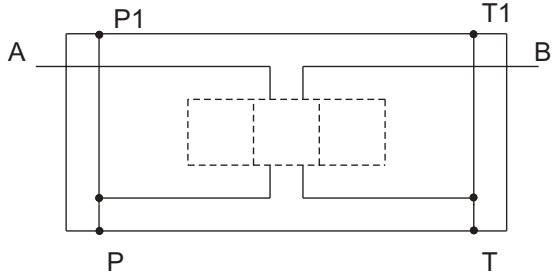
S 1 5 3 / 1 - N 7 7 3 Schema 153/1
(attacco ausiliario su P2 / auxiliary connection on P2)

BLOCCHETTO MODULARE

STACKABLE

B

Schema oleodinamico
Hydraulic circuit



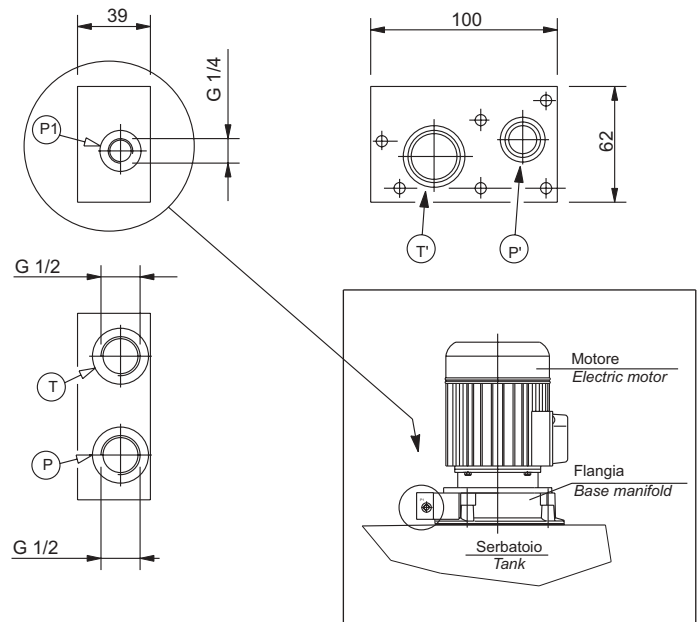
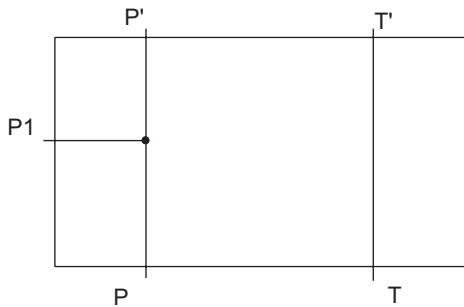
Codice ordinazione
Ordering code

S 0 0 1 - N 1 6 3

BASE

MANIFOLD

Schema oleodinamico
Hydraulic circuit

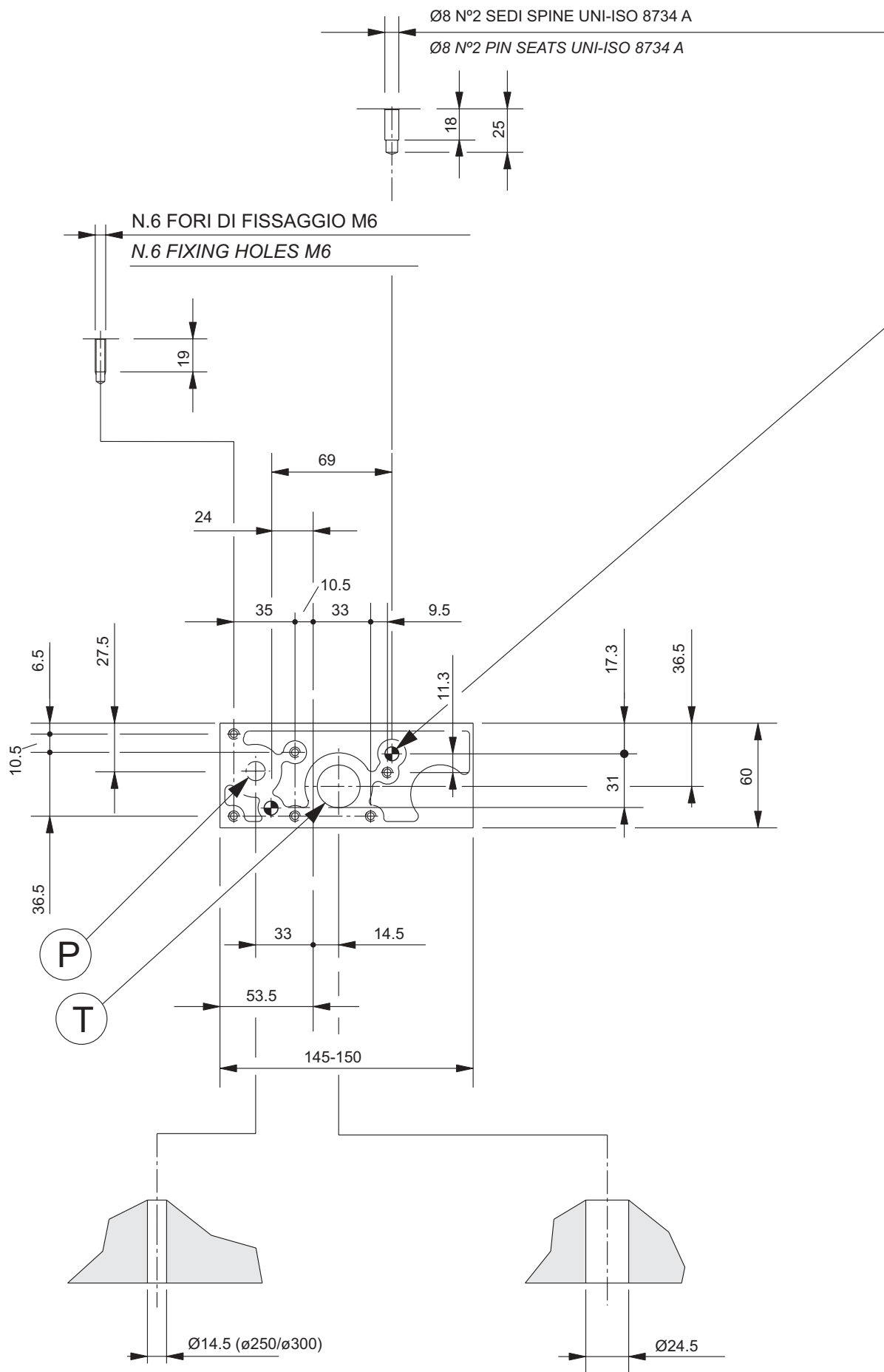


Codice ordinazione
Ordering code

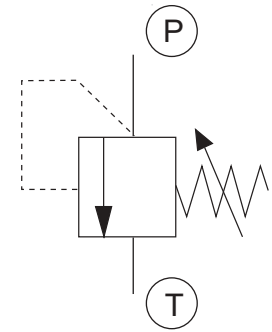
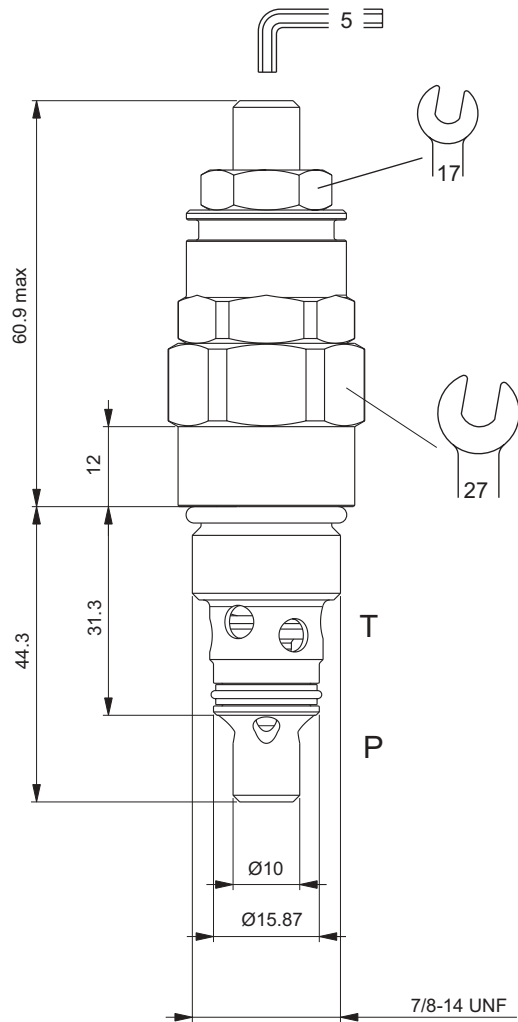
S 0 8 7 - N 2 2 2

DIMENSIONI ATTACCO BLOCCHETTI SU FLANGIA "MH"

BLOCK MOUNTING INTERFACE



PER CAVITA'
FOR CAVITY **CD019011**



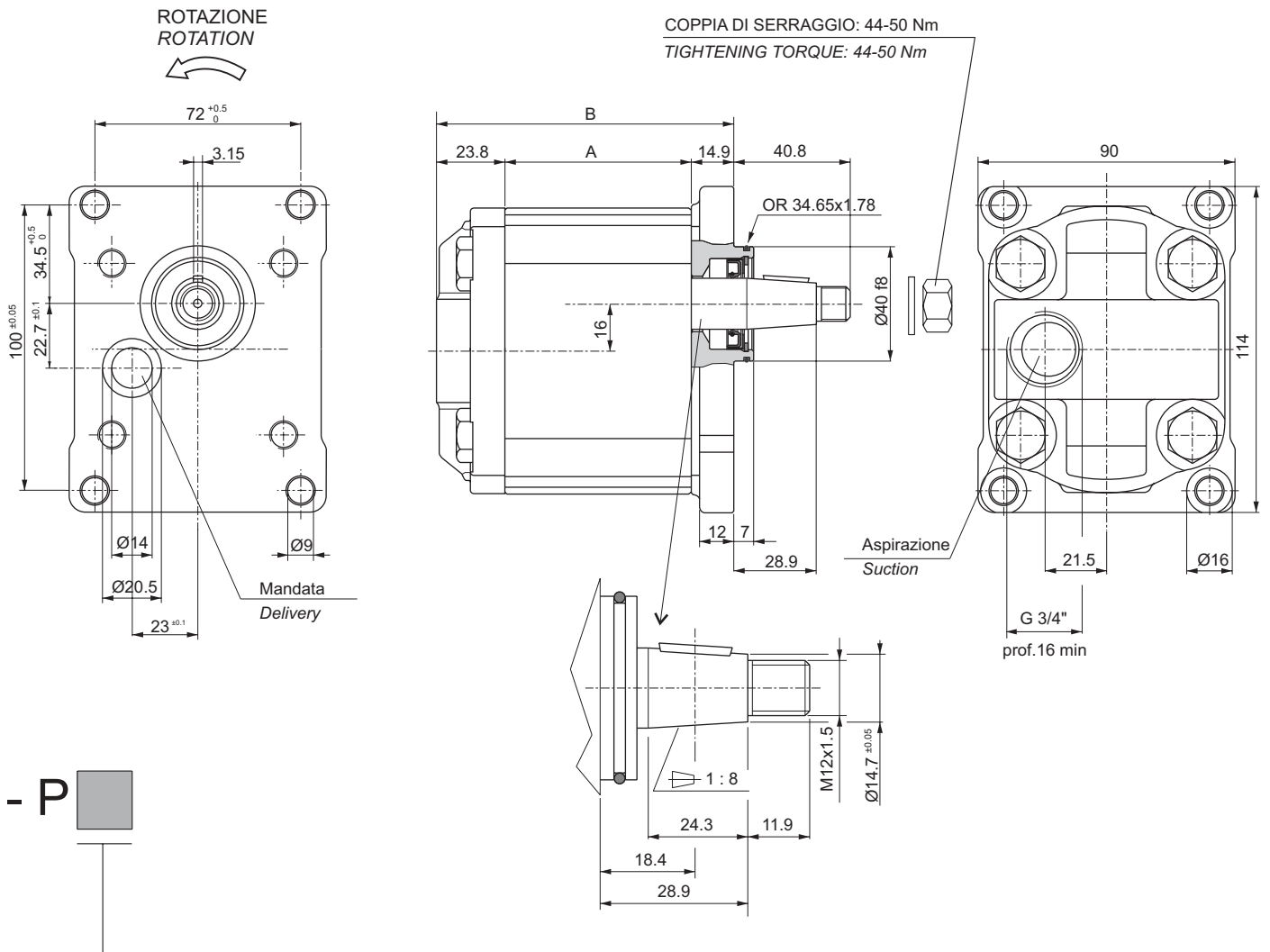
	Regolazione/Setting	Codice
D	max 15 bar	CP06C0001
E	max 50 bar	CP06C1001
F	max 170 bar	CP06C2001
G	70 ÷ 350 bar	CP06C3001

Per ulteriori informazioni vedere il catalogo:
Valvole a cartuccia/Valvole in Linea codice DOC00043
For more information see catalogue:
Cartridge valves/In-line valves code DOC00044

POMPE, DATI TECNICI E DIMENSIONI

PUMP PERFORMANCE AND DIMENSION

D



Codice di Ordinazione <i>Ordering Code</i>	Cilindrata Nominale <i>Nominal Displacement</i> (cc/rev)	Pressione Massima Continua <i>Max.continuous Pressure</i> (bar)	Pressione di Picco* <i>Overshoot Pressure*</i> (bar)	Rotazione Albero <i>Rotation</i>	Dimensioni <i>Dimensions</i>		Codice Kit <i>Kit code</i>
					A (mm)	B (mm)	
G	4.1	250	300	SINISTRA LEFT	48.0	85.8	KIT06009.018
H	6.2	250	300		51.0	90.8	KIT06009.019
I	8.2	250	300		54.0	93.8	KIT06009.020
L	11.2	250	300		58.3	98.1	KIT06009.021
M	14.0	240	300		62.3	102.1	KIT06009.022
N	16.0	240	300		65.2	105.0	KIT06009.023
O	20.0	200	240		71.0	110.8	KIT06009.024
P	22.5	170	210		82.7	122.5	KIT06009.025
Q	25.1	170	210		86.5	126.3	KIT06009.026

DATI TECNICI:

Fluido idraulico: normalmente impiegare un fluido idraulico a base minerale tipo HL, HLP (HM-ISO), HV secondo DIN 51524.

Pressione di aspirazione min 0,7 bar - max 3 bar
Temperatura del fluido min: -10°C - max 85°C
Viscosità minima: 10 cSt
Viscosità massima all'avviamento: 400 cSt
Livello di contaminazione: 19/16 ISO 4406

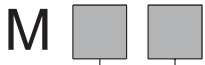
NOTE: * Per pressione di picco si intende il massimo valore di pressione di apertura della valvola di massima.

TECHNICAL DATA:

Type of fluid: mineral oil HL, HLP (HM-ISO), HV as DIN 51524.

Inlet pressure min 0.7 bar - max 3 bar
Oil temperature min: -10°C - max 85°C
Viscosity min: 10 cSt
Viscosity max.at the start: 400 cSt
Contamination level: 19/16 ISO 4406

NOTE: * The overshoot pressure is intended as the maximum pressure relief valve opening.

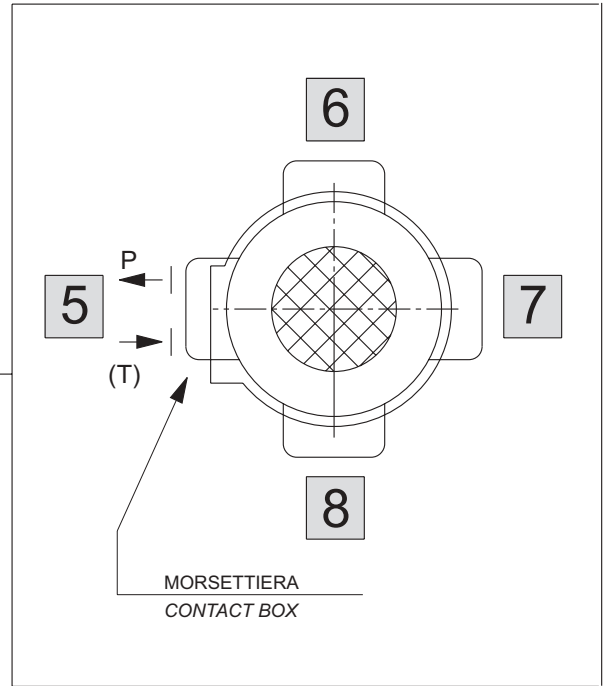


ORIENTAMENTO MORSETTERIA RISPETTO "P-T" *
 TERMINAL BOARD POSITION RESPECT TO "P-T"

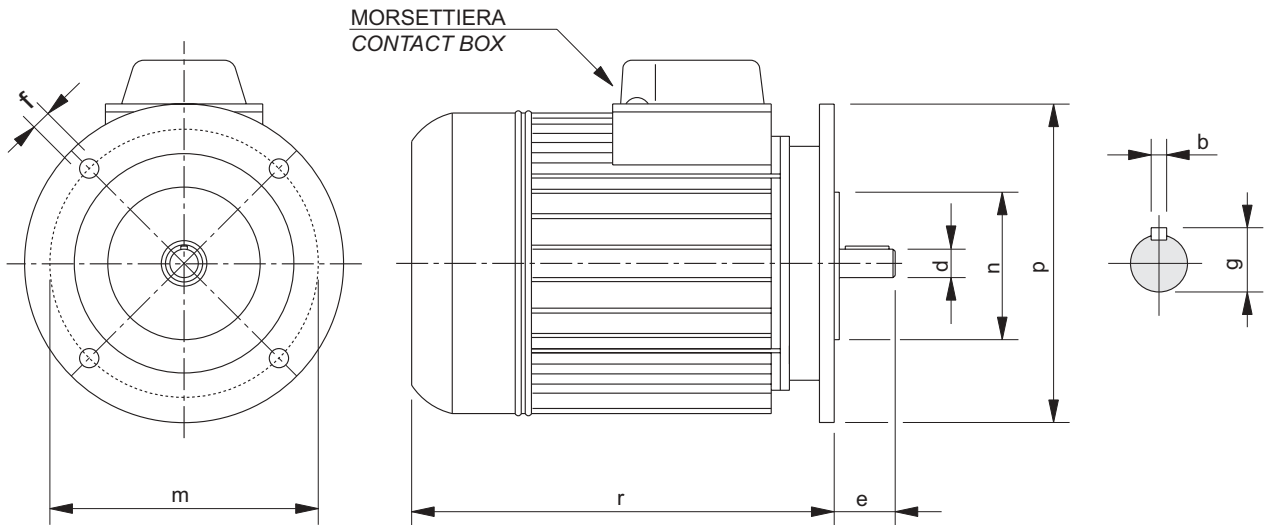
POSIZIONE DI MONTAGGIO
 OMETTERE IN CASO DI ORDINE SENZA MOTORE
 MOUNTING POSITION
 TO LEAVE OUT IN CASE OF ORDER WITHOUT MOTOR.

CON QUESTO CODICE SI IDENTIFICA
 LA DIMENSIONE DELLA FLANGIA MOTORE.

WITH THIS CODE WE IDENTIFY
 THE MOTOR FLANGE DIMENSION.



* Verificare contemporaneamente posizionamento "P-T" rispetto al serbatoio - pagina 12
 Check in the same time the "P-T" position respect to the tank (page 12)

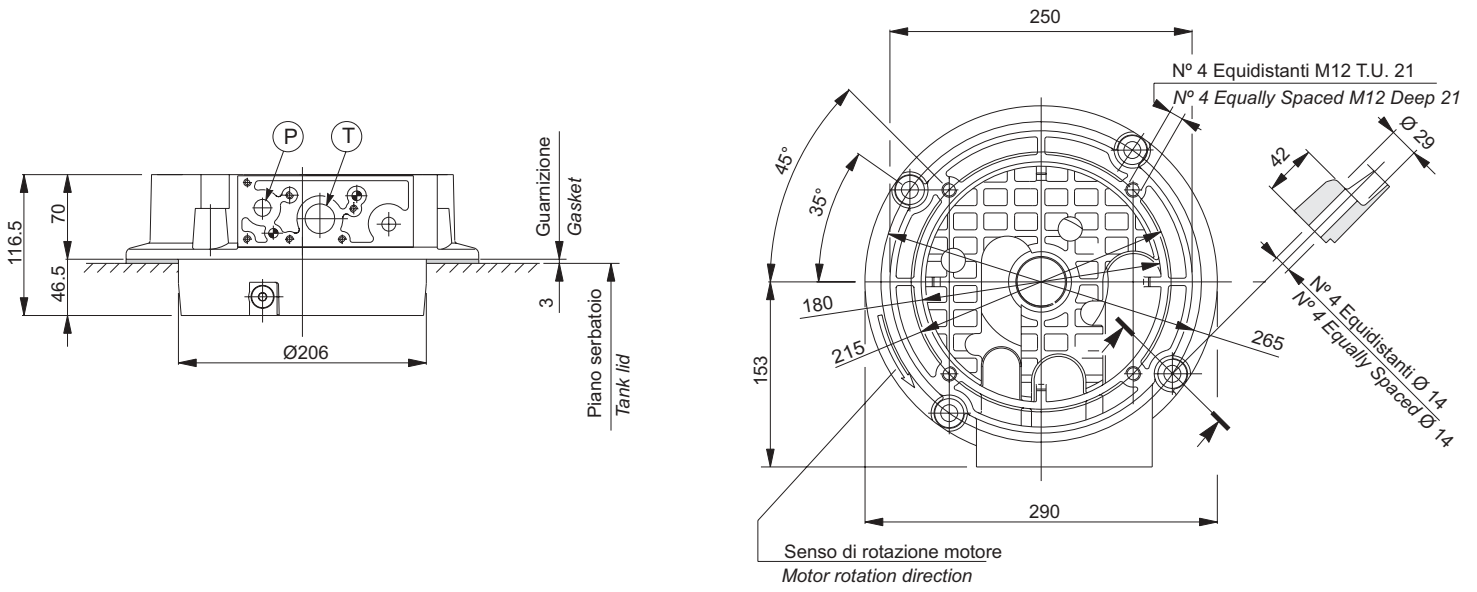


CODICE DI ORDINAZIONE ORDERING CODE	GRANDEZZA FRAME SIZE	N° POLI N.o. POLES	POTENZA(kW) POWER	b	d	e	f	g	m	n	p	r
A	100/112	2	3 / 4 / 5.5	8	28	60	14	31	215	180	250	301
		4	2.2 / 3 / 4 / 5.5									
		6	1.5 / 2.2									
B	132	2	5.5 / 7.5 / 9	10	38	80	14	41	265	230	300	416
		4	5.5 / 7.5 / 9									
		6	3 / 4 / 5.5									

Nell'ordine specificare numero di poli e potenza
 On the order specify N.o. poles and power

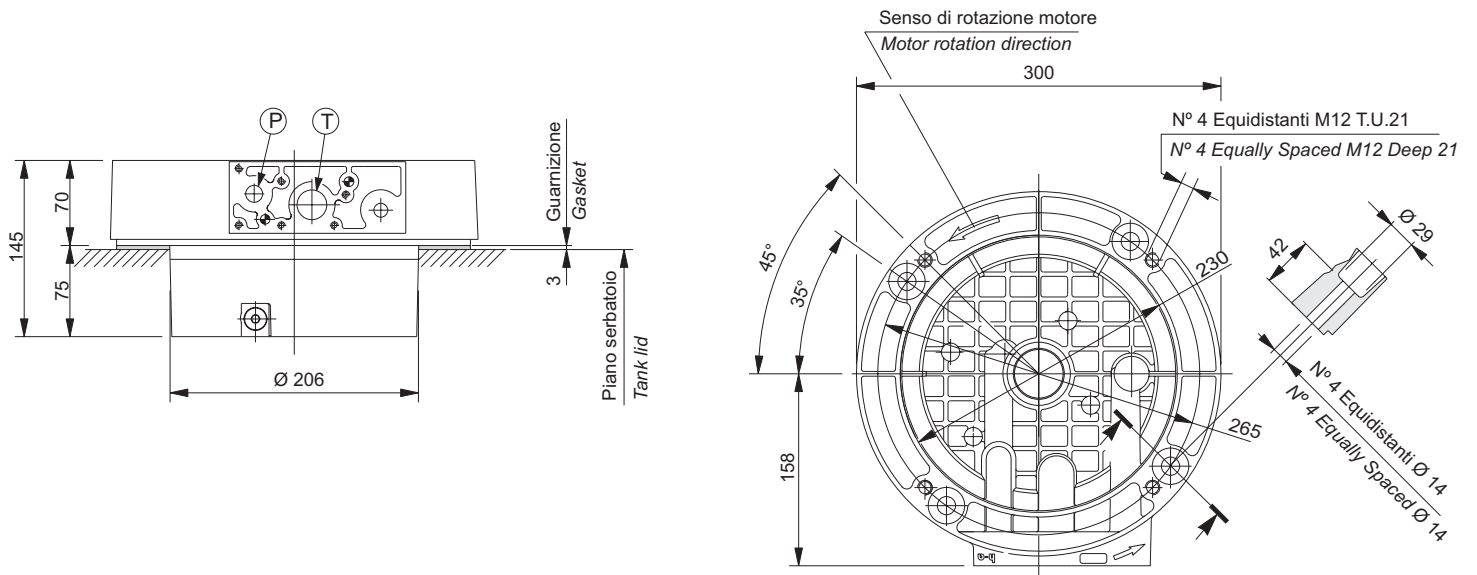
DIMENSIONI FLANGIA Ø 250

BASE MANIFOLD 250 DIAMETER



DIMENSIONI FLANGIA Ø 300

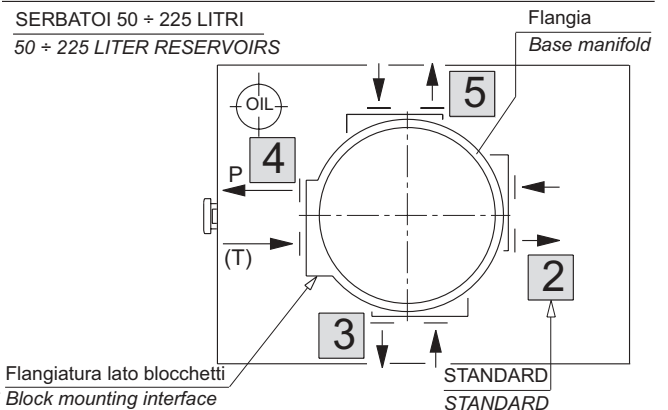
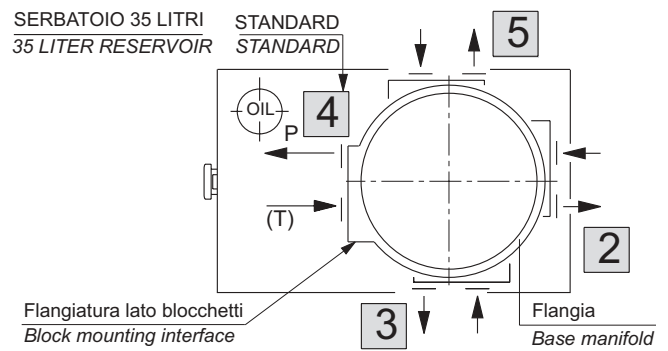
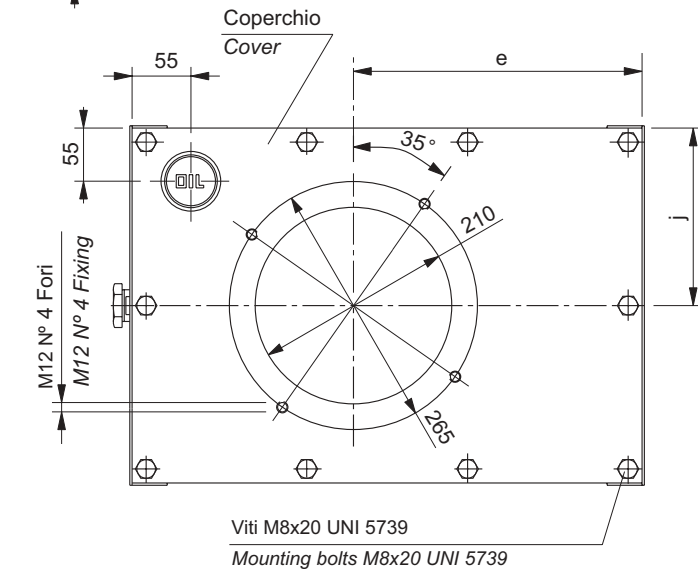
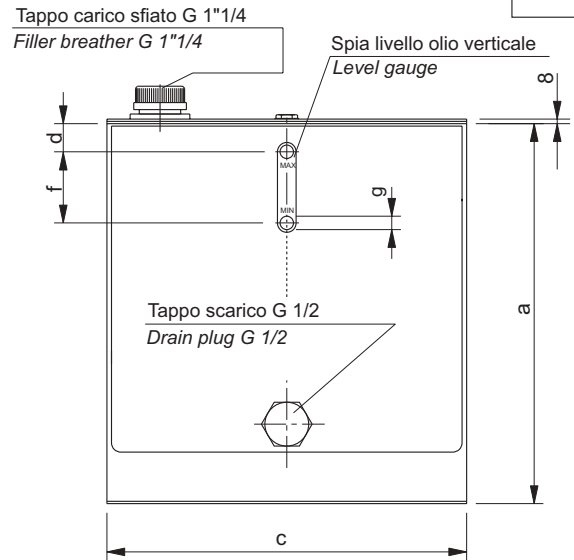
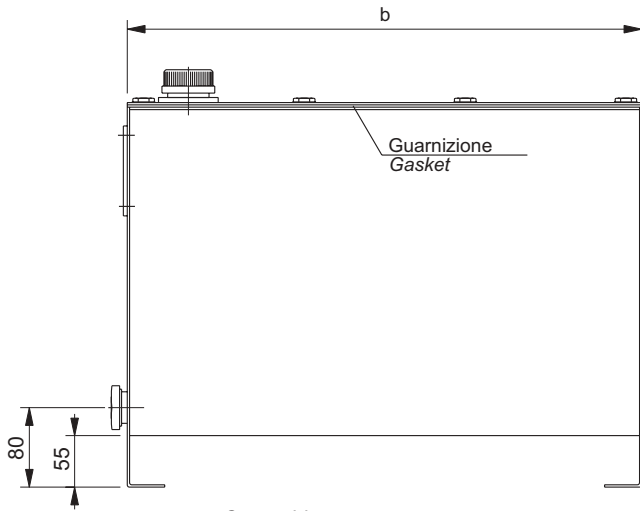
BASE MANIFOLD 300 DIAMETER



SERBATOI STANDARD

STANDARD TANKS

G



Senza serbatoio e senza kit tubi - Omettere
Without reservoirs and without hoses kits - To leave out

-T [] [] - F 0 []
Senza serbatoio
Without reservoirs

CAPACITA' LITRI NOMINAL CAPACITY LITRES	CODICE DI ORDINAZIONE ORDERING CODE	a	b	c	d	e	f	g	j	
35	A	400	470	300	30	160	76	M10	147.5	<p>Senza serbatoio senza coperchio ma con kit tubi Without reservoirs and without covers, but with hoses kits</p> <p>Scegliere riferimento in base alla quota "a" del proprio serbatoio Choose the reference basing on "a" dimension of your tank</p> <p>Esempio: T D C kit tubi per serbatoio lt 75 Example: T D C hoses kit for lt 75 tank</p>
50	B	420	500	400	30	275	76	M10	197.5	
60	C	445	550	400	30	295	76	M10	197.5	
75	D	530	550	400	50	295	76	M10	197.5	
100	E	530	700	400	50	445	127	M12	197.5	
150	F	620	750	500	80	492	127	M12	241.5	
225	G	650	900	600	100	645	127	M12	220	



Dana Motion Systems Italia S.r.l. - Fluid Power Division
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Sede legale: Via Luciano Brevini 1/A, 42124 Reggio Emilia - Italy - Tel: +39.0522.9281 - Fax: +39.0522.928300
www.dana.com/brevini - dana.re@dana.com

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