CENTRALINA *POWER PACK* MH

ITA-ING

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.

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.

DATI TECNICI
Cilindrata : 4-25 cm³ /giro
Pressione d'esercizio: vedi tabella pompe
Serbatoi: 35-225 litri (capacità nominale)
Motori in C.A.: 2,2-22 kW (monofase e trifase)

TECHNICAL PERFORMANCES
Displacement: 4-25 cm³ /rev
Working pressure: see pumps table
Tanks: 35-225 litres (nominal capacity)
A.C. Motors: 2,2-22 kW (monophase and threephase)

CODICE DI ORDINAZIONE
ORDERING CODE

MH– □□ –S □□□ / □ – N □□□ – V □ – P □ – M □□ – T □□ – F □

- MH: CENTRALE *POWER PACK*
- □□: A – ELETTROVALVOLA SU BLOCCHETTO BASE *SOLENOID VALVE ON BASE BLOCK*
- □□□: B – SCELTA DEI BLOCCHETTI *BLOCKS SELECTION*
- □□□: N – SCELTA DEI BLOCCHETTI *BLOCKS SELECTION*
- □: C – VALVOLA DI MASSIMA SU BLOCCHETTO BASE *RELIEF VALVE ON BASE BLOCK*
- □: V
- □: P – D – POMPA *GEAR PUMP*
- □□: M – E – GRANDEZZA MOTORE ELETTRICO *ELECTRIC MOTOR SIZE*
- □□: T – EVENTUALE ORIENTAMENTO SCATOLA CONTATTI *EVENTUAL POSITION OF TERMINAL BOX*
- □: F – G – SERBATOIO E POSIZIONE DI MONTAGGIO *TANK AND MOUNTING POSITION*

ESEMPIO BLOCCO BASE */EXAMPLE OF BASE BLOCK*

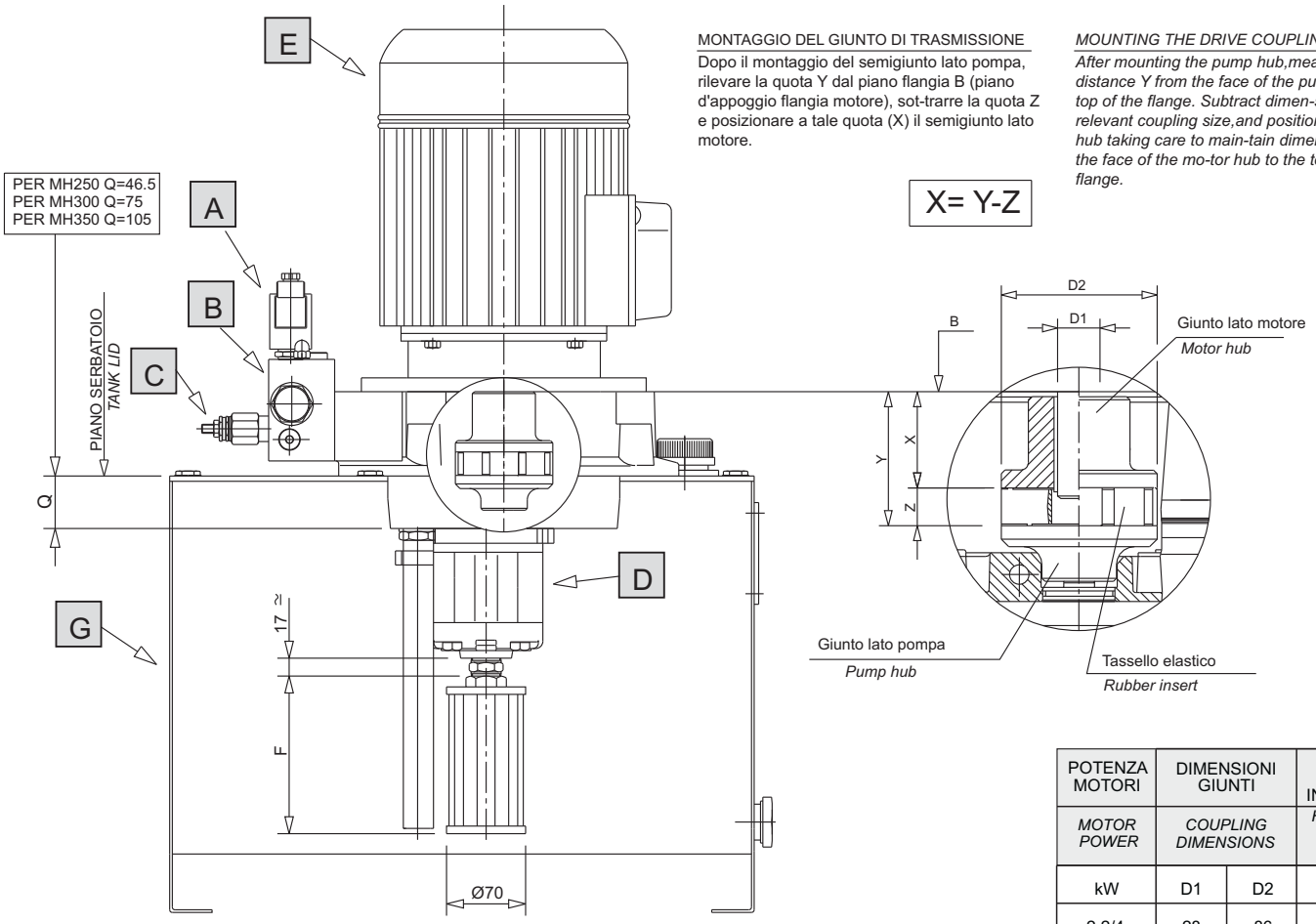
S 1 5 4 – N 1 8 2

EVENTUALI BLOCCHI AGGIUNTIVI / *OTHER EVENUTAL 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), sot-trarre la quota Z e posizionare 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 dimen-sion Z for the relevant coupling size,and position the motor hub taking care to main-tain dimension X from the face of the mo-tor hub to the top of the flange.

POTENZA MOTORI	DIMENSIONI GIUNTI		ALTEZZE INSERTI IN GOMMA
MOTOR POWER	*COUPLING DIMENSIONS*		*HEIGHT OF RUBBER INSERTS*
kW	D1	D2	Z
2.2/4	28	86	23
5.5/7.5	38	86	23
11/15	42	110	27
18.5/22	48	110	27

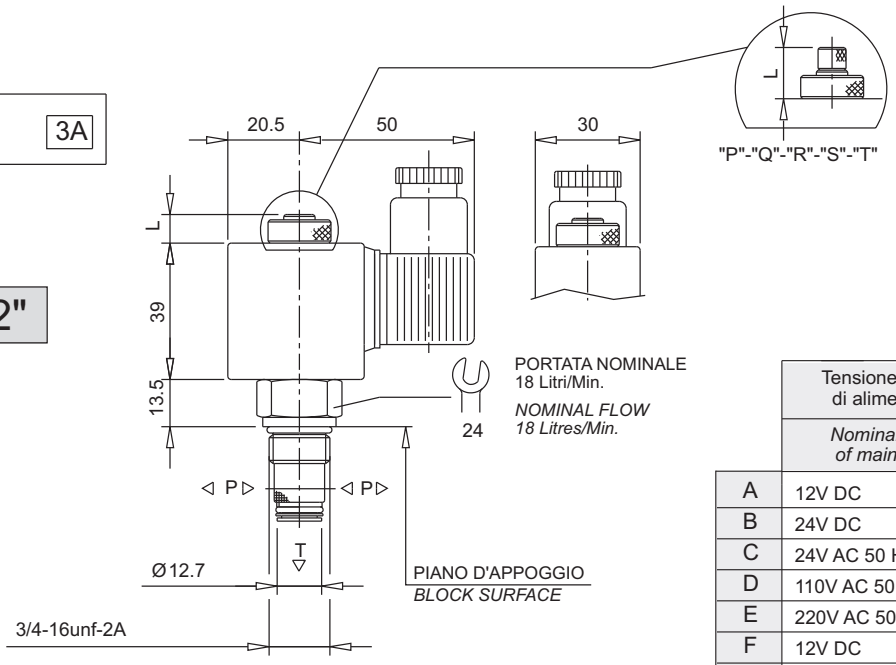
F= 93 mm. per filtri portata 30 L/min.
F= 145 mm. per filtri portata 50 L/min.
F= 93 mm. for filter 30 L/min. flow
F= 145 mm. for filter 50 L/min. flow

ELETTROVALVOLE EV22/EV40

SOLENOID VALVES EV22/EV40

A

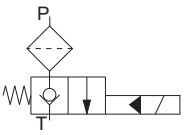
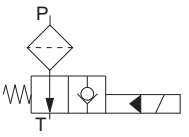
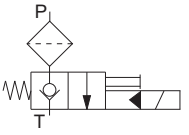
per cavità
for cavity 3A



"EV22"

BOBINA : ED 100%
COIL : ED 100%

PORTATA NOMINALE
18 Litri/Min.
NOMINAL FLOW
18 Litres/Min.

	Tensione Nominale di alimentazione *Nominal Voltage of main tension*	SIMBOLO *SYMBOL*	L
A	12V DC		7
B	24V DC		
C	24V AC 50 Hz		
D	110V AC 50 Hz		
E	220V AC 50 Hz		
F	12V DC		12
G	24V DC		
L	24V AC 50/60 Hz		
M	110V AC 50/60 Hz		
N	220V AC 50/60 Hz		
P	12V DC		15
Q	24V DC		
R	24V AC 50 Hz		
S	110V AC 50 Hz		
T	220V AC 50 Hz		

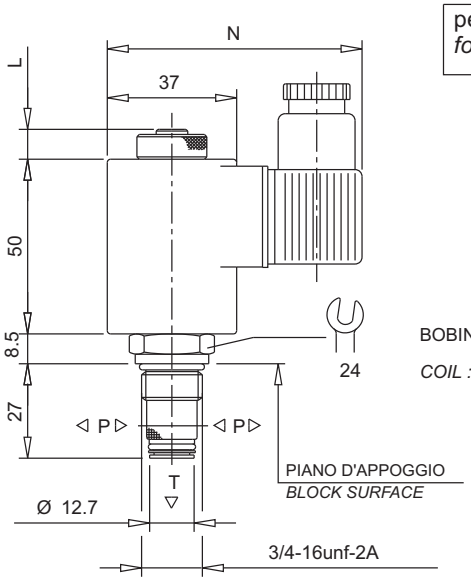
CODICE ORDINAZIONE
ORDERING CODE 1 ☐

CODICE ORDINAZIONE
ORDERING CODE 2 ☐

BOBINA: classe d'isolamento a norme VDE 0580
Protezione a norme DIN 40050
IP65 (con connettore montato)
Per ulteriori informazioni vedere catalogo valvole oleodinamiche

COIL: insulation class see norm VDE 0580
Protection degree see norm DIN 40050
IP65 (with connector mounted)
See hydraulic valves catalogue for more information

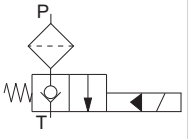
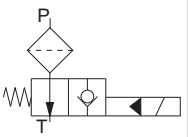
per cavità
for cavity 3A



"EV40"

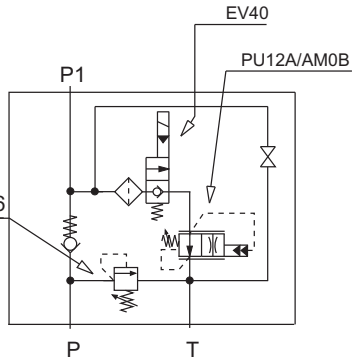
BOBINA : ED 100%
COIL : ED 100%

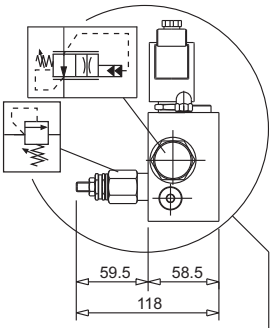
PORTATA NOMINALE
37 Litri/Min.
NOMINAL FLOW
37 Litres/Min.

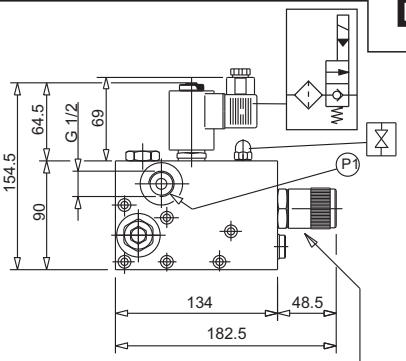
	Tensione Nominale di alimentazione *Nominal Voltage of main tension*	SIMBOLO *SYMBOL*	N	L
A	12V DC		72.5	6.5
B	24V DC		72.5	
C	24V AC 50/60 Hz		80	
D	110V AC 50/60 Hz		80	
E	220V AC 50/60 Hz		80	
F	12V DC		85	12
G	24V DC		85	
L	24V AC 50/60 Hz		80	
M	110V AC 50/60 Hz		80	
N	220V AC 50/60 Hz		80	

BLOCCHETTO BASE
BASE BLOCK

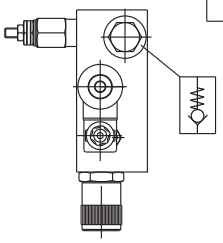
Schema oleodinamico
Hydraulic circuit

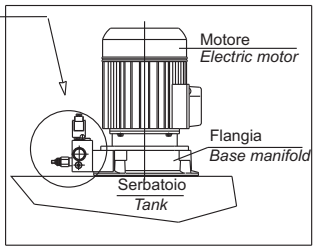






VALVOLA PU12A/AM0B DA 0 A 40 Litri/Min.
VALVE PU12A/AM0B FLOW BY 0 AT 40 Litres/Min.





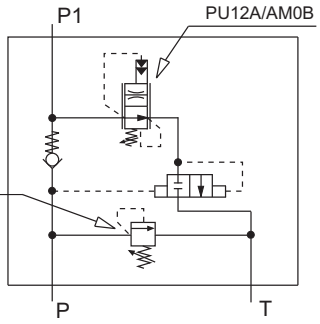
Codice ordinazione
Ordering code

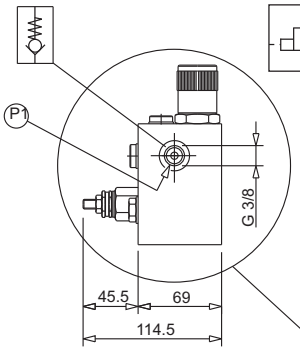
S 1 5 1 – N 1 7 8

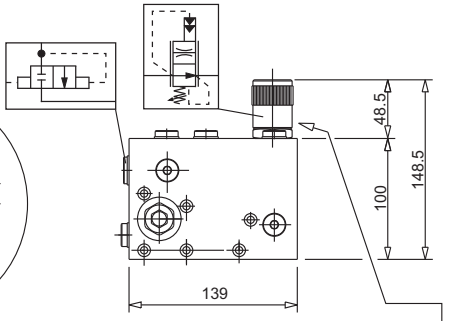
Nota: valvola elettrica EV40 tipo 2
Note: solenoid valve EV40 type 2

BLOCCHETTO BASE
BASE BLOCK

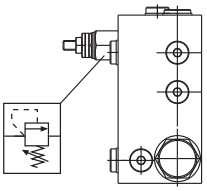
Schema oleodinamico
Hydraulic circuit

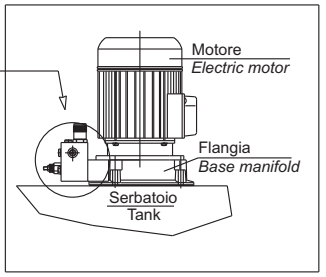






VALVOLA PU12A/AM0B DA 0 A 40 Litri/Min.
VALVE PU12A/AM0B FLOW BY 0 AT 40 Litres/Min.



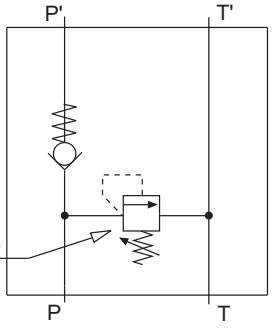


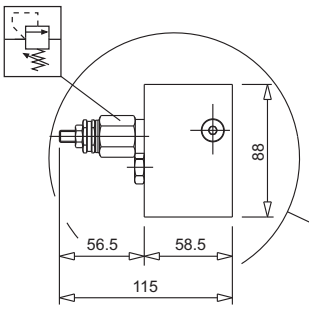
Codice ordinazione
Ordering code

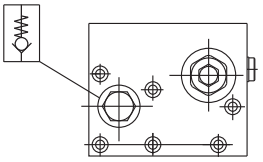
S 1 5 5 – N 1 8 3

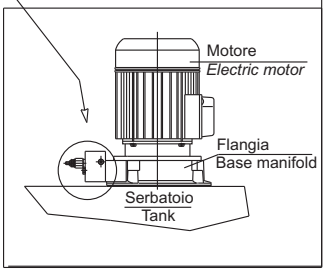
BLOCCHETTO BASE
BASE BLOCK

Schema oleodinamico
Hydraulic circuit







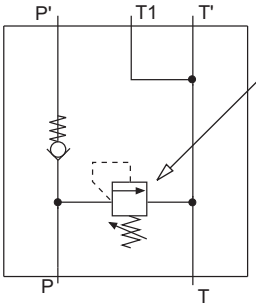


Codice ordinazione
Ordering code

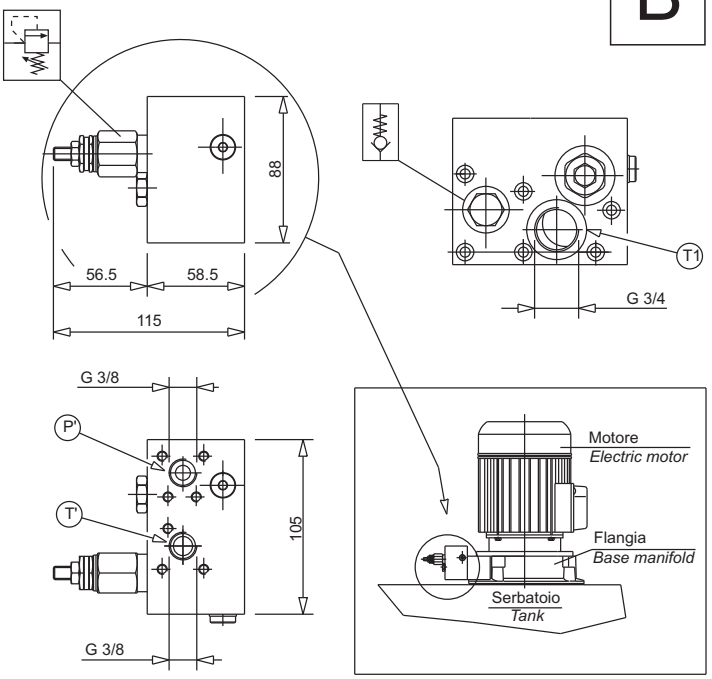
S 1 5 4 – N 1 8 2

BLOCCHETTO BASE
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



Valvola di massima tipo 6
Relief valve type 6

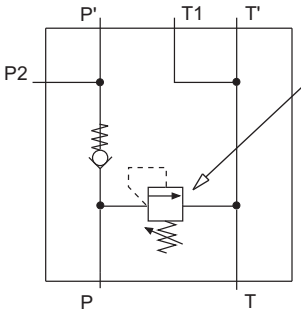


Codice ordinazione
Ordering code

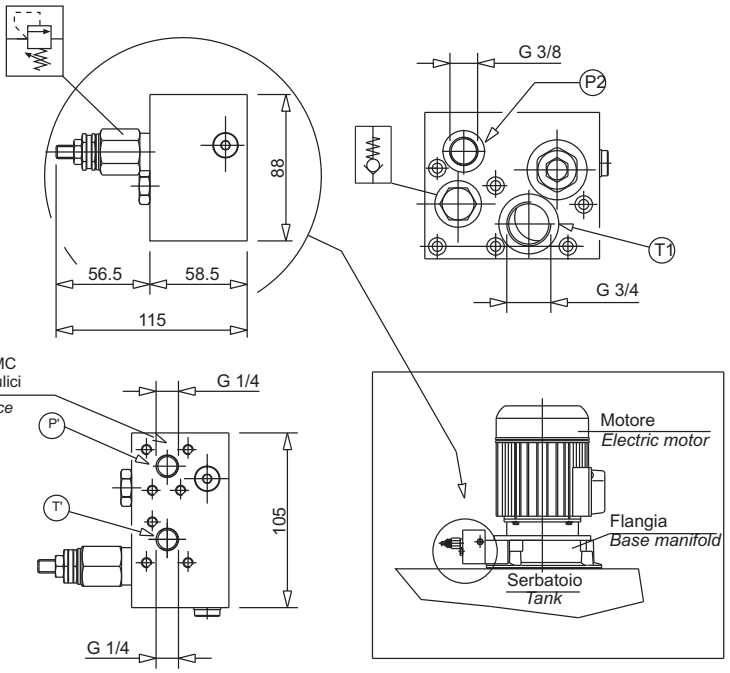
S 2 0 7 / 1 – N 2 5 9

BLOCCHETTO BASE
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



Valvola di massima tipo 6
Relief valve type 6

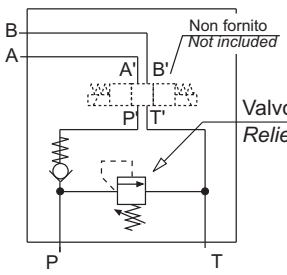


Codice ordinazione
Ordering code

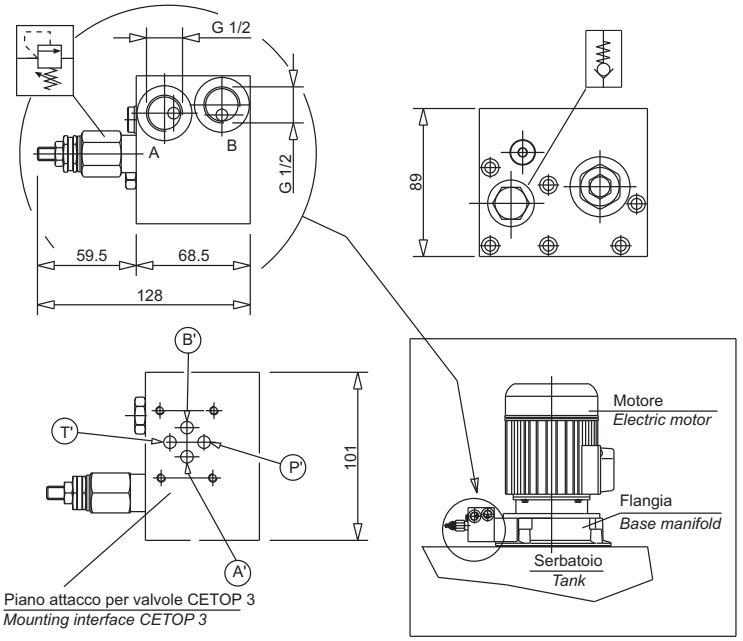
S 2 0 7 – N 3 0 2

BLOCCHETTO BASE
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



Valvola di massima tipo 6
Relief valve type 6



Piano attacco per valvole CETOP 3
Mounting interface CETOP 3

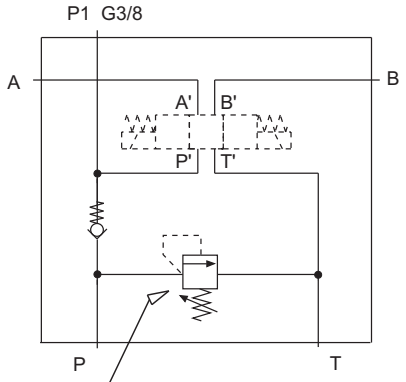
Codice ordinazione
Ordering code

S 1 5 3 – N 1 9 5

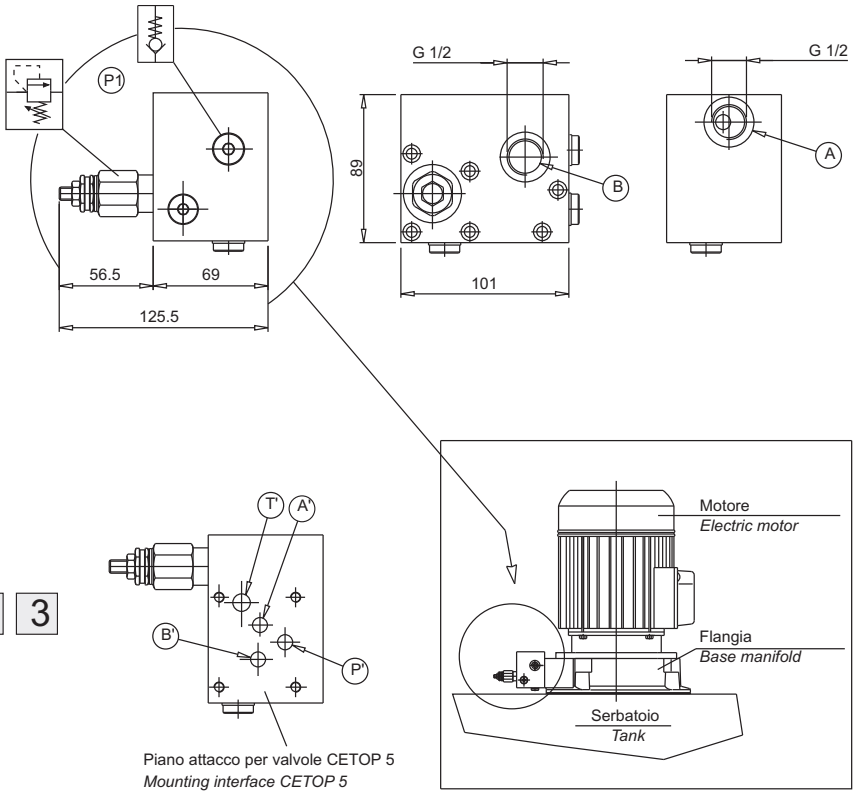
BLOCCHETTO BASE
BASE BLOCK

B

Schema oleodinamico
Hydraulic circuit



Valvola di massima tipo 6
Relief valve type 6

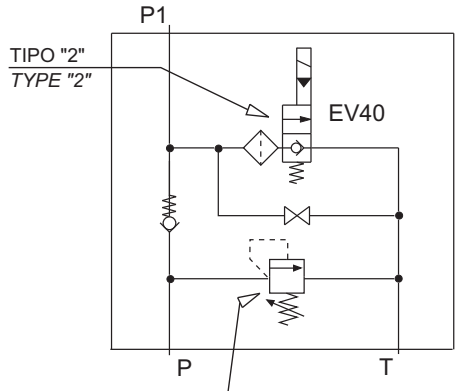


Codice ordinazione
Ordering code

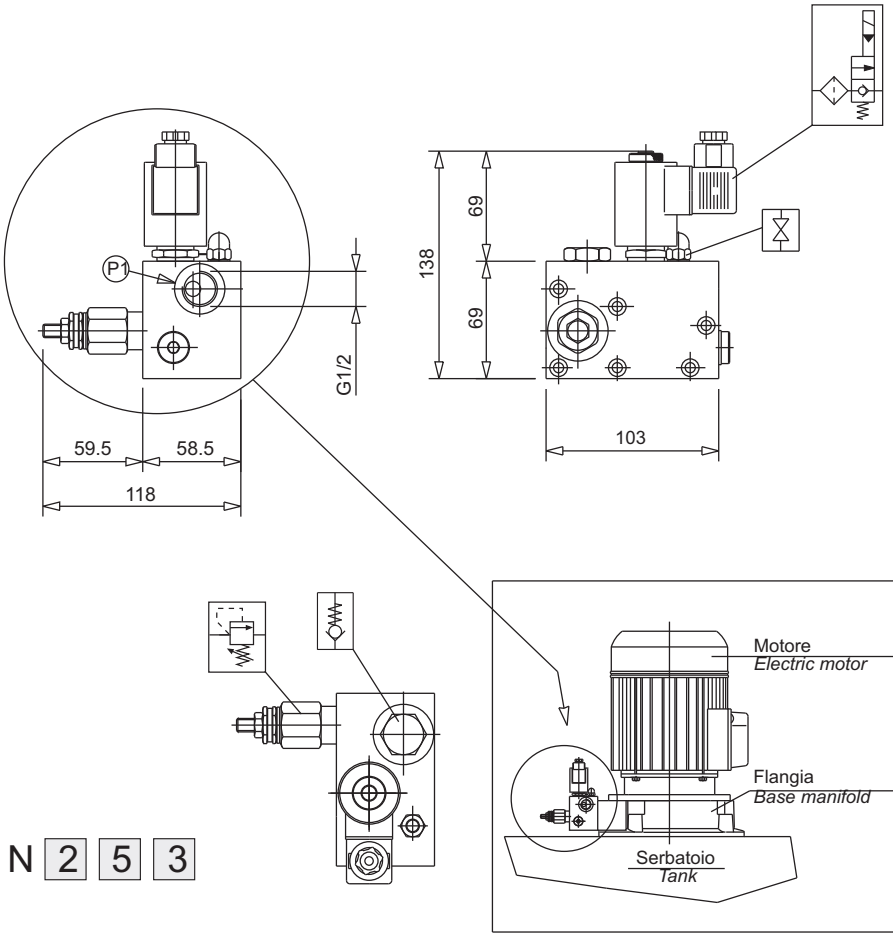
S 1 6 6 – N 3 1 3

BLOCCHETTO BASE
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



Valvola di massima tipo 6
Relief valve type 6



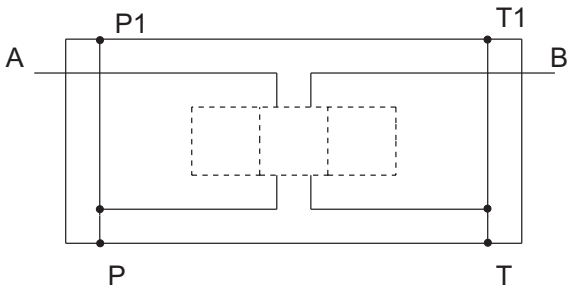
Codice ordinazione
Ordering code

S 2 0 3 / 4 – N 2 5 3

BLOCCHETTO MODULARE

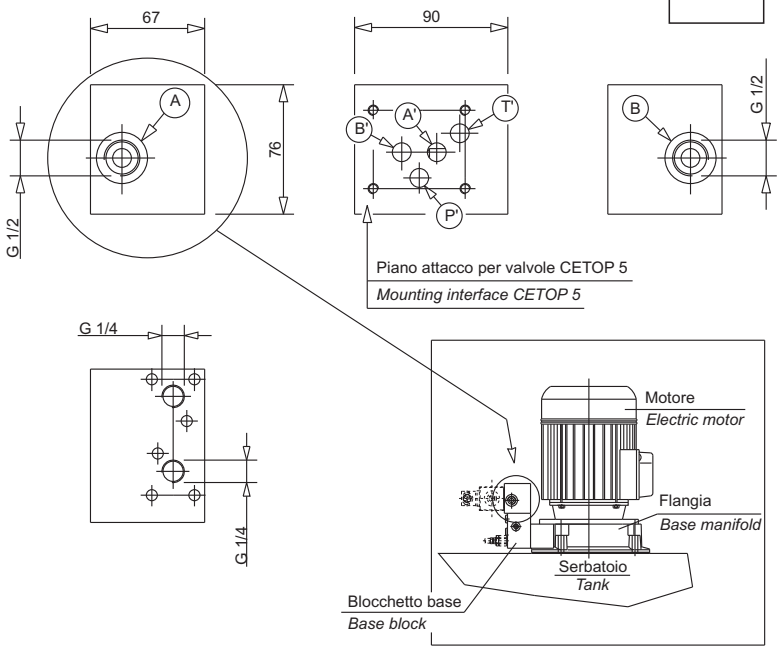
STACKABLE

Schema oleodinamico
Hydraulic circuit



Codice ordinazione
Ordering code

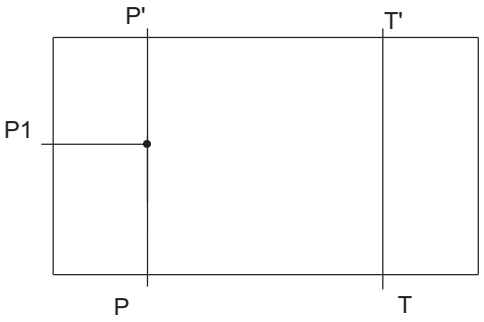
S 0 0 1 – N 1 6 3



BLOCCHETTO BASE

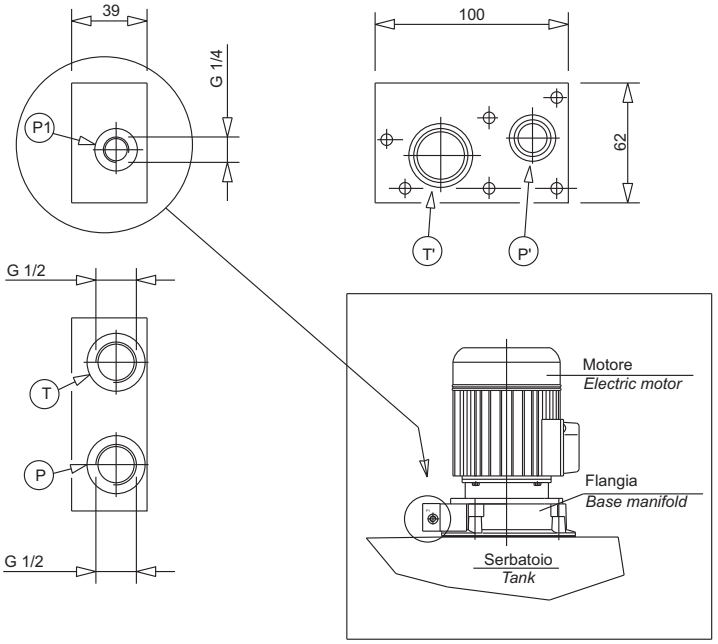
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



Codice ordinazione
Ordering code

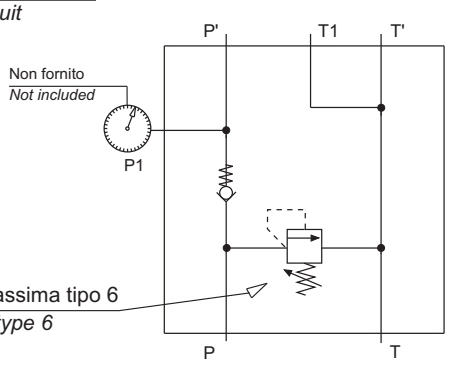
S 0 8 7 – N 2 2 2



BLOCCHETTO BASE

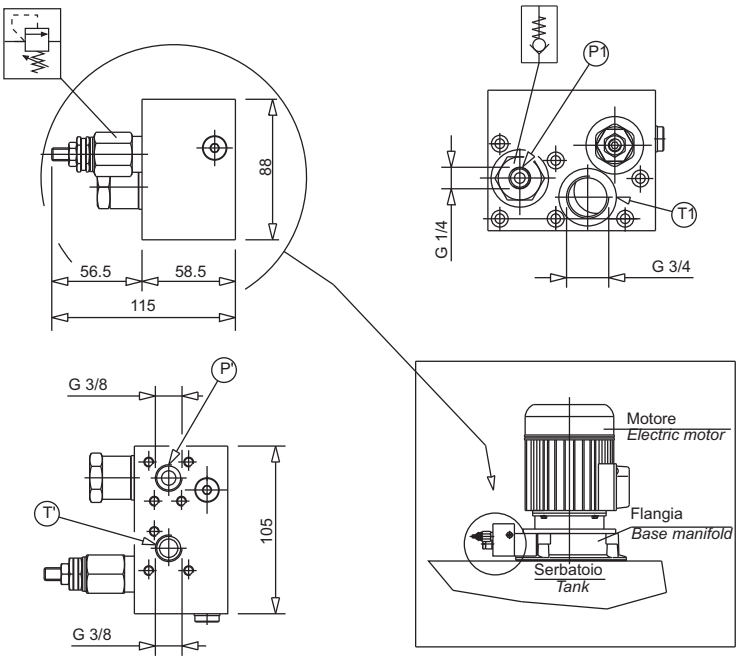
BASE BLOCK

Schema oleodinamico
Hydraulic circuit



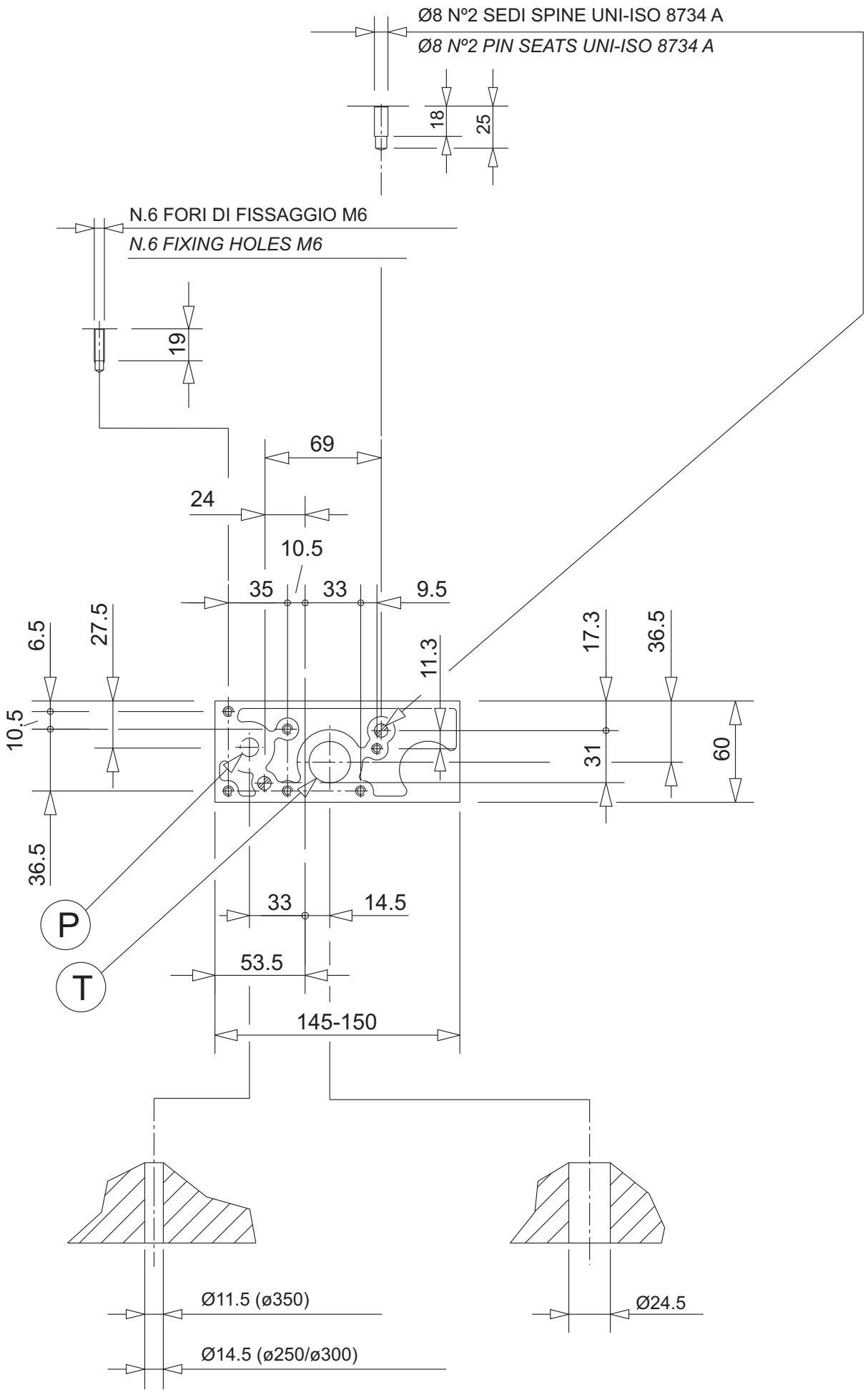
Codice ordinazione
Ordering code

S 2 0 7 – N 2 5 9

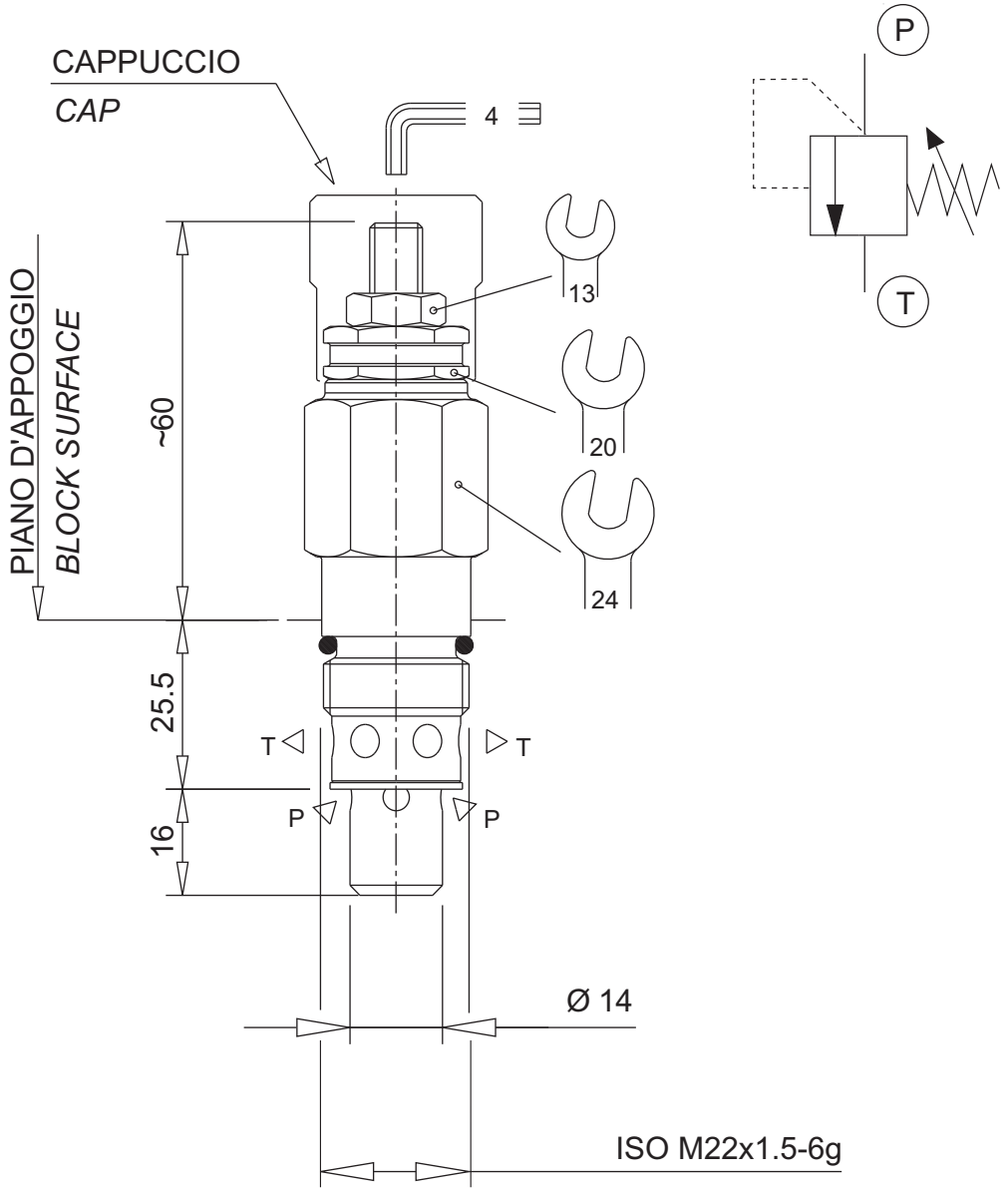


DIMENSIONI ATTACCO BLOCCHETTI SU FLANGIA “MH”

BLOCK MOUNTING INTERFACE

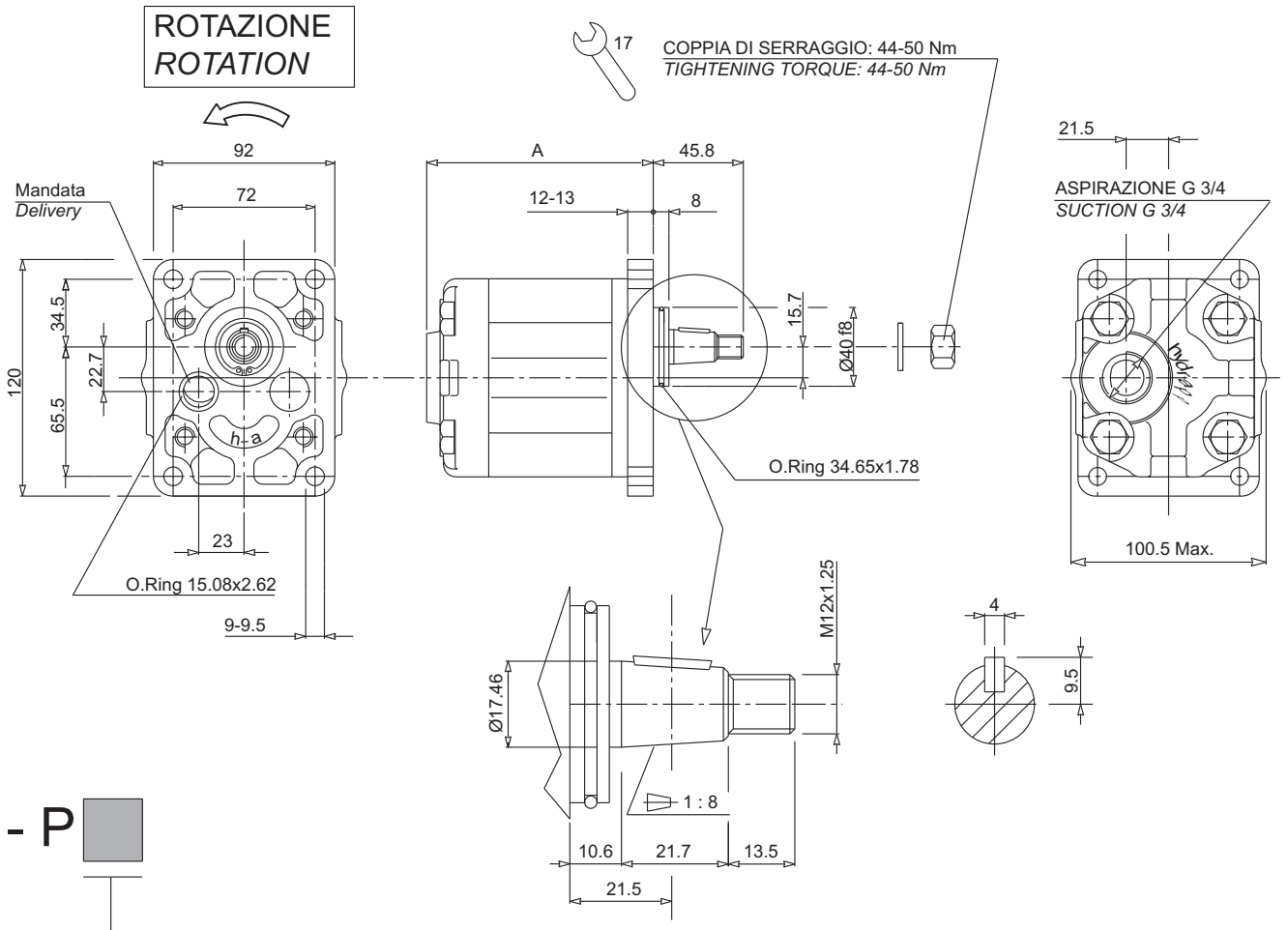


PER CAVITA' 1J
FOR CAVITY 1J



– V■ –

D	0 ÷ 40 bar
E	20 ÷ 110 bar
F	50 ÷ 220 bar
G	150 ÷ 310 bar



- P ☐

CODICE DI ORDINAZIONE CILINDRATA POMPA	CILINDRATA NOMINALE	PRESSIONE MASSIMA CONTINUA	PRESSIONE DI PICCO*	ROTAZIONE ALBERO	DIMENSIONI
ORDERING CODE	*NOMINAL DISPLACEMENT* (cc/rev)	*MAX.CONTINUOUS PRESSURE* (bar)	*OVERSHOOT PRESSURE** (bar)	*ROTATION*	*DIMENSIONS* A (mm)
G	4	230	250	SINISTRA / LEFT	103
H	6	230	250		106.5
I	8	230	250		110.5
L	11	230	250		114.5
M	14	230	250		120.5
N	17	230	250		124.5
O	19	210	230		128.5
P	22	180	200		134.5
Q	25	160	175		138.5

DATI TECNICI:

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

Temperatura del fluido minima: -15°C
Temperatura del fluido massima: 80°C
Viscosità minima: 12cSt
Viscosità massima all'avviamento: 1000 cSt
Viscosità ottimale: 20-50 cST
Livello di contaminazione: 18/14 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.

Oil temperature
min.: -15°C
max.: +80°C
Viscosity
min.: 12 cSt.
max.at the start: 1000 cSt.
optimum: 20-50 cSt.
Contamination level
18/14 ISO 4406

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

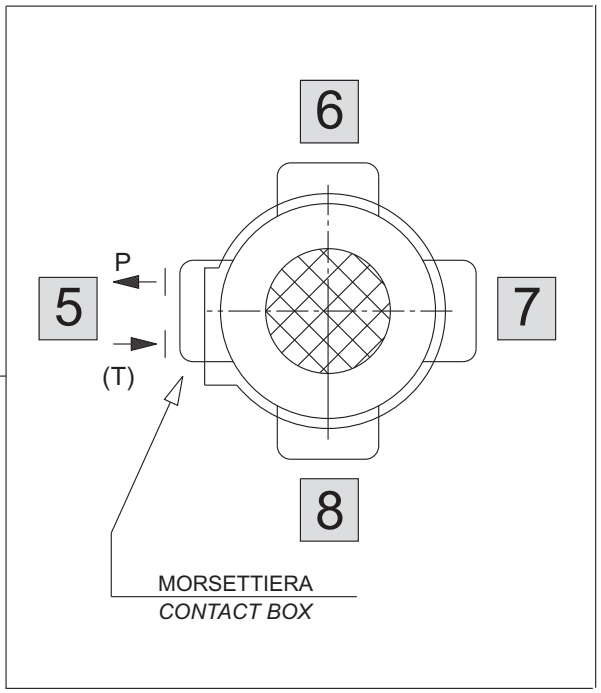
M ☐ ☐

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

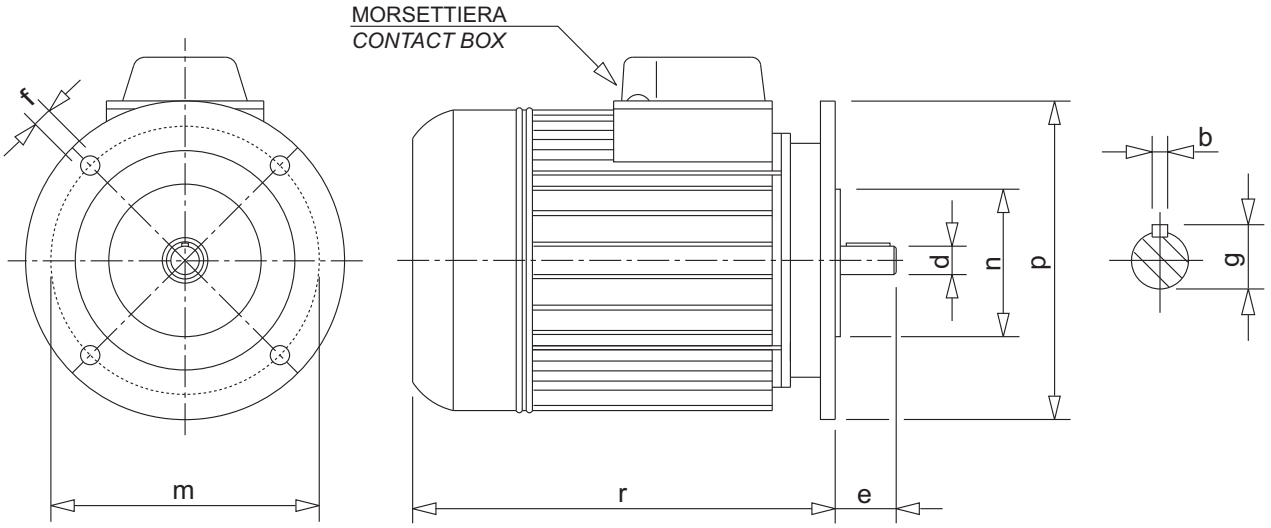
POSIZIONE DI MONTAGGIO
OMETTERE IN CASO DI ORDINE SENZA MOTORE
MOUNTING POSITION
TO LEAVE OUT IN CASE OF ORDER WITHOUT MOTOR.

CON QUESTO CODICE SI IDENTIFICA
LA DIMENSIONE DELLA FLANGIA MOTORE.

WITH THIS CODE WE IDENTIFY
THE MOTOR FLANGE DIMENSION.



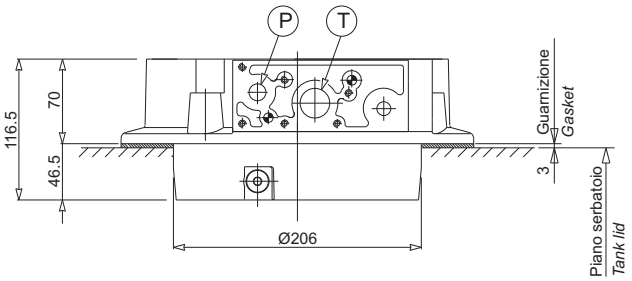
* Verificare contemporaneamente posizionamento "P-T" rispetto al serbatoio - pagina 12
Check in the same time the "P-T" position respect to the tank (page 12)

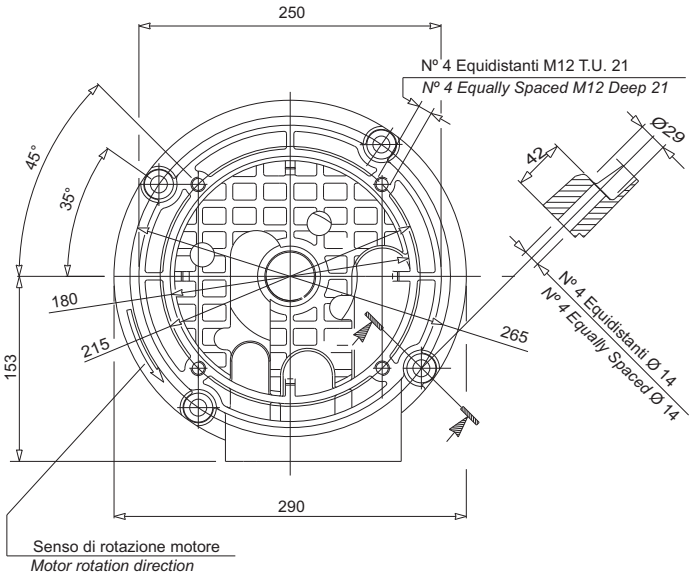


CODICE DI ORDINAZIONE *ORDERING CODE*	GRANDEZZA *FRAME SIZE*	Nº POLI *Nº POLES*	POTENZA(kW) *POWER*	b	d	e	f	g	m	n	p	r
A	100/112	2 4 6	3/4 2.2/4 1.5/2.2	8	28	60	14	31	215	180	250	301
B	132	2 4 6	5.5/7.5 5.5/7.5 3/4/5.5	10	38	80	14	41	265	230	300	416
C	160	2 4 6	11/15/18.5 11/15 7.5/11	12	42	110	18	45	300	250	350	540
D	180	2 4 6	22 18.5/22 15	14	48	110	18	51.5	300	250	350	580

DIMENSIONI FLANGIA Ø 250

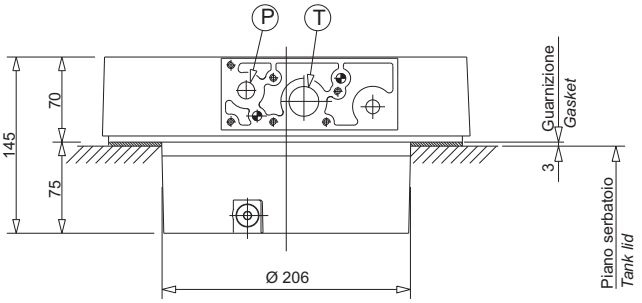
BASE MANIFOLD 250 DIAMETER

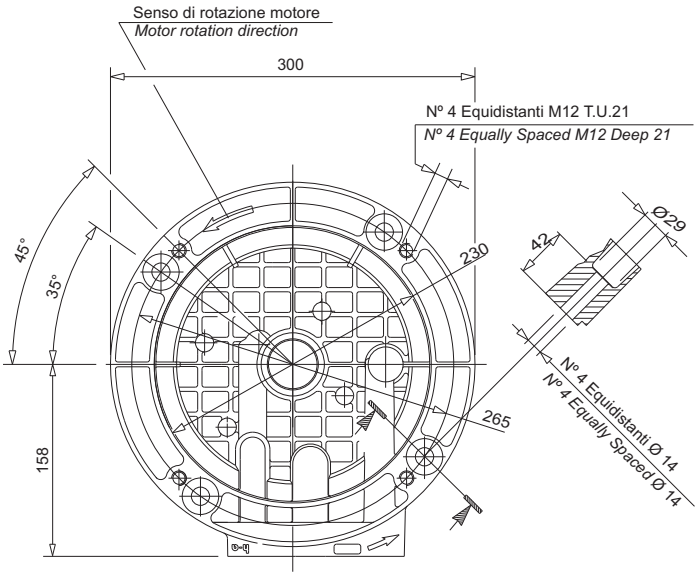




DIMENSIONI FLANGIA Ø 300

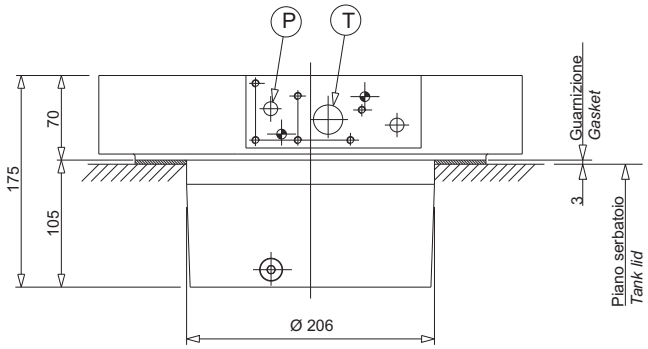
BASE MANIFOLD 300 DIAMETER

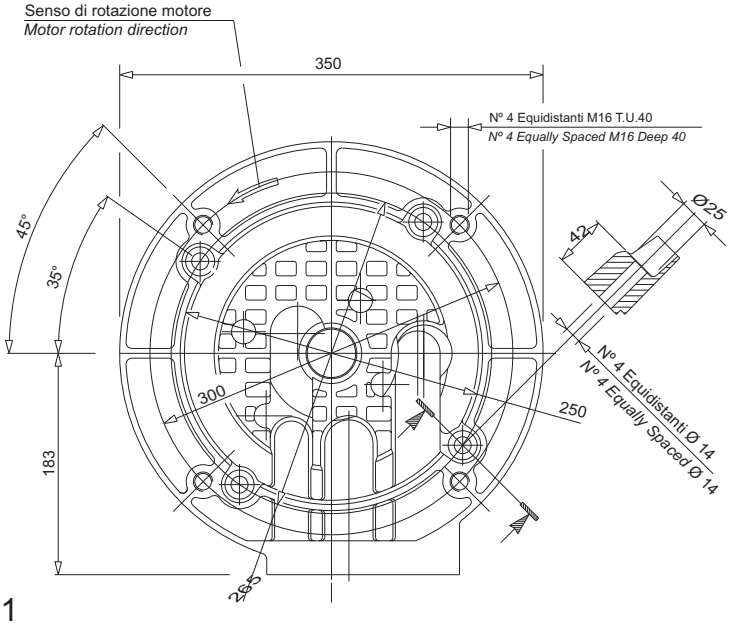




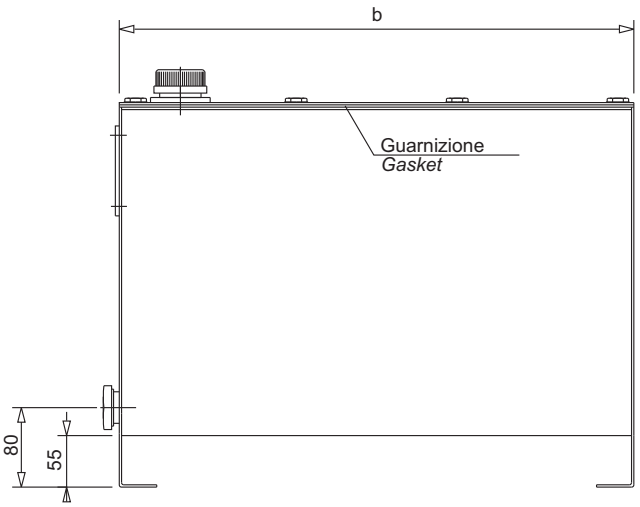
DIMENSIONI FLANGIA Ø 350

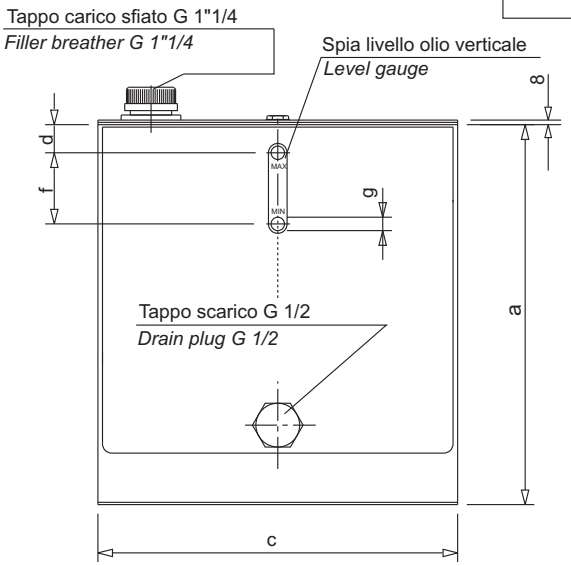
BASE MANIFOLD 350 DIAMETER

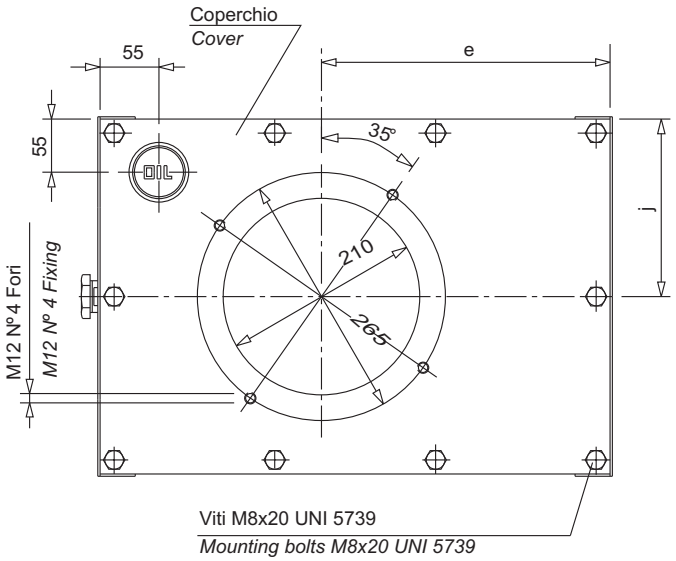


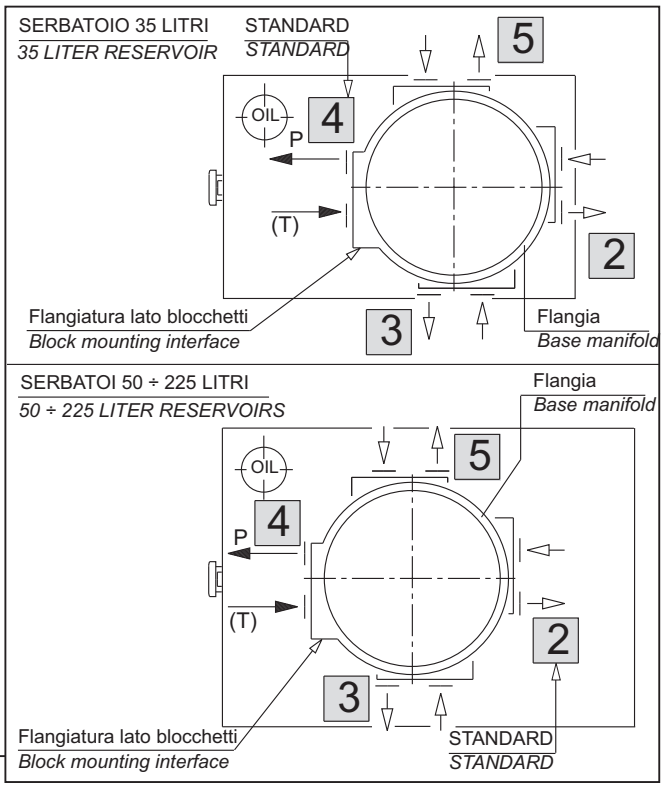


SERBATOI STANDARD
STANDARD TANKS









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

-T ☐ ☐ - F 0 — Senza serbatoio / *Without reservoirs*

☐ C

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
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

Senza serbatoio senza coperchio ma con kit tubi
Without reservoirs and without covers, but with hoses kits

Scegliere riferimento in base alla quota "a" del proprio serbatoio
Choose the reference basing on "a" dimension of your tank

Esempio:
T D C kit tubi per serbatoio lt 75
Example:
T D C hoses kit for lt 75 tank

brevini fluid power
Brevini Fluid Power S.p.A.
Via Moscova, 6 - 42124 Reggio Emilia - Italy
Tel: +39 0522 270511 - Fax: +39 0522 270660
www.brevinifluidpower.com

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