



## POMPE GRUPPO 1

**OT OilTechnology è una giovane azienda, costituita nel novembre del 2001 , che produce nell'hinterland di Parma una valida gamma di pompe, motori e divisori ad ingranaggi esterni.**

**Dal punto di vista tecnico OT OilTechnology ha realizzato un progetto " aggiornato " che è la sintesi delle esperienze applicative e delle nuove esigenze di mercato.**

**Le chiavi del successo di OT Oiltechnology sono:**

- SERVIZIO: **Un servizio esemplare e flessibile per caratterizzare l'azienda.**

- QUALITÀ: **Costante monitoraggio del processo produttivo e adeguato collaudo finale prodotto al 100% per assicurare la migliore qualità.**

- PREZZO: **Bassi costi di struttura uniti ad un processo produttivo efficiente per garantire prezzi competitivi.**

- PROPORSI E DIVENIRE PARTNER DEI PROPRI CLIENTI: **questa è la MISSION di OT OilTechnology.**



## GROUP 1 PUMPS

**OT OilTechnology is a young Company, founded in November 2001, which makes a comprehensive range of external gear pumps, motors and flow dividers.**

**From the technical side OT Oiltechnology has realized an "up-to date" project that is in line with the new needs of the market.**

**The OT Oiltechnology keys to succes are the following:**

- SERVICE: **A very good service, highly flexible, most important attribute of the Company.**

- QUALITY: **Constant quality control and 100% product testing to achieve the best results possible from our working processes.**

- PRICE: **Low overheads together with an efficient working process to offer competitive prices.**

- TO BE A PARTNER OF OUR CUSTOMERS: **This is the MISSION of OT OilTechnology.**

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## POMPE GRUPPO 1

### ALBERO CONDUTTORE

Disponibilita' di diversi tipi d'estremita' standard.

### CORPO

Estruso in lega di alluminio

### RASAMENTI

In lega di alluminio con boccole DU per ridurre il coefficiente di attrito.

### FLANGE

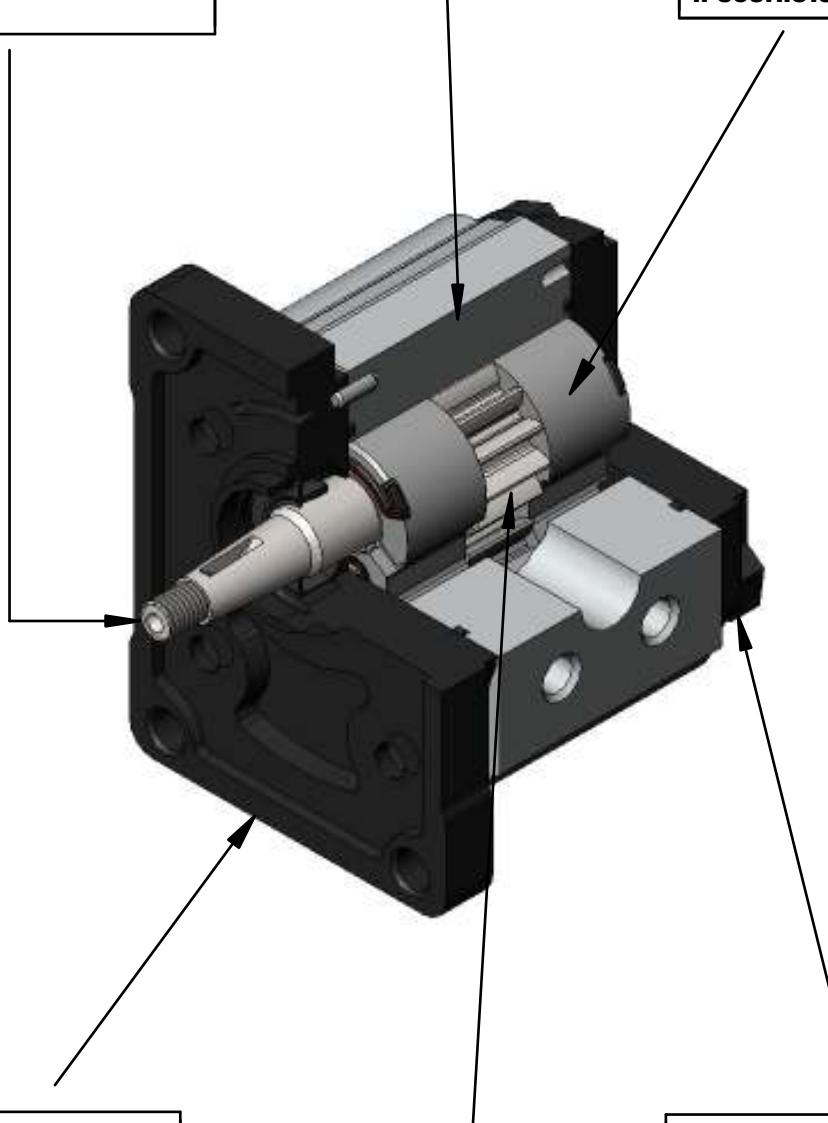
Disponibilita' diversi tipi di flangia in ghisa.

### RUOTE DENTATE

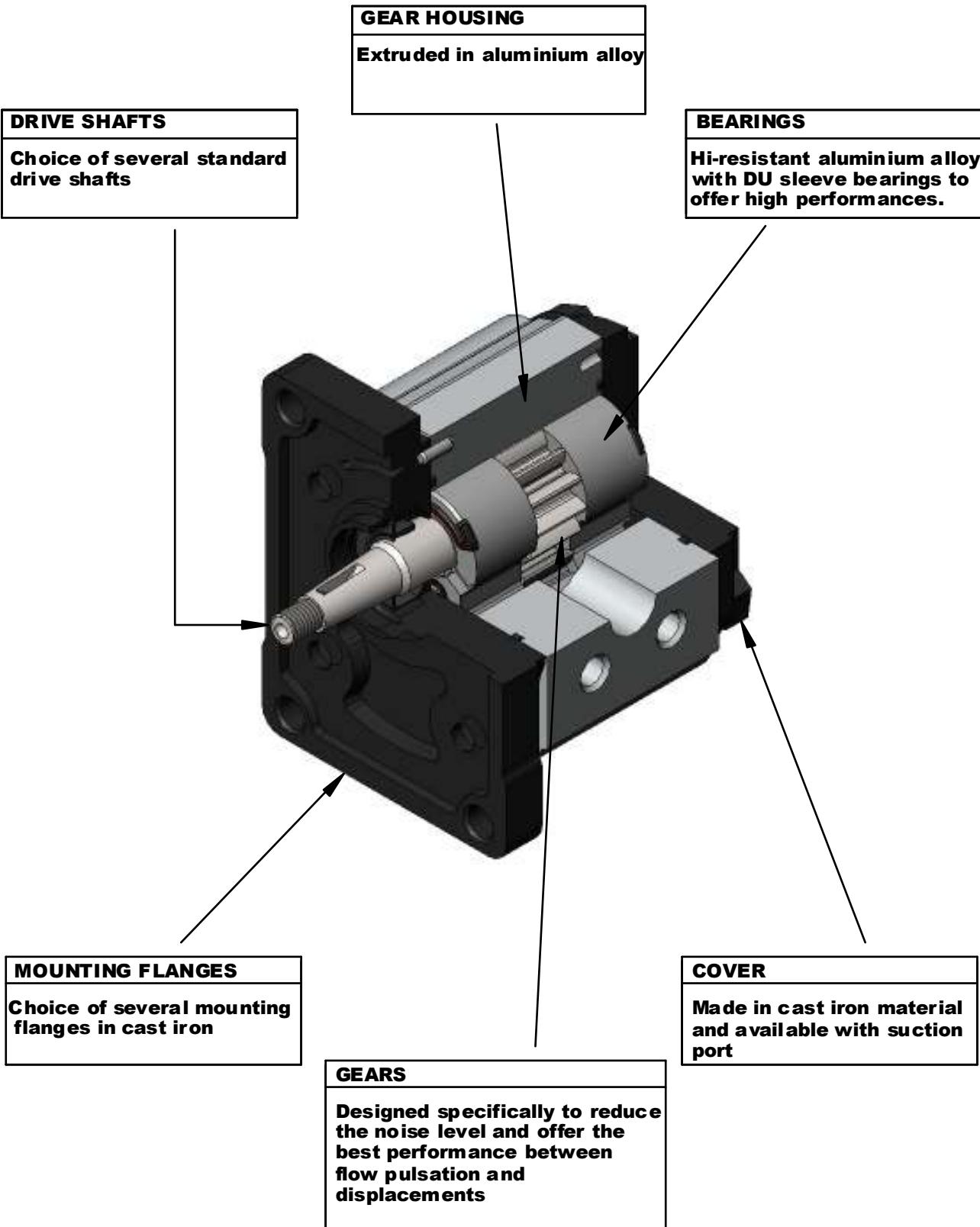
Realizzate da pieno e studiate per ridurre l'emissione sonora ed ottenere un buon compromesso tra pulsazione della portata e l'elevata portata specifica

### COPERCHIO

Disponibile anche con bocca di aspirazione. Costruzione in ghisa



## GROUP 1 PUMPS



## POMPE GRUPPO 1

### CARATTERISTICHE COSTRUTTIVE

PARTE	MATERIALE	CARATTERISTICHE
INGRANAGGI	<b>Acciaio da cement. UNI 7846</b>	<b>Rs= 950 N/mm<sup>2</sup></b> <b>Rm= 1250 N/mm<sup>2</sup></b>
FLANGIA E COPERCHIO	<b>Ghisa G25 / G30</b>	<b>Rs= 300 N/mm<sup>2</sup></b> <b>Rm= 450 N/mm<sup>2</sup></b>
RASAMENTI	<b>Sical 3</b> <b>Boccole autolubrificanti DU</b>	<b>Rs= 350 N/mm<sup>2</sup></b> <b>Rm= 390 N/mm<sup>2</sup></b>
CORPO POMPA	<b>Estruso Lega serie 7020</b> trattato termicamente	<b>Rs= 350 N/mm<sup>2</sup></b> <b>Rm= 390 N/mm<sup>2</sup></b>
GUARNIZIONI	<b>Acrilonitrile standard</b> Viton	<b>70 Shore, resistenza termica 120°C</b> <b>80 Shore, resistenza termica 200°C</b>
ANTIESTRUSORI	<b>Zitel</b>	<b>Colore rosso</b>

**Rs= Carico di snervamento.**

**Rm= Carico di rottura**

### CARATTERISTICHE GENERALI:

Pressioni massime fino a 300 bar.

Pesi : da 0.9 Kg a 1.3 kg

Regimi di rotazione fino a 5000 giri/min.

Configurazioni con aspirazione e mandata nel corpo , nella flangia , nel coperchio

Alberi disponibili: Conico 1:8 con linguetta a disco.

Penna con codolo fresato.

Cilindrico con linguetta .

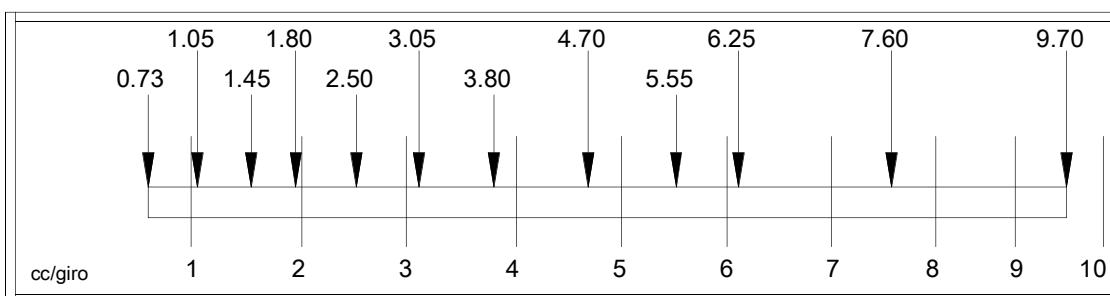
Scanalato DIN 5482.

Versioni con flangie: Tipo standard europeo.

Tipo per minicentralina Ø32.

Cilindrate da 0.73 cc/giro a 7.60 cc/giro.

Le cilindrate disponibili sono espresse nel seguente schema:



Sono inoltre disponibili versioni speciali con flangia a supporto per trasmissione indipendente, e versioni con albero conico 1:8 maggiorato ( Ø14 ) e portate fino a 9.9 cc/giro.

Altre versioni speciali prevedono la realizzazione di pompe doppie con valvola di sequenza integrata nel coperchio posteriore e pompe con valvola di massima pressione integrata.

### TRASCINAMENTO

Il collegamento della pompa al motore deve essere realizzato con un giunto che, durante la rotazione, non trasferisca alcuna forza radiale e/o assiale.

In questo caso sarebbe inevitabile una rapida usura delle parti interne in movimento con conseguente decadimento delle prestazioni stesse della pompa.

Se il moto viene trasmesso alla pompa a mezzo di ingranaggi , cinghie o catene e' necessario montare il supporto per trasmissione indipendente.

Nel caso di utilizzo di manicotti scanalati o di giunti di oldham , per evitare il deterioramento degli stessi , occorre assicurare una costante lubrificazione mediante grasso o prodotti specifici.

## GROUP 1 PUMPS

### CONSTRUCTIVE CHARACTERISTICS:

PART	MATERIAL	CHARACTERISTICS
GEARS	<b>Hardened steel UNI 7846</b>	<b>Rs= 1250 N/mm<sup>2</sup></b> <b>Rm= 1450 N/mm<sup>2</sup></b>
FLANGE AND COVER	<b>G25 / G30 cast iron</b>	<b>Rs= 300 N/mm<sup>2</sup></b> <b>Rm= 450 N/mm<sup>2</sup></b>
BEARINGS	<b>Sical 3</b> <b>Bearings with DU</b>	<b>Rs= 350 N/mm<sup>2</sup></b> <b>Rm= 390 N/mm<sup>2</sup></b>
BODY	<b>Etruded in aluminium alloy</b> <b>Series 7020</b>	<b>Rs= 350 N/mm<sup>2</sup></b> <b>Rm= 390 N/mm<sup>2</sup></b>
O-RINGS	<b>Buna N</b> <b>Viton</b>	<b>90 Shore, up to 90°C</b> <b>80 Shore, for high temperature</b>
ANTIEXTRUSION	<b>Zitel</b>	<b>With glass fibres</b>

**Rs= Enervation load**

**Rm= Breaking load**

### GENERAL CHARACTERISTICS:

Maximum pressures up to 300 bar

Weight : from 0.9 Kg to 1.6 kg

Maximum speed up to 5.000 rpm

Type of shafts: Taper 1:8

Oldham

Slined DIN 5482

SAE AA

Keyed

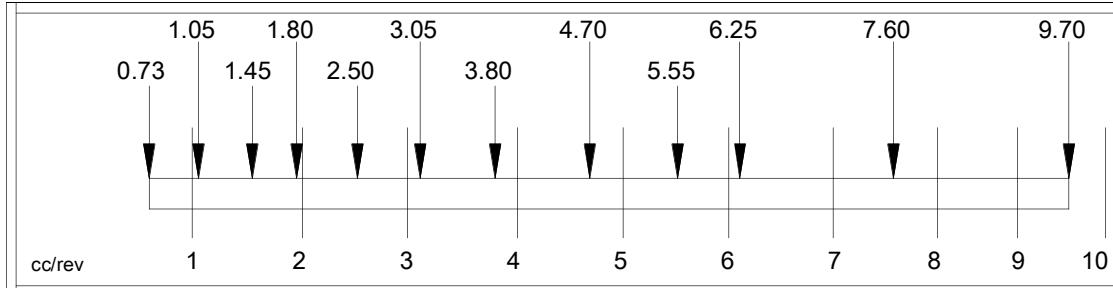
Type of flanges: European standard

Standard for power units

SAE AA standard

Displacements from 0.73 cc/rev to 9.9 cc/rev

The displacements are available according this table:



There is also available a special version with built-in support and a bigger taper 1:8 shaft ( diameter Ø14 ) for 9.9 cc/rev pump.

In the range there are tandem pumps with unloading valve in the back cover and pumps with built in maximum pressure relief valve ( with internal or external drain )

### DRIVE:

The connection of the pump to the motor must be done preferably with the use of a flexible coupling to avoid any radial and/or axial force on the shaft, otherwise pump efficiency will dramatically drop due to early wear of inner moving parts.

In any applications where the motion is trasmitted through belts, it is necessary to use a support to avoid any radial or axial load to the pump shaft.

In any applications where are used splined shafts or Oldham couplings, it is suggested to assure a costant lubrification through grease or similar products.

## POMPE GRUPPO 1

### CONDIZIONI DI IMPIEGO- PRESTAZIONI LIMITE

In normali condizioni di funzionamento , nel condotto di aspirazione rileviamo una leggera depressione: cioè in normale utilizzo la pressione di alimentazione è minore di quella atmosferica.  
Il campo di pressioni di esercizio in alimentazione deve rispettare i seguenti valori:

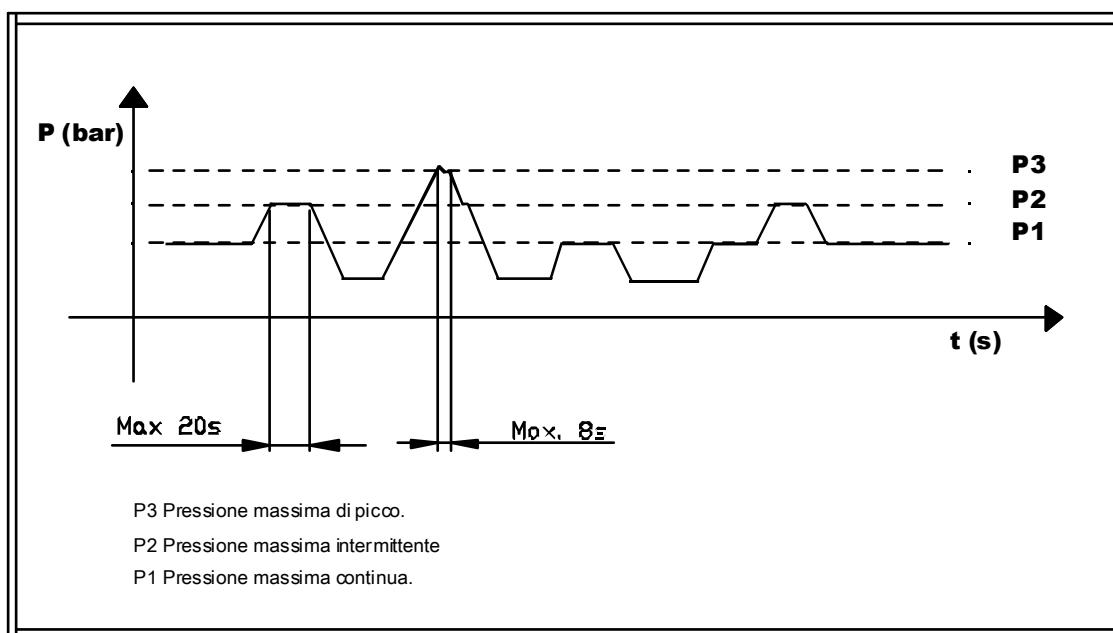
Min. 0.75 bar (assoluti)

Max 2,0 bar (assoluti)

Per valori di funzionamento con pressione in ingresso maggiore di quella Max. indicata è necessario contattare il nostro ufficio tecnico.

I valori di pressione massima "P1" sono riferiti al funzionamento continuo a 1500 giri/1' con fluidi idraulici normali con viscosità min = 10 cST.

Per valori più gravosi sia di regime che di viscosità (alta temperatura) e' necessario diminuire la P1.  
La normale definizione delle pressioni di lavoro o ammesse è riportata nella seguente tabella:

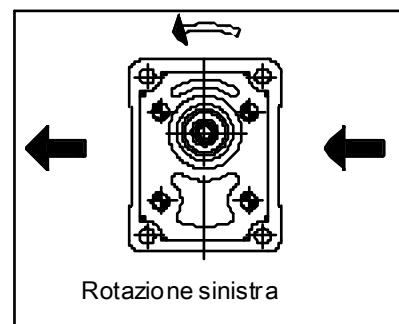
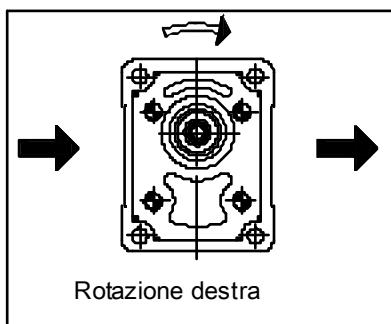


Per un regolare funzionamento i regimi di rotazione non debbono superare i valori max indicati, e riportati nelle relative tabelle, così come il regime minimo di rotazione non deve essere inferiore al seguente valore:

Min. = 750 giri/1'

Max = ( vedi tabelle )

### DEFINIZIONE DEL SENSO DI ROTAZIONE GUARDANDO L'ALBERO DI TRASCINAMENTO



## GROUP 1 PUMPS

### WORKING CONDITIONS- LIMIT PERFORMANCES

In normal working conditions there must be, in the suction pipe, a pressure lower than the atmospheric pressure.

The pressure range in suction must be:

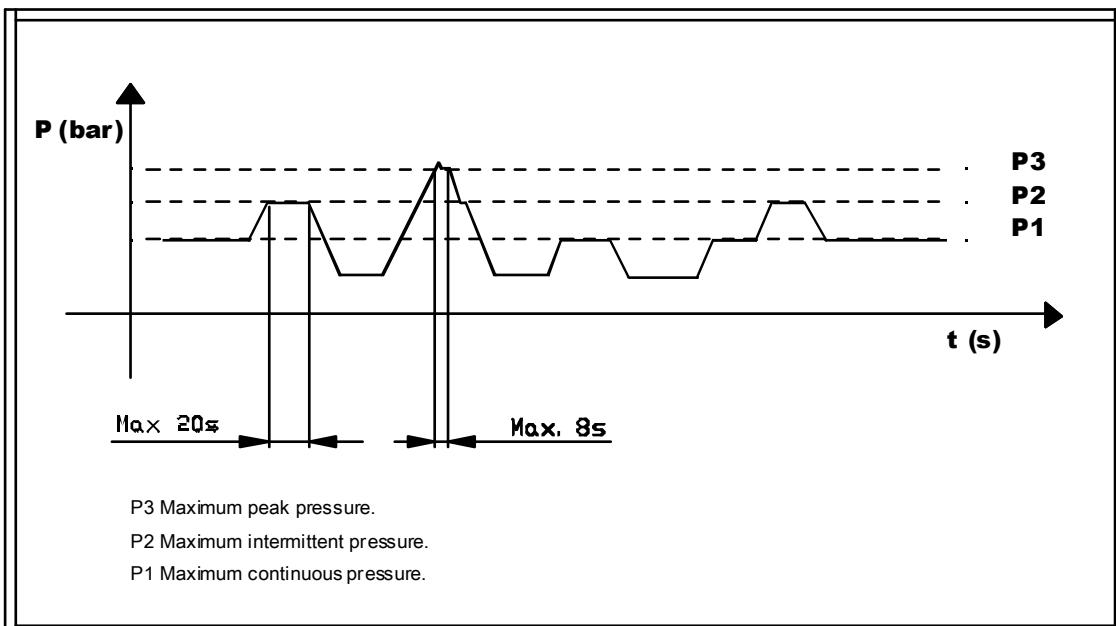
Min. 0.75 bar (absolute)

Max 2,0 bar (absolute)

The maximum pressure values "P1" are referred to a continuous working at 1500 rpm with standard hydraulic fluids with minimum viscosity of 10 cSt.

For heavier working conditions ( viscosity or high temperature ) it is necessary to reduce the "P1" values.

In the following table are described the admitted pressures:

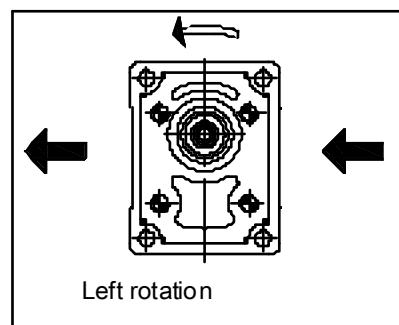
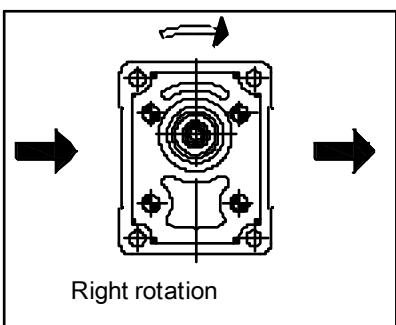


The standard working speeds ( minimum and maximum ) are the following:

Min. = 750 rpm

Max = ( See following tables )

### DIRECTION OF ROTATION LOOKING AT THE SHAFT:



## POMPE GRUPPO 1

### FILTRAZIONE FLUIDO

E' ormai provato che la maggior parte dei prematuri cali di prestazione delle pompe e' dovuto al loro funzionamento in condizioni di filtrazione scorretta.

La presenza di particelle contaminanti in un fluido idraulico dovuta ad un inefficacia sistema di filtrazione puo' in effetti portare ad un irreparabile danneggiamento degli elementi interni della pompa.

Si raccomanda di porre particolare attenzione alla pulizia dell' impianto , soprattutto in fase di avviamento dello stesso.

L'iniziale contaminazione del fluido deve essere in accordo alla norma ISO 4406 e non dovrebbe superare la classe 19/16 con un filtro 3x75.

E' importante dimensionare il serbatoio in modo tale che abbia una capacita' almeno doppia rispetto al volume di fluido pompato dalla pompa in un minuto di funzionamento.

Sono indicati di seguito i parametri tecnici che e' importante rispettare:

FILTRAGGIO IN INGRESSO	<b>30 / 60 Micron nominali</b>
FILTRAGGIO IN USCITA	<b>10 / 25 Micron assoluti</b>
VELOCITA' MAX IN INGRESSO	<b>0.5 / 1.5 m/s</b>
VELOCITA' MAX IN USCITA	<b>3.0 / 5.5 m/s</b>

In ambienti di lavoro particolarmente inquinati è particolarmente importante ridurre ulteriormente il filtraggio in uscita e prevedere anche un filtro aria.

### FLUIDI IDRAULICI

Si raccomanda l'utilizzo di fluidi esclusivamente progettati per l'impiego in trasmissioni oleodinamiche, tipicamente olio idraulico a base minerale HLP HV ( DIN 51524)

Sono indicati di seguito i parametri tecnici che e' importante rispettare:

VISCOSITA' MINIMA	<b>10 mm<sup>2</sup>/s</b>
VISCOSITA' MASSIMA	<b>100 mm<sup>2</sup>/s</b>
VISCOSITA' CONSIGLIATA	<b>20 mm<sup>2</sup>/s / 100 mm<sup>2</sup>/s</b>
TEMPERATURA CONSIGLIATA	<b>30°C / 50°C</b>
TEMPERATURA DI ESERCIZIO	<b>-15°C / +80°C</b>

Se si impiega Acqua-glicol ( HF-C ) si devono adottare le seguenti limitazioni: n.giri max 1500 giri/min pressione max 200 bar.

Per impieghi con fluidi esteri-fosforici consultare nostro ufficio tecnico.

### ISTRUZIONI PER L' INSTALLAZIONE

-Durante il primo avviamento tarare le valvole limitatrici di pressione al minor valore possibile e raggiungere il il valore massimo in modo graduale.

-Verificare, nel caso di pompa monodirezionale, che il senso di rotazione sia coerente con quello dell'albero dal quale deriva il moto.

-Controllare che il collegamento tra albero motore e pompa sia corretto:  
cioe' che non induca a carichi radiali o assiali.

-Evitare partenze sotto carico in condizioni di bassa temperatura o comunque dopo lunghi periodi di inattività.

-Verificare che il livello del serbatoio sia adeguato dopo l'installazione di tutta la componentistica.

-Durante il primo avviamento scollare lo scarico per permettere di spurgare l'aria nel circuito.

-Proteggere l'anello di tenuta della pompa in caso di verniciatura; verificare la pulizia della zona di contatto tra anello di tenuta ed albero: la presenza di polvere puo' accelerare l'usura causare delle perdite.

-E' inoltre importante dotare l'impianto di idonei sistemi di sicurezza atti ad evitare turbolenze nel fluido, in special modo nei condotti di ritorno al serbatoio, e evitare l' entrata in circolo nei sistemi di aria, acqua, o contaminanti di vario genere.

-Verificare sempre che la coppia applicata sia minore o uguale alla coppia ammissibile dell'albero.

-Utilizzare sempre oli ben filtrati, con assenza di acqua o con qualsiasi altra sostanza emulsionante.

-Non far mai girare la pompa con soluzioni olio aria.

-Per pompe con mandata sulla flangia si consiglia di non superare portate di 12 litri/ min.

## GROUP 1 PUMPS

### FLUID FILTRATION

**It is known that in many cases the premature pump performances reduction is due to a non correct filtration in the circuit.**

**The presence of contamination particles in the fluid usually corresponds to an irreparable wear of the pump internal parts.**

**It is recommended to pay attention to the plant cleaning, mainly in the starting activity.**

**The starting fluid contamination it must be according to the Norms ISO 4406 and it should not exceed the Class 19/16 with a filter 3x75.**

**Here below the technical parameters to respect:**

FILTRATION IN SUCTION LINE	<b>30 / 60 Nominal micron</b>
FILTRATION IN PRESSURE LINE	<b>10 / 25 absolute micron</b>
MAXIMUM SPEED IN SUCTION	<b>0.5 / 1.5 m/s</b>
MAXIMUM SPEED IN OUTPUT	<b>3.0 / 5.5 m/s</b>

**Sometime in contaminated places it is recommended to improve the filtration in pressure line and fit also an air filter.**

### HYDRAULIC FLUIDS

**It is recommended the use of fluids made for hydraulic circuits.**

**Usually they are hydraulic oils with mineral basis HLP HV ( DIN 51524 ).**

**Here below the technical parameters to respect:**

MINIMUM VISCOSITY	<b>10 mm<sup>2</sup>/s</b>
MAXIMUM VISCOSITY	<b>100 mm<sup>2</sup>/s</b>
SUGGESTED VISCOSITY	<b>20 mm<sup>2</sup>/s / 100 mm<sup>2</sup>/s</b>
SUGGESTED TEMPERATURE	<b>30°C / 50°C</b>
WORKING TEMPERATURE	<b>-15°C / +80°C</b>

**For applications with water-glycol ( HF-C ) it is recommended to consider the following limitations: 1500 rpm maximum speed and 200 bar maximum pressure.**

**For applications with phosphate ester fluids, please contact our Technical department.**

### INSTALLATION INSTRUCTION

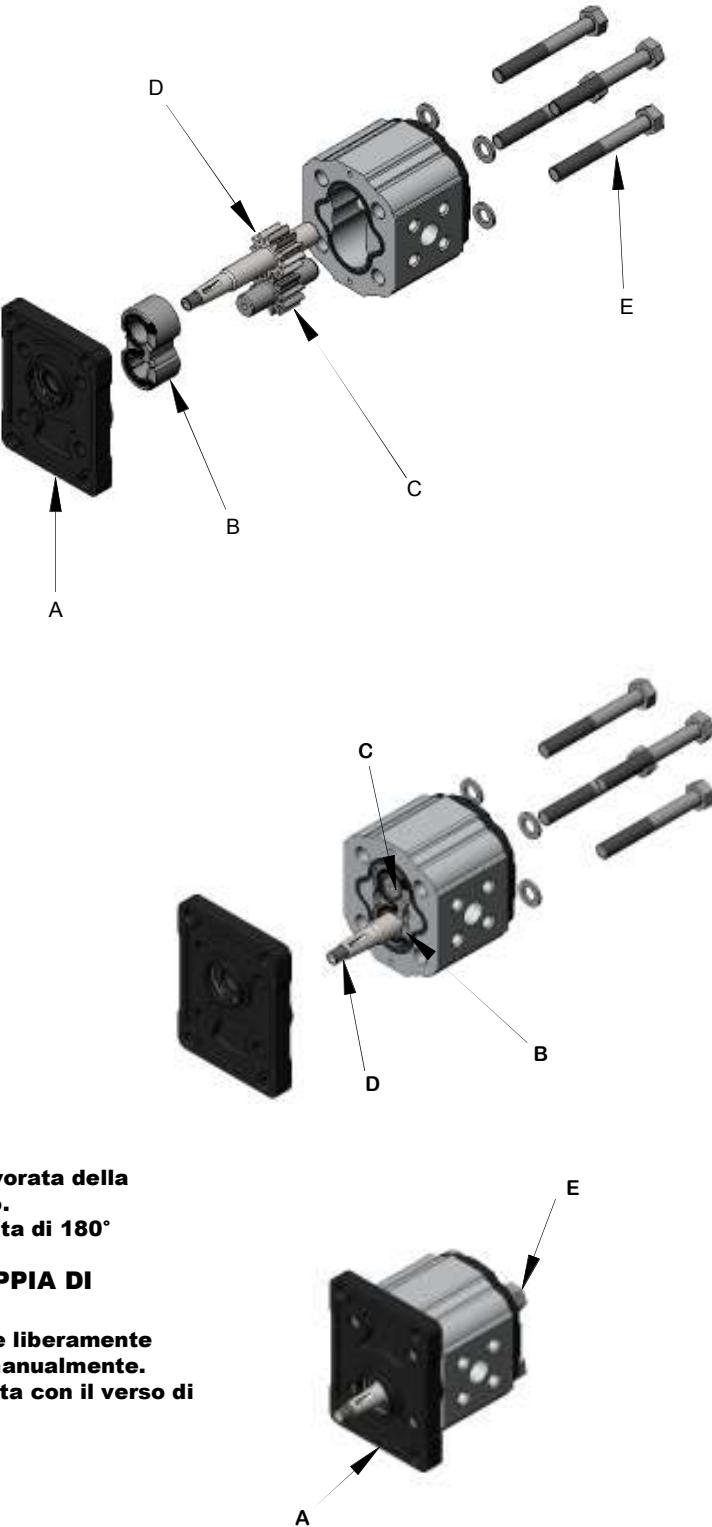
**During the first starting it is recommended:**

- to set the maximum pressure relief valves to a low value and gradually increase the pressure.
  - to check, with single rotation pumps, that the rotation direction is correct.
  - to check that the connection between the motor and pump shaft is correct: without radial or axial load.
  - to avoid starting under pressure in low temperature conditions or after long period of inactivity
  - to check the fluid level in the tank
  - to disconnect the return pipe and purge any air in the circuit
  - to protect the pumpshaft seal when painting power pack
  - to use suitable systems in the return lines to tank, to avoid turbulence in the circuit and ingress of air, water or contamination
  - to check the torque that must be lower than the maximum torque admissible on the pump shaft
  - to use new oil filters with absence of water or any other emulsifying substance
  - to avoid starting with an air-oil solution
- It is important to specify an oil tank at least twice the flow from the pump.**

## POMPE GRUPPO 1- INVERSIONE DELLA ROTAZIONE

**PER INVERTIRE LA ROTAZIONE DELLA POMPA OT100 È NECESSARIO SEGUIRE LE PROCEDURE ELENcate:**

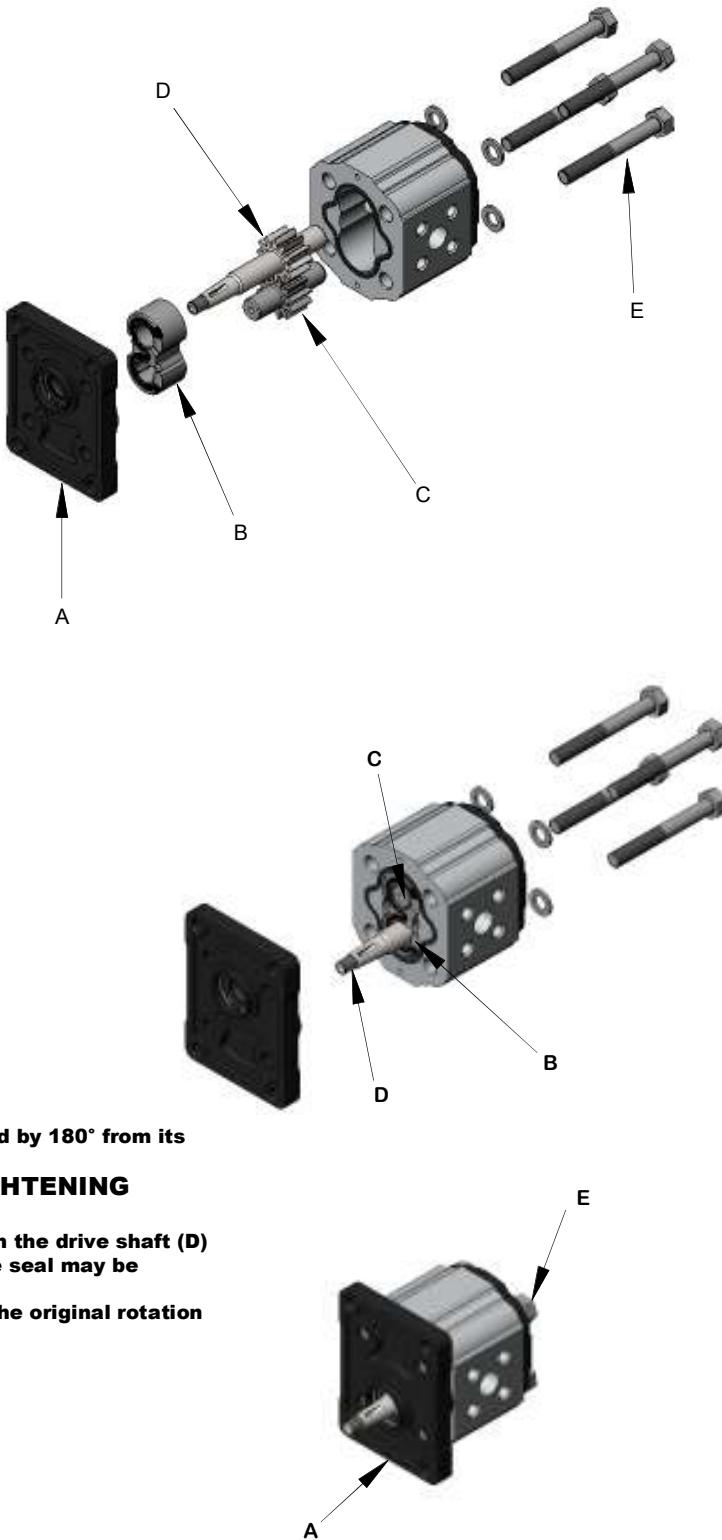
1. Pulire accuratamente l'esterno della pompa.
2. Allentare e successivamente rimuovere le viti di serraggio (E).
3. Rivestire con nastro adesivo gli spigoli vivi dell'albero motore(D), e spalmare uno strato di grasso sulla parte terminale dell'albero al fine di evitare il danneggiamento del paraolio quando si andrà a rimuovere la flangia.
4. Rimuovere la flangia (A), avere cura di mantenere la flangia il più dritta possibile durante la rimozione. Accertarsi che durante la rimozione della flangia, l'albero motore e gli altri componenti restino in posizione.
5. Allentare l'albero motore (D) in modo da facilitare la rimozione dei rasamenti (B), avere cura di non danneggiare la superficie del corpo pompa.
6. Rimuovere l'albero (D) senza ribalzarlo. La flangia posteriore non deve essere rimossa.
7. Riposizionare l'albero condotto (C) nell'alloggiamento dove prima era posizionata l'albero motore (D).
8. Riposizionare l'albero motore (D) nell'alloggiamento dove prima era posizionata l'albero condotto (C).
9. Riposizionare il rasamento (B) nella sua posizione originale.
10. Pulire accuratamente la superficie lavorata della flangia e del corpo con un canovaccio.
11. Rimontare la flangia frontale (A) ruotata di 180° rispetto alla sua originaria posizione.
12. Rimontare le viti di serraggio (E).(**COPPIA DI SERRAGGIO VITI = 28 Nm**)
13. Verificare che la pompa possa ruotare liberamente quando l'albero motore viene girato manualmente.
14. La pompa è pronta per essere installata con il verso di rotazione invertito.



## GROUP 1 PUMPS- CHANGING ROTATION

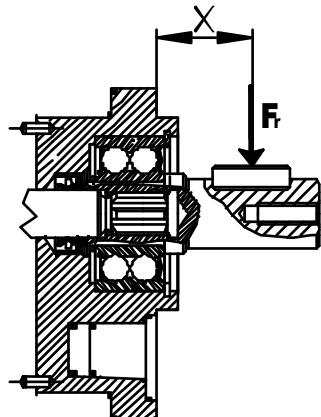
**TO CHANGE ROTATION OF OT100 PUMP IT'S NECESSARY TO OPERATE IN THE FOLLOWING WAY:**

1. Clean the pump externally with care.
2. Loosen, and remove, the clamp bolts (E).
3. Coat the sharp edges of the drive shaft (D) with adhesive tape and smear a layer of clean grease on the shaft end extension to avoid damaging the lip of the shaft seal when removing the mounting flange.
4. Remove the mounting flange (A), taking care to keep the flange as straight as possible during removal. Ensure that while removing the front mounting flange, the drive shaft and other components remain in position.
5. Ease the drive gear (D) up to facilitate removal of bearings (B), taking care that the precision ground surfaces do not become damaged, and removed the drive gear.
6. Remove the driven gear (D) without overturning. The rear flange has not to be removed.
7. Re-locate the driven gear (C) in the position previously occupied by the drive gear (D).
8. Re-locate the drive gear (D) in the position previously occupied by the driven gear (C).
9. Replace the front flange (A) in its original position.
10. Gently wipe the machined surface of the front flange (A) and the body with a canvas.
11. Refit the front mounting flange (A) turned by 180° from its original position.
12. Refit the clamp bolts (E). **(SCREW TIGHTENING TORQUE = 28 Nm)**
13. Check that the pump rotates freely when the drive shaft (D) is turned by hand. If not a pressure plate seal may be pinched.
14. The pump is ready for installation with the original rotation reversed.



## POMPE GRUPPO 1 - CON SUPPORTO

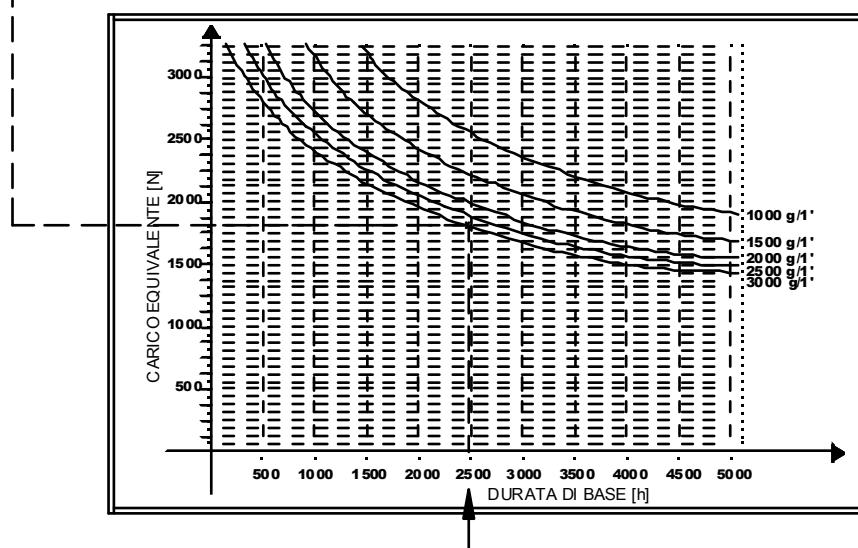
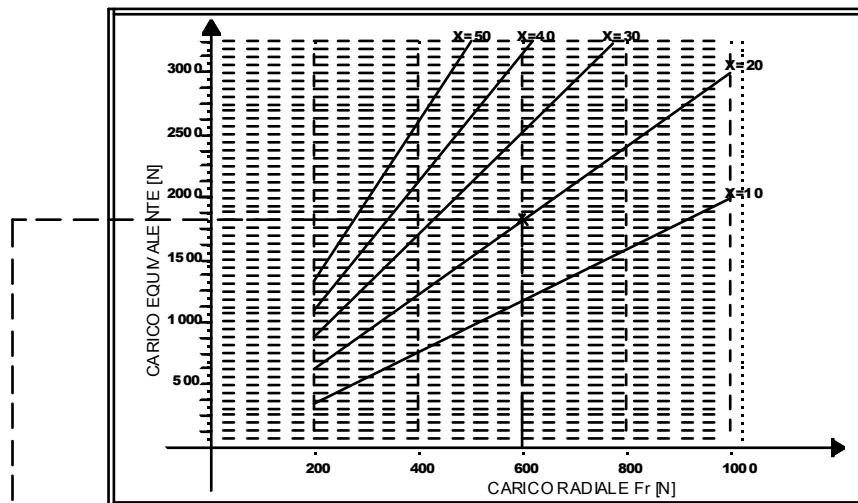
### VERIFICA DELLA DURATA DEL CUSCINETTO



**X = Distanza del carico radiale rispetto alla battuta della flangia**

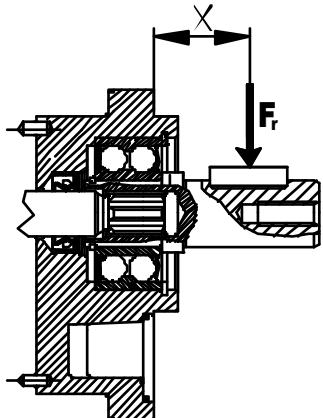
Per l'ottenimento delle curve si sono utilizzati:  
**Olio lubrificante ISO VG 46**  
**Temperatura 60° C**  
**Assenza o ridottissimo carico assiale**

**Esempio**  
 $Fr = 600 \text{ N}$   
 $X = 20 \text{ mm}$   
**Velocità = 3000 g/1'**  
**Durata di base } \approx 2500 \text{ h}**



## GROUP 1 PUMPS- WITH FRONT BEARING

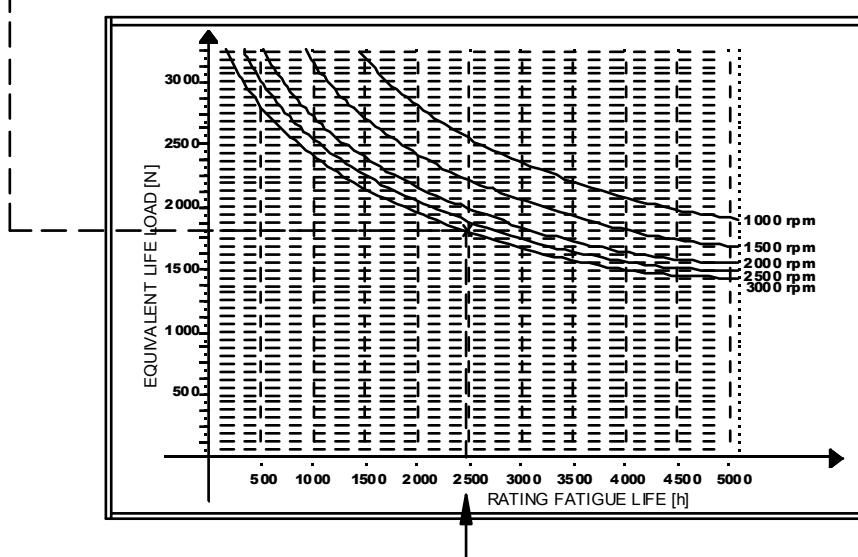
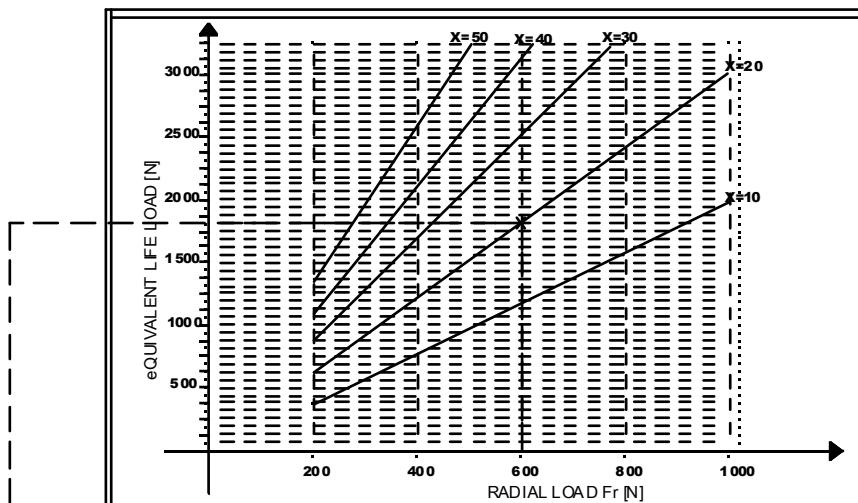
### VERIFY OF BEARING LIFE



**X = Distance of the radial flange result from the mounting flange**

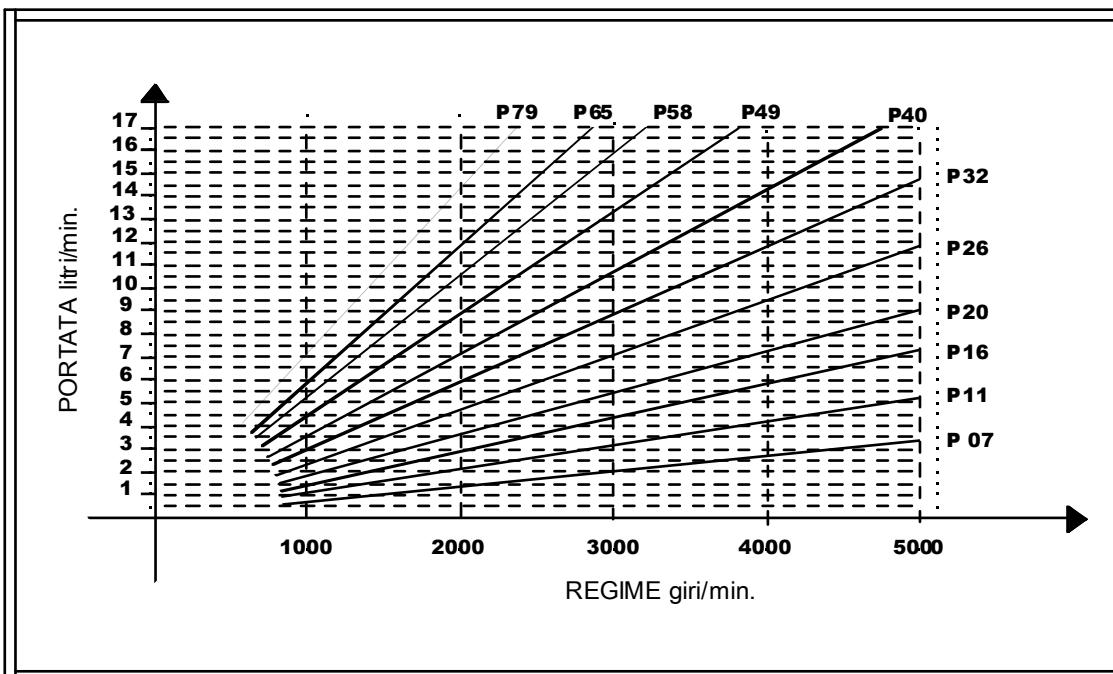
**Each curve has been obtained at:**  
**Lubricant oil ISO VG 46**  
**Temperature 60° C (140° F)**  
**Without or with very low axial load**

**Example**  
**Fr = 600 N**  
**X = 20 mm**  
**Speed = 3000 rpm**  
**Rating fatigue life  $\approx$  2500 h**

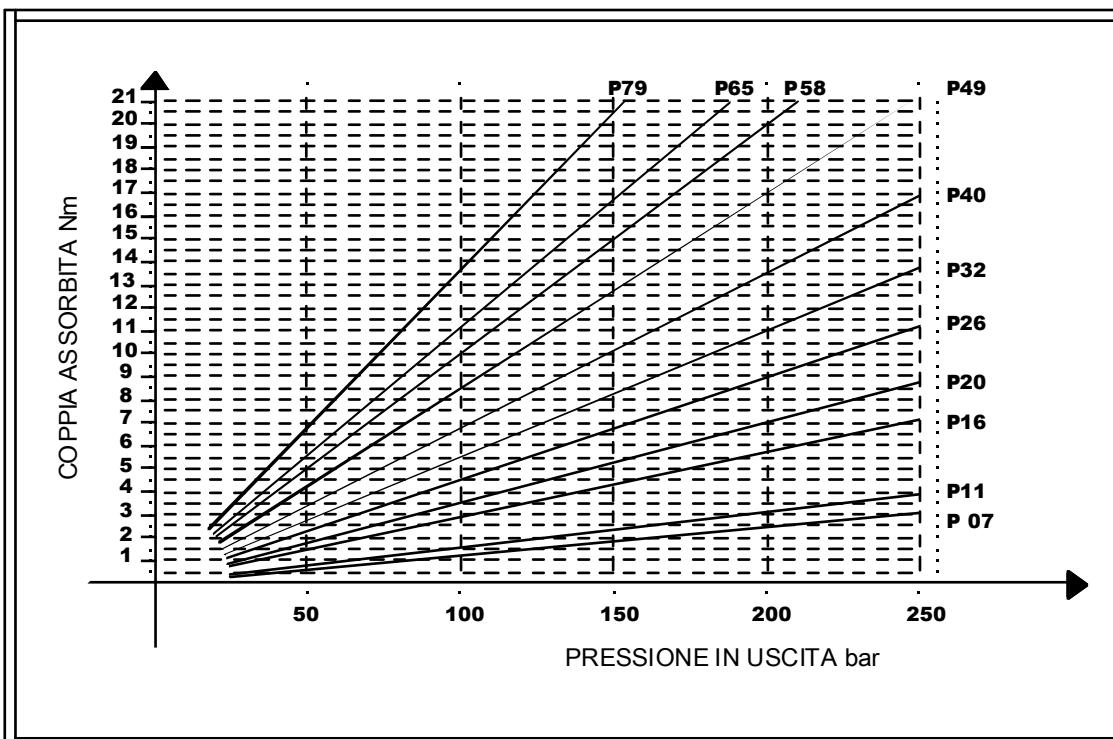


## POMPE GRUPPO 1

### CURVE CARATTERISTICHE DI PORTATA



### COPPIA ASSORBITA

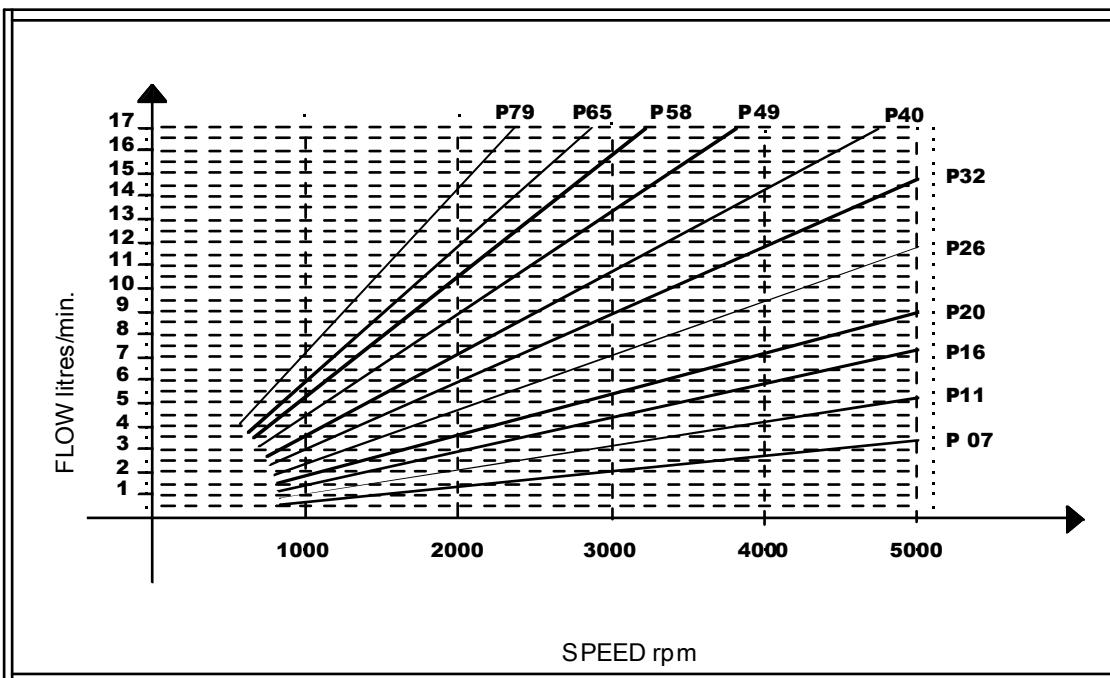


### NOTE

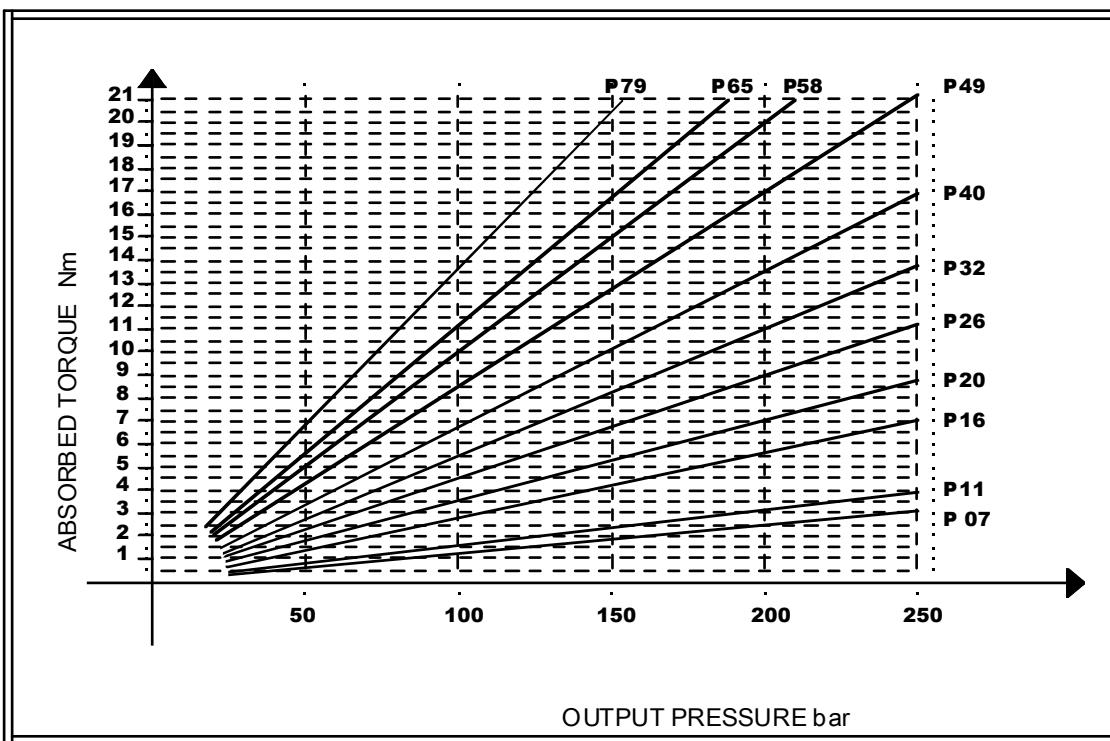
Le curve caratteristiche di portata sono state tracciate considerando un rendimento volumetrico del 95%

## GROUP 1 PUMPS

### FLOW CHARACTERISTICS CURVES



### ABSORBED TORQUE



### NOTE

Above flow characteristics curves have been made considering a volumetric efficiency of 95%

## POMPE GRUPPO 1

### DETERMINAZIONE DI UNA POMPA

<b>V</b>	<b>Cilindrata</b>	<b>cm<sup>3</sup>/giro</b>
<b>Q</b>	<b>Portata</b>	<b>l/min</b>
<b>P</b>	<b>Potenza</b>	<b>kW</b>
<b>C</b>	<b>Coppia</b>	<b>N · m</b>
<b>N</b>	<b>Velocita'</b>	<b>g/min</b>
<b>ΔP</b>	<b>Pressione</b>	<b>bar</b>
<b>n<sub>v</sub></b>	<b>Rendimento volumetrico</b>	<b>0.95</b>
<b>n<sub>m</sub></b>	<b>Rendimento meccanico</b>	<b>0.9</b>
<b>n<sub>t</sub></b>	<b>Rendimento totale</b>	<b>0.85</b>

$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad \text{l/min}$$

$$C = \frac{\Delta P \cdot V}{62.8 \cdot n_m} \quad \text{N · m}$$

$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad \text{kW}$$

## GROUP 1 PUMPS

### PUMP CALCULATION

<b>V</b>	<b>Displacement</b>	<b>cc / rev</b>
<b>Q</b>	<b>Flow</b>	<b>l/min</b>
<b>P</b>	<b>Power</b>	<b>kW</b>
<b>C</b>	<b>Torque</b>	<b>N · m</b>
<b>N</b>	<b>Speed</b>	<b>rpm</b>
$\Delta P$	<b>Pressure</b>	<b>bar</b>
$n_v$	<b>Volumetric efficiency</b>	<b>0.95</b>
$n_m$	<b>Mechanical efficiency</b>	<b>0.9</b>
$n_t$	<b>Total efficiency</b>	<b>0.85</b>

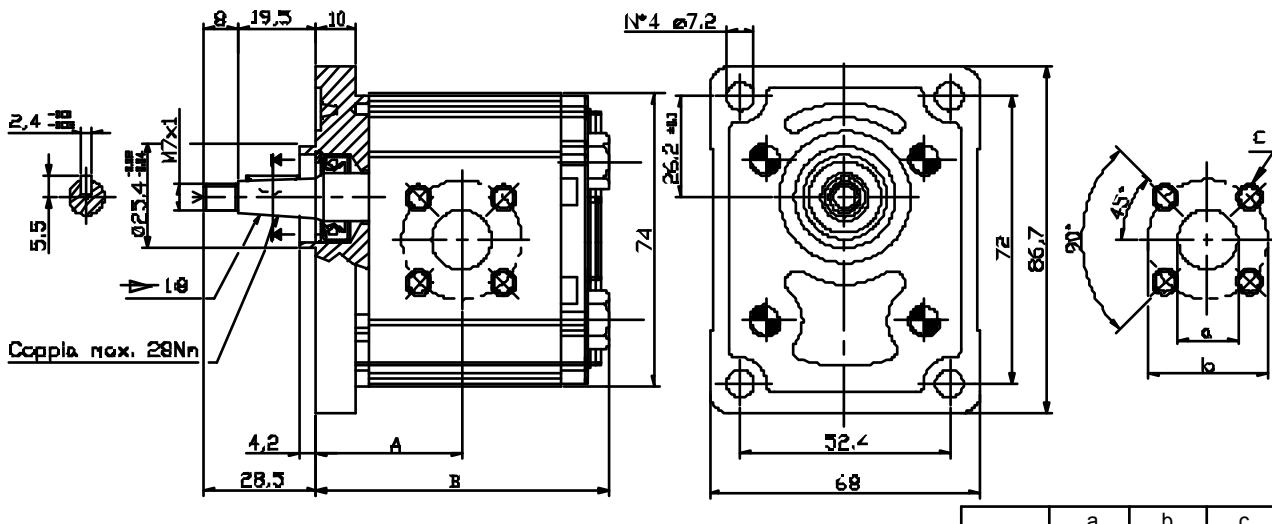
$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad \text{l/min}$$

$$C = \frac{\Delta P \cdot V}{62.8 \cdot n_m} \quad \text{N} \cdot \text{m}$$

$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad \text{kW}$$

## POMPE GRUPPO 1 - STANDARD EUROPEO

**VERSIONE: B18 P1**



Bocca	a	b	c
	mm	mm	Filet.
Mandata	13	30	M6x12
Aspir.	13	30	M6x12

Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione B		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
					A	B			
OT 100 P07	0.73	200	240	5000	31.30	64.5	1.8	PS1007081S	PS1007081D
OT 100 P11	1.05	250	290	5000	31.90	65.6	2.4	PS1007082S	PS1007082D
OT 100 P16	1.45	260	300	5000	32.75	67.3	4.2	PS1007083S	PS1007083D
OT 100 P20	1.80	260	300	5000	33.45	68.7	5.2	PS1007084S	PS1007084D
OT 100 P25	2.45	260	300	5000	34.50	70.8	6.7	PS1007085S	PS1007085D
OT 100 P32	3.05	260	300	5000	35.50	72.8	8.3	PS1007086S	PS1007086D
OT 100 P40	3.80	260	300	4500	36.90	75.6	10.1	PS1007087S	PS1007087D
OT 100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1007088S	PS1007088D
OT 100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1007089S	PS1007089D
OT 100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1007090S	PS1007090D
OT 100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1017091S	PS1017091D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / B 18 P1

Serie

Pompa

Cilindrata ( vedere tabella )

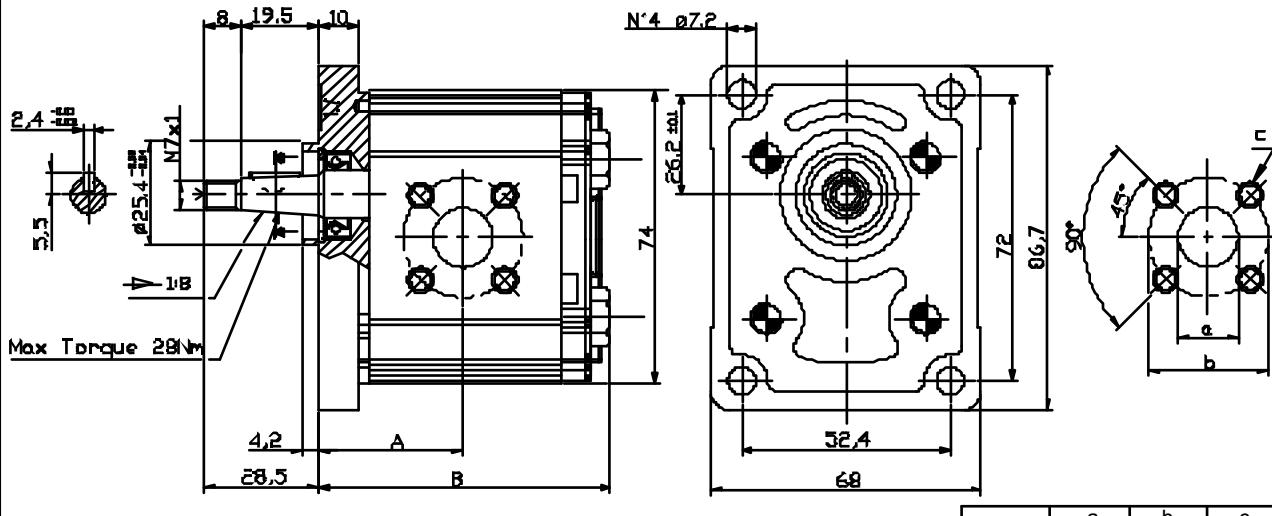
Rotazione	
S	Sinistra
D	Destra

Flangia standard Europeo

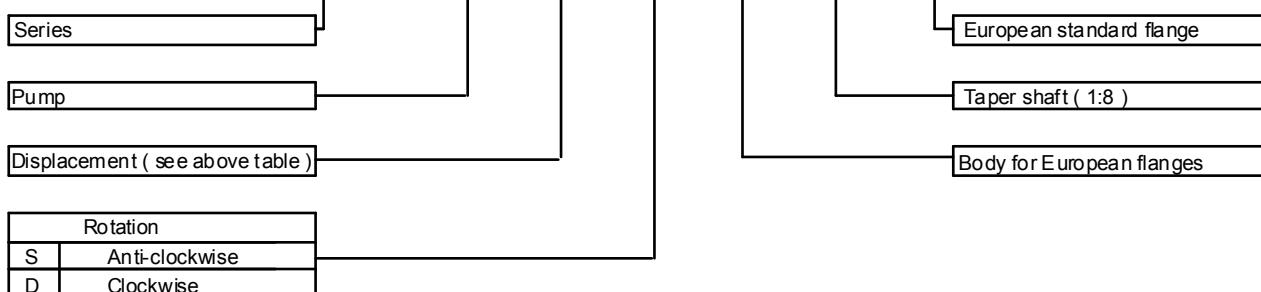
Albero conico ( 1:8 )

Corpo con bocche a flangia

DISPONIBILE PER QUANTITA'

**GROUP 1 PUMPS- EUROPEAN STANDARD**
**VERSION: B18 P1**


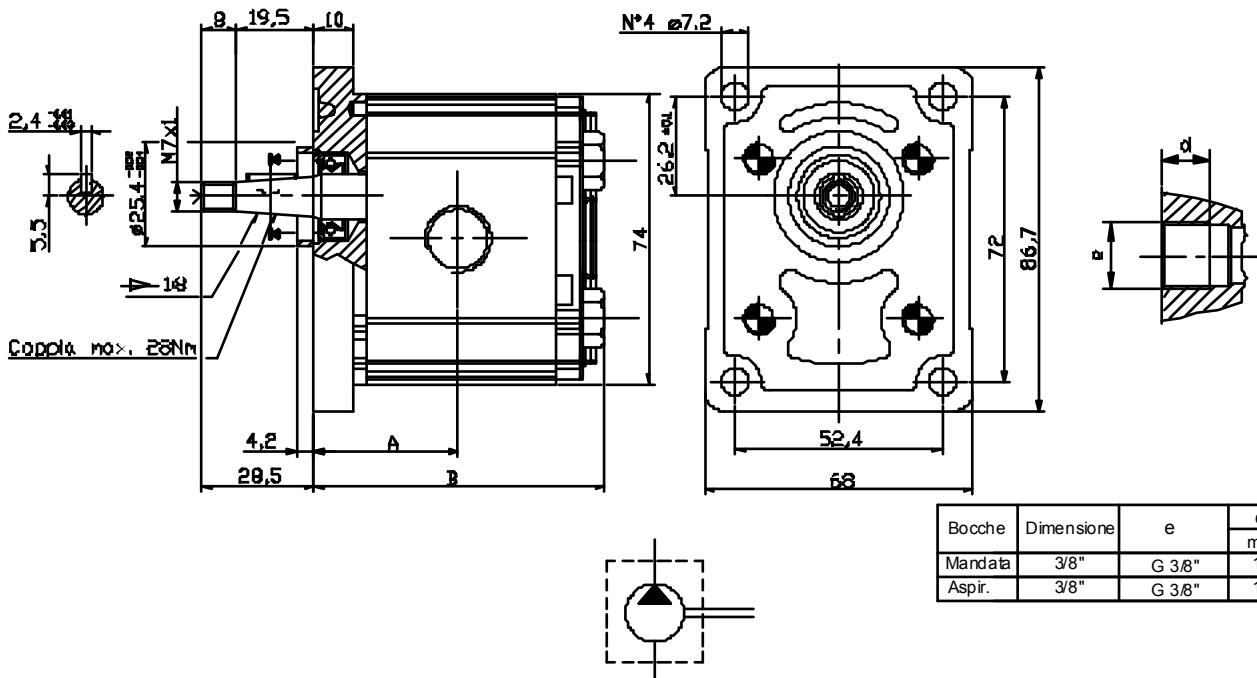
Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m.)	Dimension A   B (mm)		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A	B			
OT100 P07	0.73	200	240	5000	31.30	64.5	1.8	PS1007081S	PS1007081D
OT100 P11	1.05	250	290	5000	31.90	65.6	2.4	PS1007082S	PS1007082D
OT100 P16	1.45	260	300	5000	32.75	67.3	4.2	PS1007083S	PS1007083D
OT100 P20	1.80	260	300	5000	33.45	68.7	5.2	PS1007084S	PS1007084D
OT100 P25	2.45	260	300	5000	34.50	70.8	6.7	PS1007085S	PS1007085D
OT100 P32	3.05	260	300	5000	35.50	72.8	8.3	PS1007086S	PS1007086D
OT100 P40	3.80	260	300	4500	36.90	75.6	10.1	PS1007087S	PS1007087D
OT100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1007088S	PS1007088D
OT100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1007089S	PS1007089D
OT100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1007090S	PS1007090D
OT100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1017091S	PS1017091D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 S / B 18 P1**


AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1- STANDARD EUROPEO

**VERSIONE: G18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione A   B ( mm )		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
					A	B			
OT 100 P07	0.73	200	240	5000	31.30	64.5	1.8	PS1007061S	PS1007061D
OT 100 P11	1.05	240	280	5000	31.90	65.6	2.4	PS1007062S	PS1007062D
OT 100 P16	1.45	260	300	5000	32.75	67.3	4.2	PS1007063S	PS1007063D
OT 100 P20	1.80	260	300	5000	33.45	68.7	5.2	PS1007064S	PS1007064D
OT 100 P25	2.45	260	300	5000	34.50	70.8	6.7	PS1007065S	PS1007065D
OT 100 P32	3.05	260	300	5000	35.50	72.8	8.3	PS1007066S	PS1007066D
OT 100 P40	3.80	260	300	4500	36.90	75.6	10.1	PS1007067S	PS1007067D
OT 100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1007068S	PS1007068D
OT 100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1007069S	PS1007069D
OT 100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1007070S	PS1007070D
OT 100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1017071S	PS1017071D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / G 18 P1

Serie

Pompa

Cilindrata ( vedere tabella )

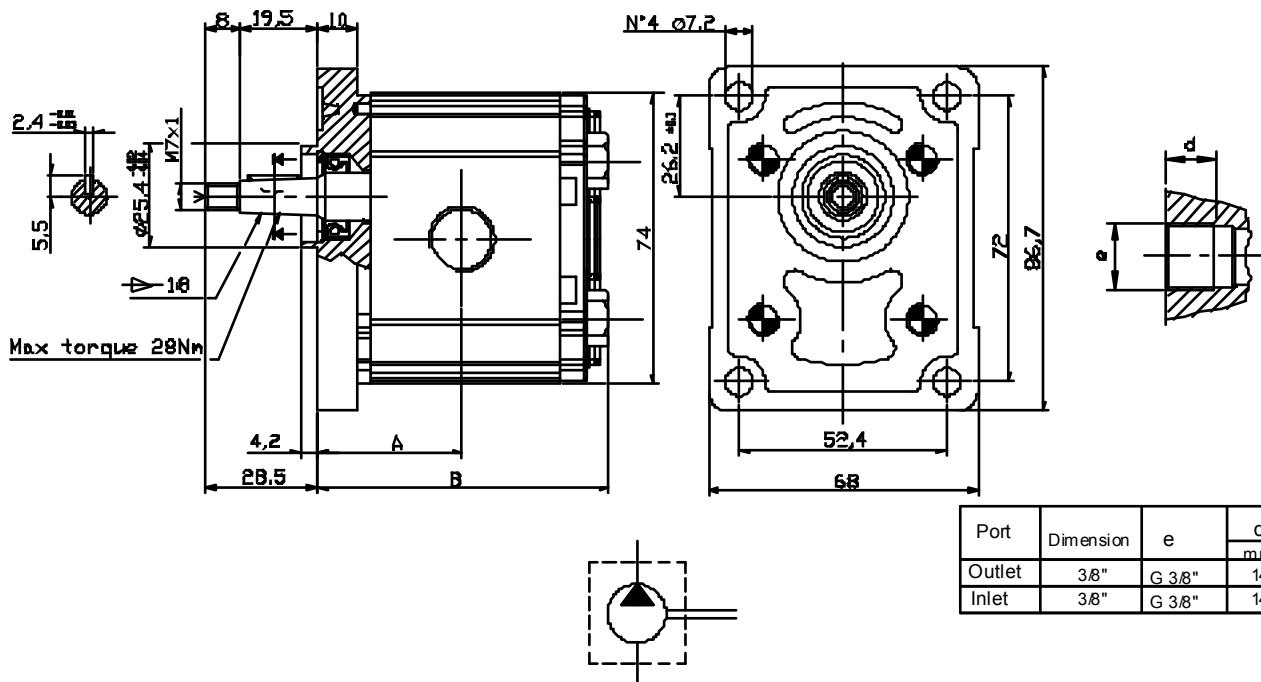
Rotazione	
S	Sinistra
D	Destra

Flangia standard Europeo

Albero conico ( 1:8 )

Corpo con bocche filettate ( GAS )

DISPONIBILE PER QUANTITA'

**GROUP 1 PUMPS- EUROPEAN STANDARD**
**VERSION: G18 P1**


Type	Displacement ( cc/rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( r.p.m )	Dimension A   B ( mm )		Absorbed torque at 150 bar ( Nm )	Code ( Anti-clockwise )	Code ( Clockwise )
					A	B			
OT 100 P07	0.73	200	240	5000	31.30	64.5	1.8	PS1007061S	PS1007061D
OT 100 P11	1.05	240	280	5000	31.90	65.6	2.4	PS1007062S	PS1007062D
OT 100 P16	1.45	260	300	5000	32.75	67.3	4.2	PS1007063S	PS1007063D
OT 100 P20	1.80	260	300	5000	33.45	68.7	5.2	PS1007064S	PS1007064D
OT 100 P25	2.45	260	300	5000	34.50	70.8	6.7	PS1007065S	PS1007065D
OT 100 P32	3.05	260	300	5000	35.50	72.8	8.3	PS1007066S	PS1007066D
OT 100 P40	3.80	260	300	4500	36.90	75.6	10.1	PS1007067S	PS1007067D
OT 100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1007068S	PS1007068D
OT 100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1007069S	PS1007069D
OT 100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1007070S	PS1007070D
OT 100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1017071S	PS1017071D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 S / G 18 P1**

Series

Pump

Displacement ( see above table )

 Rotation
 

S	Anti-clockwise
D	Clockwise

European standard flange

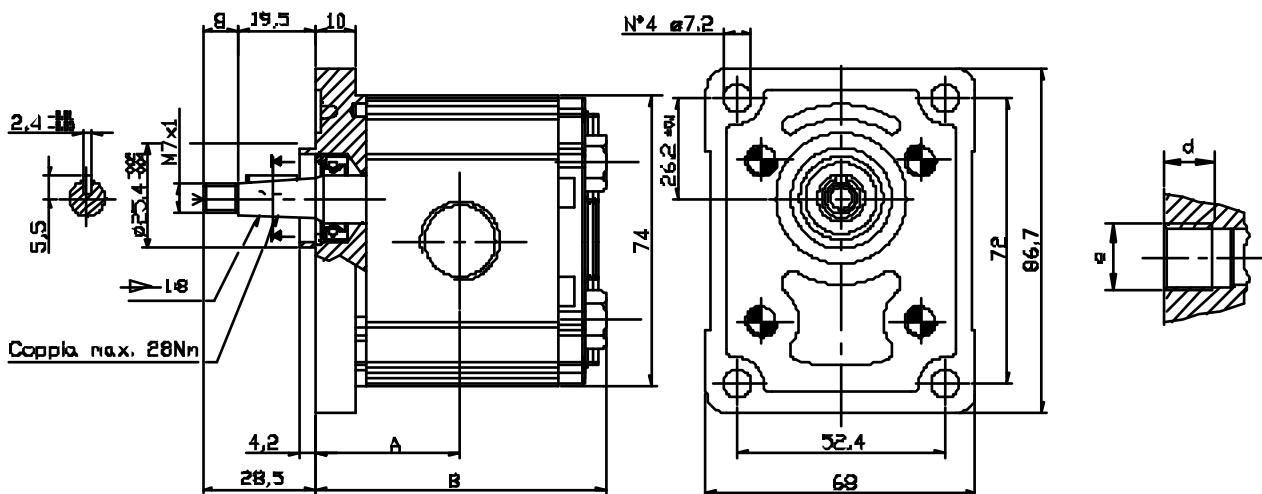
Taper shaft ( 1:8 )

Body with threaded ports ( BSP )

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1- STANDARD EUROPEO

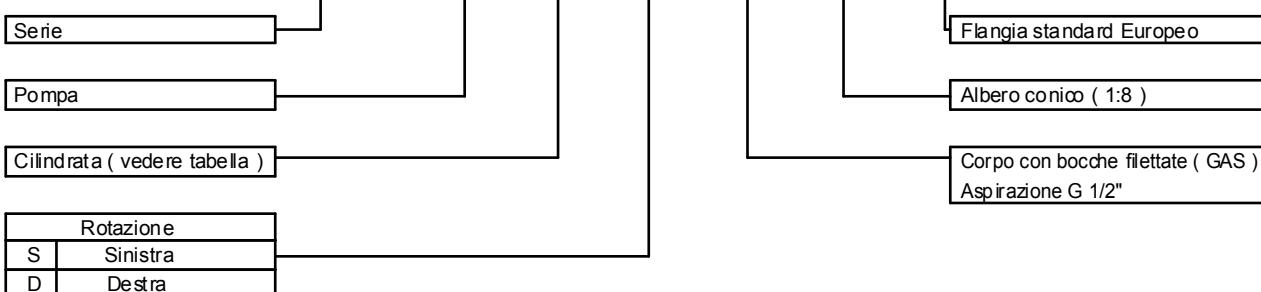
**VERSIONE: G2 18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione A   B ( mm )		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
					A	B			
OT 100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1027035S	PS1027035D
OT 100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1027036S	PS1027036D
OT 100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1027037S	PS1027037D
OT 100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1027038S	PS1027038D

### ESEMPIO DI CODICE D'ORDINAZIONE

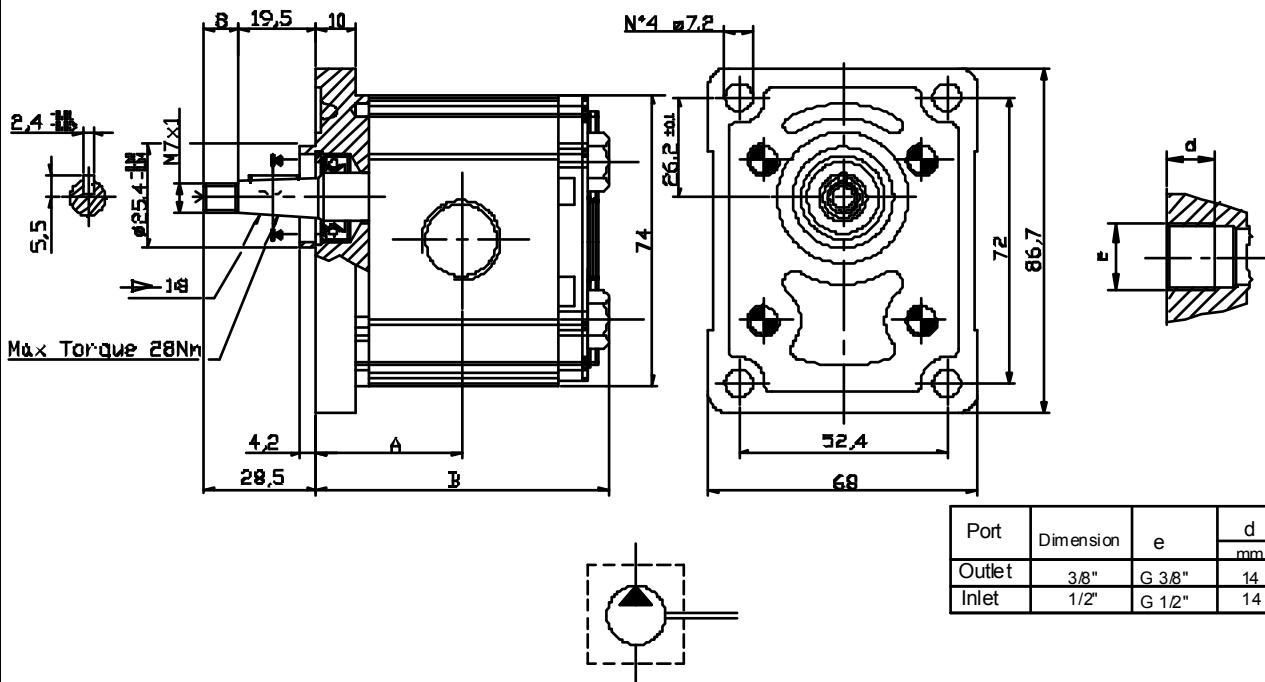
OT100 P 65 S / G2 18 P1



DISPONIBILE PER QUANTITA'

## GROUP 1 PUMPS - EUROPEAN STANDARD

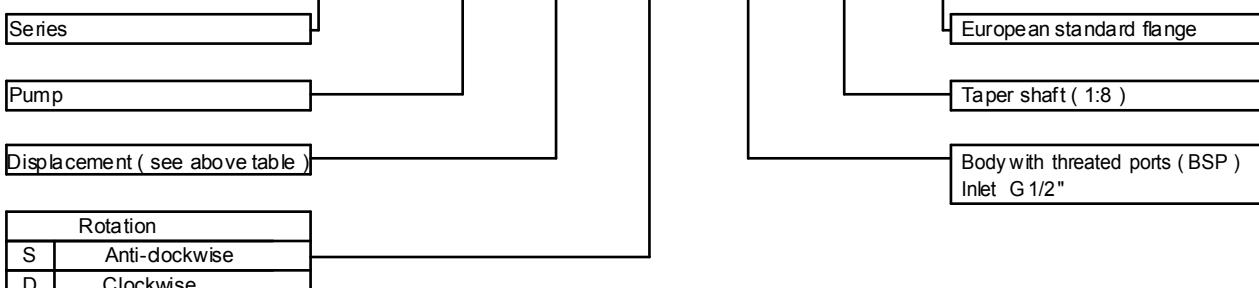
**VERSION: G2 18 P1**



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A	B			
OT 100 P49	4.70	240	280	4500	38.45	78.7	12.7	PS1027035S	PS1027035D
OT 100 P58	5.55	200	240	4000	40.00	81.8	15.0	PS1027036S	PS1027036D
OT 100 P65	6.25	190	230	3750	41.25	84.3	16.8	PS1027037S	PS1027037D
OT 100 P79	7.60	170	220	3500	43.60	89.0	20.5	PS1027038S	PS1027038D

### EXAMPLE OF ORDERING CODE

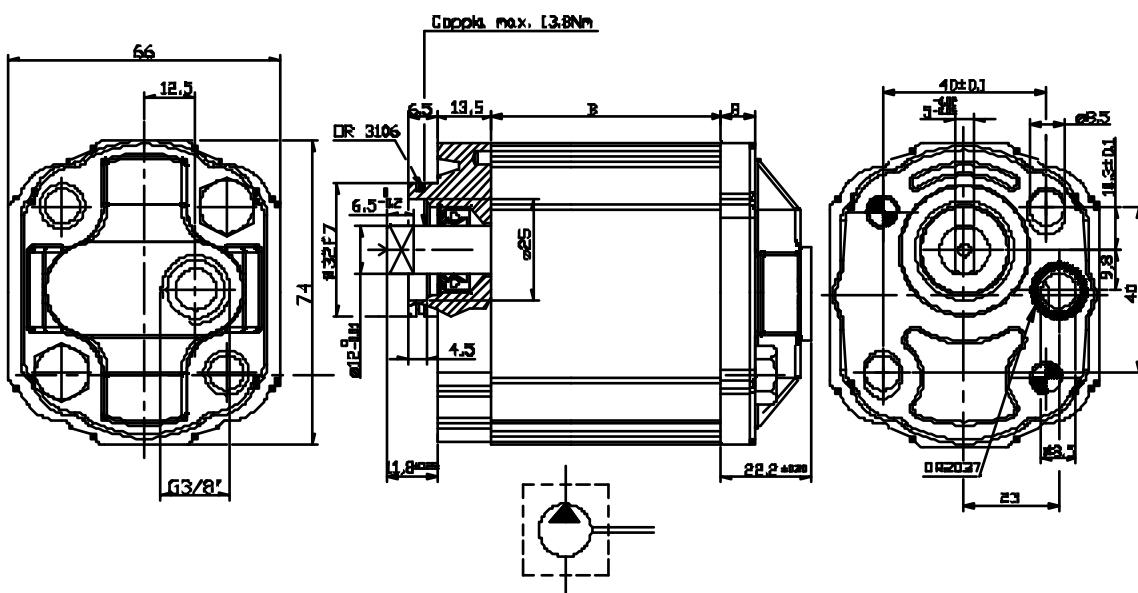
OT100 P 65 S / G2 18 P1



 AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1 - PER MINICENTRALINE

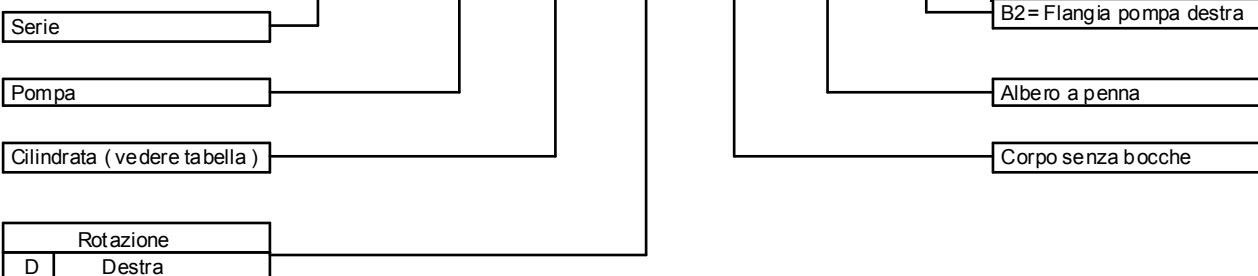
**VERSIONE: N 14 B2**



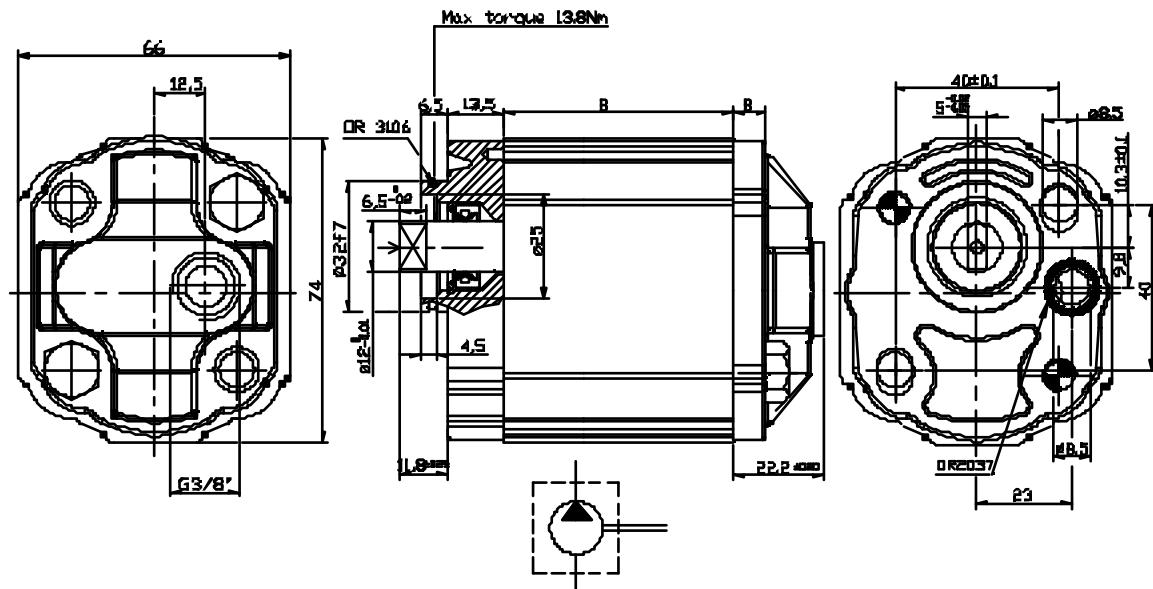
<b>Tipo</b>	<b>Cilindrata ( cc/giro )</b>	<b>Pressione massima continua P1 ( bar )</b>	<b>Pressione di punta P3 ( bar )</b>	<b>Velocita' massima ( giri/min. )</b>	<b>Dimensione B ( mm )</b>	<b>Coppia assorbita a 150 bar ( Nm )</b>	<b>Codice anagrafico ( Rot. Destra )</b>
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007001D
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007002D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007003D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007004D
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007005D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007006D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007007D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007008D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007009D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007010D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017001D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 D / N 14 B2



Coppia di serraggio viti: 28 ± 30 Nm

**GROUP 1 PUMPS- FOR POWER UNITS**
**VERSION: N 14 B2**


Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Clockwise)
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007001D
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007002D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007003D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007004D
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007005D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007006D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007007D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007008D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007009D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007010D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017001D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 D / N 14 B2**

Series

Pump

Displacement ( see above table )

Rotation  
D clockwise

B2= Flange for clockwise

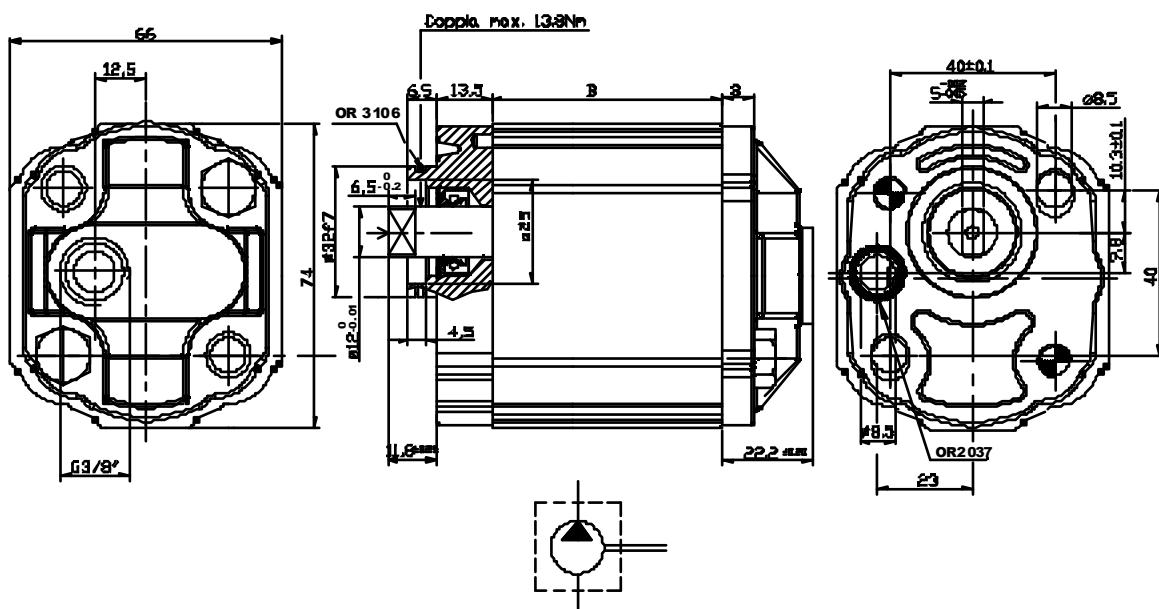
Tang shaft

Body without ports

Screws tightening torque : 28-30 Nm

## POMPE GRUPPO 1 - PER MINICENTRALINE

**VERSIONE: N 14 B1**



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione B (mm)	Coppia assorbita a 150 bar (Nm)	Codice anagrafico (Rot. Sinistra)
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007001S
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007002S
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007003S
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007004S
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007005S
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007006S
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007007S
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007008S
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007009S
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007010S
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017001S

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / N 14 B1

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione  
S Sinistra

B1= Flangia pompa sinistra

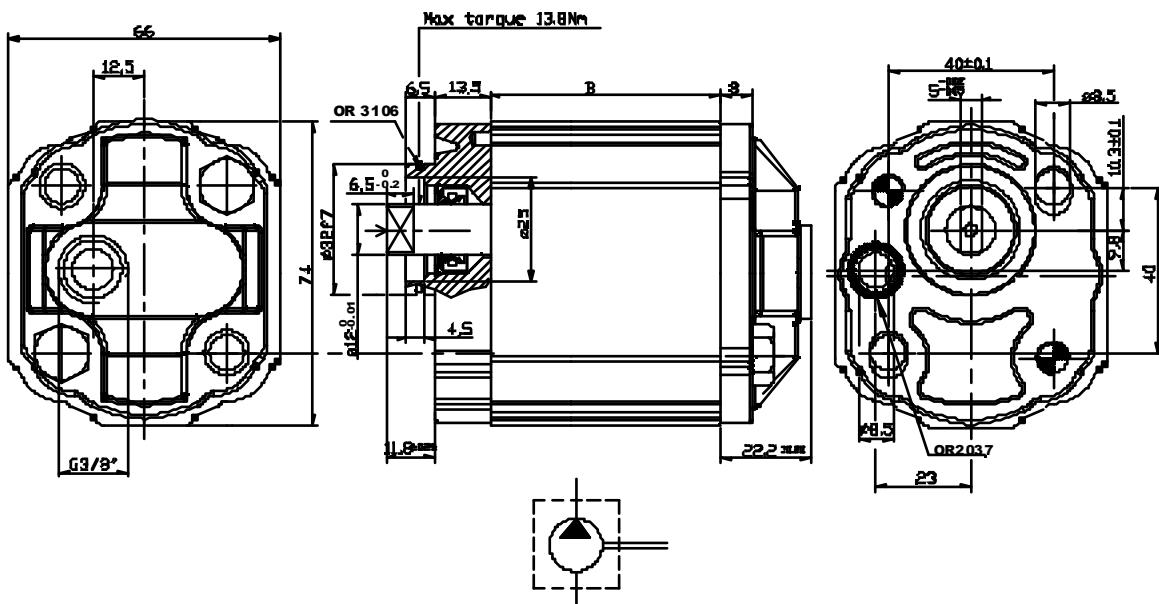
Albero a penne

Corpo senza bocche

Coppia di serraggio viti: 28 : 30 Nm

## GROUP 1 PUMPS FOR POWER UNITS

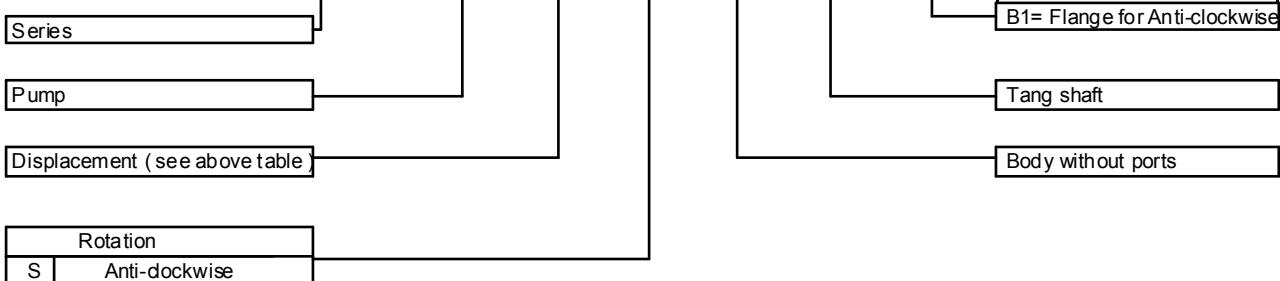
**VERSION: N 14 B1**



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-Clockwise)
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007001S
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007002S
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007003S
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007004S
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007005S
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007006S
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007007S
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007008S
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007009S
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007010S
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017001S

### EXAMPLE OF ORDERING CODE

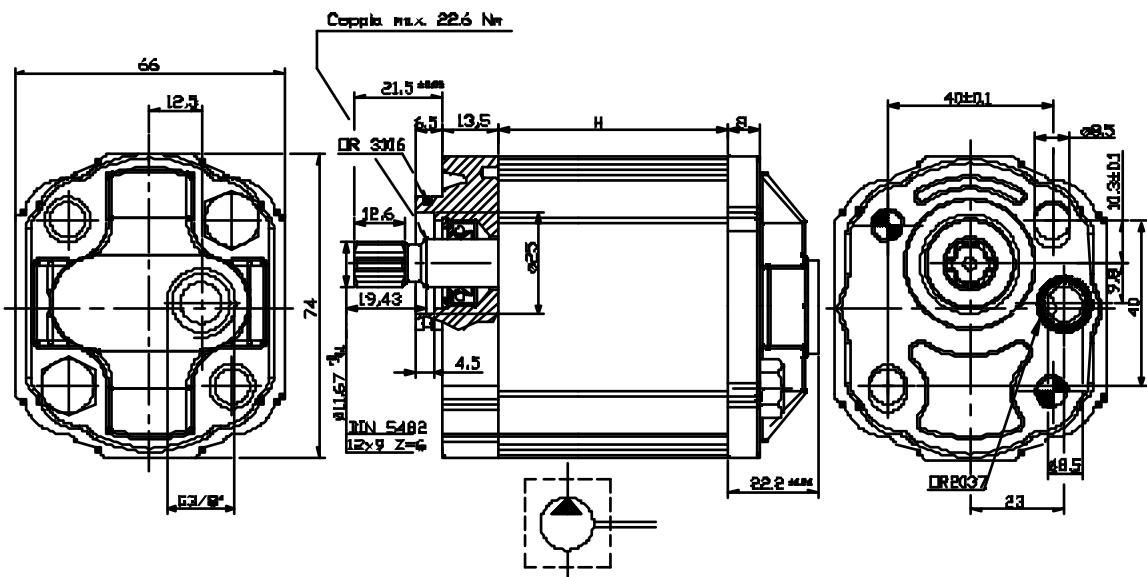
OT100 P 20 S / N 14 B1



Screws tightening torque : 28 ± 30 Nm

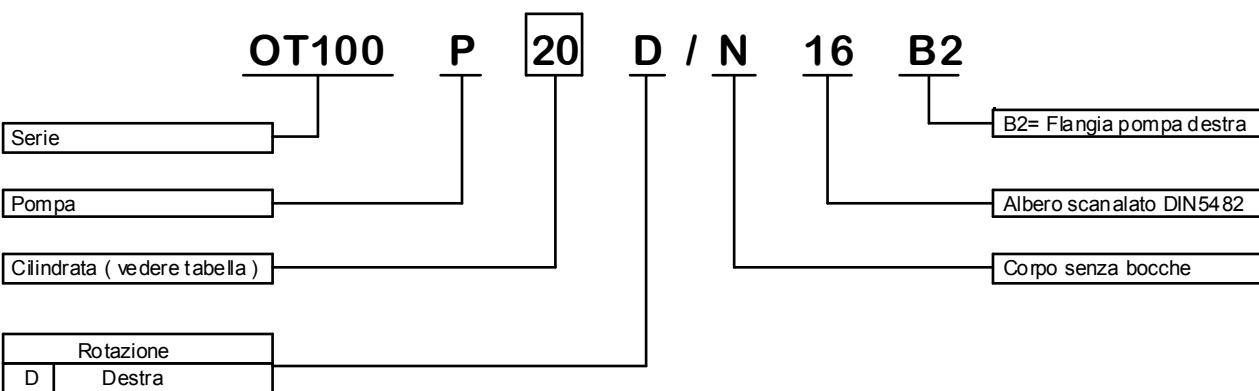
**POMPE GRUPPO 1- PER MINICENTRALINE**

**VERSIONE: N 16 B2**

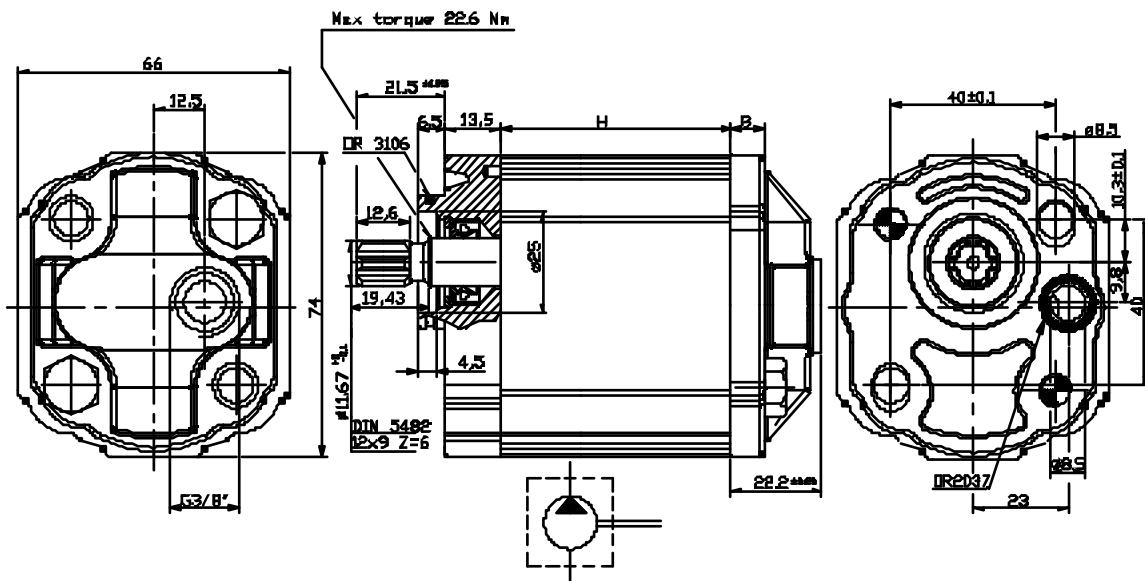


<b>Tipologia</b>	<b>Cilindrata ( cc/giro )</b>	<b>Pressione massima continua P1 ( bar )</b>	<b>Pressione di punta P3 ( bar )</b>	<b>Velocita' massima ( giri/min. )</b>	<b>Dimensione B ( mm )</b>	<b>Coppia assorbita a 150 bar ( Nm )</b>	<b>Codice anagrafico ( Rot. Destra )</b>
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007101D
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007102D
<b>OT 100 P13</b>	1.25	240	280	5000	38.5	2.6	PS1017102D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007103D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007104D
<b>OT 100 P26</b>	2.50	240	280	5000	43.0	6.7	PS1007105D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007106D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007107D
<b>OT 100 P43</b>	4.30	200	240	4500	49.5	12.0	PS1027075D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007108D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007109D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007110D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017111D
<b>OT 100 P99</b>	9.70	130	170	3500	70.0	26.3	PS1027082D

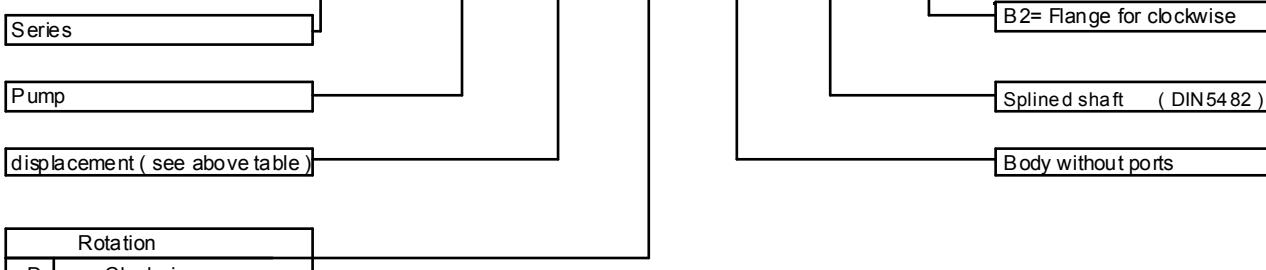
# ESEMPIO DI CODICE D'ORDINAZIONE



 Coppia di serraggio viti: 28 ± 30 Nm

**GROUP 1 PUMPS-  
FOR POWER UNITS**
**VERSION: N 16 B2**


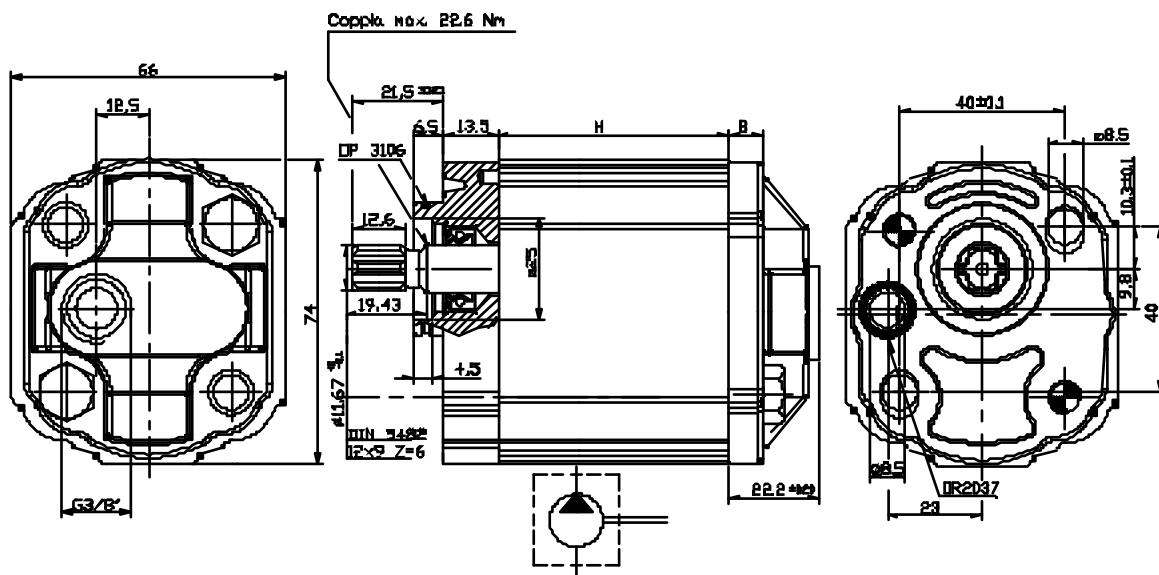
Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Clockwise)
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007101D
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007102D
<b>OT 100 P13</b>	1.25	240	280	5000	38.5	2.4	PS1007102D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007103D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007104D
<b>OT 100 P26</b>	2.50	240	280	5000	43.0	6.7	PS1007105D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007106D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007107D
<b>OT 100 P43</b>	4.30	200	240	4500	49.5	12.0	PS1027075D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007108D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007109D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007110D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017111D
<b>OT 100 P99</b>	9.70	130	170	3500	70.0	26.3	PS1027082D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 D / N 16 B2**


Screws tightening torque : 28 - 30 Nm

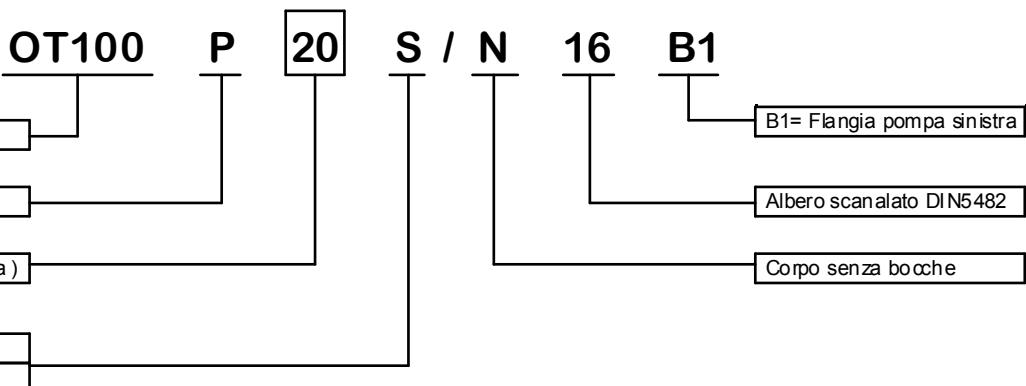
## POMPE GRUPPO 1 - PER MINICENTRALINE

**VERSIONE: N 16 B1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocità massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007101S
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007102S
<b>OT 100 P13</b>	1.25	240	280	5000	38.5	2.6	PS1017102S
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007103S
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007104S
<b>OT 100 P26</b>	2.50	240	280	5000	43.0	6.7	PS1007105S
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007106S
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007107S
<b>OT 100 P43</b>	4.30	200	240	4500	49.5	12.0	PS1027075S
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007108S
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007109S
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007110S
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017111S
<b>OT 100 P99</b>	9.70	130	170	3500	70.0	26.3	PS1027082S

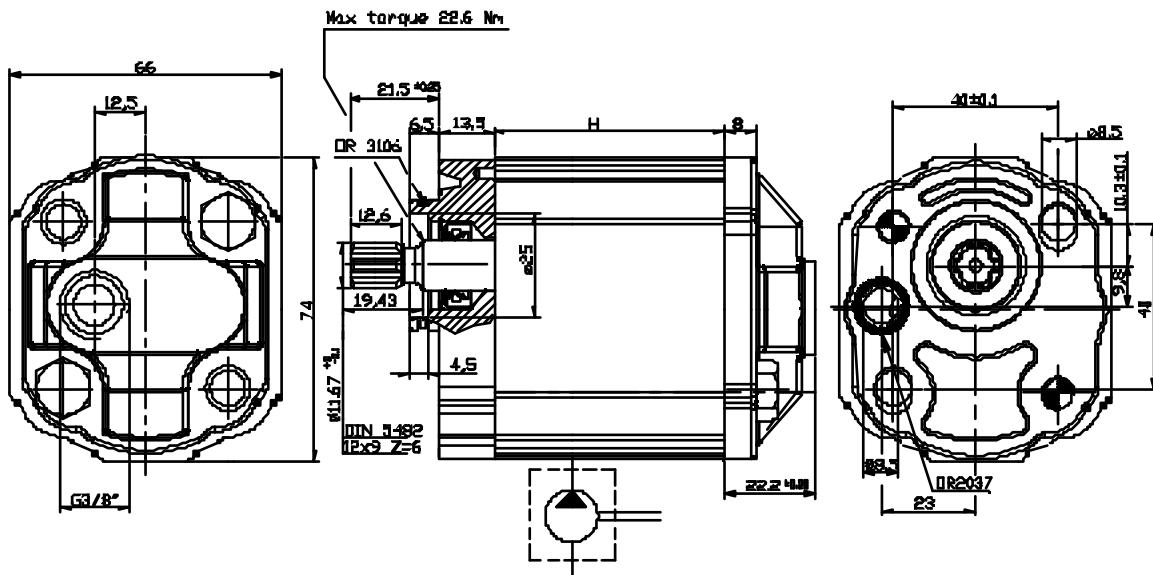
### ESEMPIO DI CODICE D'ORDINAZIONE



Coppia di serraggio viti: 28 ± 30 Nm

## GROUP 1 PUMPS- FOR POWER UNITS

**VERSION: N 16 B1**



Type	Displacement ( cc/ rev)	Max working pressure P1 ( bar)	Peak pressure P3 ( bar)	Max speed ( rpm)	Dimension B ( mm.)	Absorbed torque at 150 bar ( Nm )	Code ( Anti- Clockwise )
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1007101S
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007102S
<b>OT 100 P13</b>	1.25	240	280	5000	38.5	2.4	PS1007102S
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007103S
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007104S
<b>OT 100 P26</b>	2.50	240	280	5000	43.0	6.7	PS1007105S
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007106S
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007107S
<b>OT 100 P43</b>	4.30	200	240	4500	49.5	12.0	PS1027075S
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007108S
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007109S
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007110S
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017111S
<b>OT 100 P99</b>	9.70	130	170	3500	70.0	26.3	PS1027082S

### EXAMPLE OF ORDERING CODE

OT100 P 20 S / N 16 B1

Series

Pump

displacement ( see above table )

Rotation  
S | Anticlockwise

B1= Flange for anticlockwise

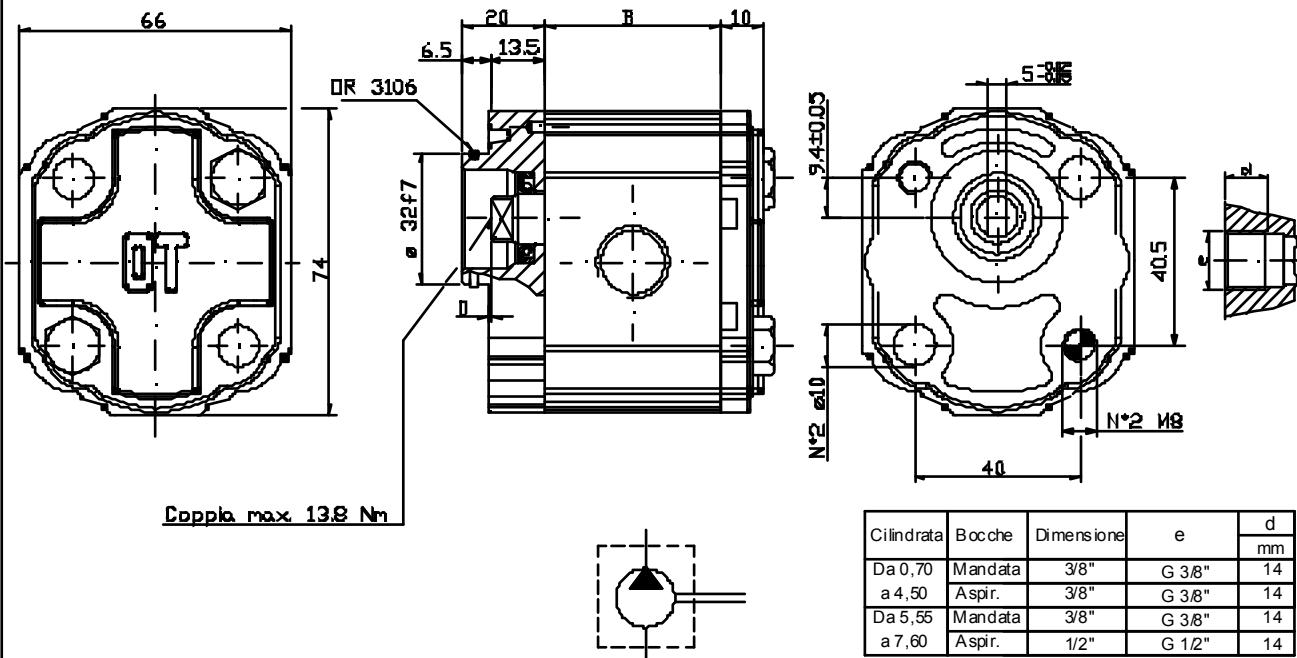
Splined shaft ( DIN5482 )

Body without ports

Screws tightening torque : 28■ 30 Nm

## POMPE GRUPPO 1 - PER MINICENTRALINE

**VERSIONE: G13 B0**



tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
OT 100 P07	0.73	200	240	5000	36.7	1.8	PS1007031S	PS1007031D
OT 100 P11	1.05	240	280	5000	37.8	2.4	PS1007032S	PS1007032D
OT 100 P16	1.45	260	300	5000	39.5	4.2	PS1007033S	PS1007033D
OT 100 P20	1.80	240	300	5000	40.9	5.2	PS1007034S	PS1007034D
OT 100 P26	2.50	240	280	5000	43.0	6.7	PS1007035S	PS1007035D
OT 100 P32	3.05	240	280	5000	45.0	8.3	PS1007036S	PS1007036D
OT 100 P40	3.80	220	260	4500	47.8	10.1	PS1007037S	PS1007037D
OT 100 P49	4.70	200	240	4500	50.9	12.7	PS1007038S	PS1007038D
OT 100 P58	5.55	180	220	4000	54.0	15.0	PS1007039S	PS1007039D
OT 100 P65	6.25	160	200	3750	56.5	16.8	PS1007040S	PS1007040D
OT 100 P79	7.60	140	180	3500	61.2	20.5	PS1017031S	PS1017031D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 26 S / G 13 B0

Serie

Pompa

Cilindrata ( vedi tabella )

Rotazione

S Sinistra

D Destra

Flangia neutra

Albero a penna ( tipo corto )

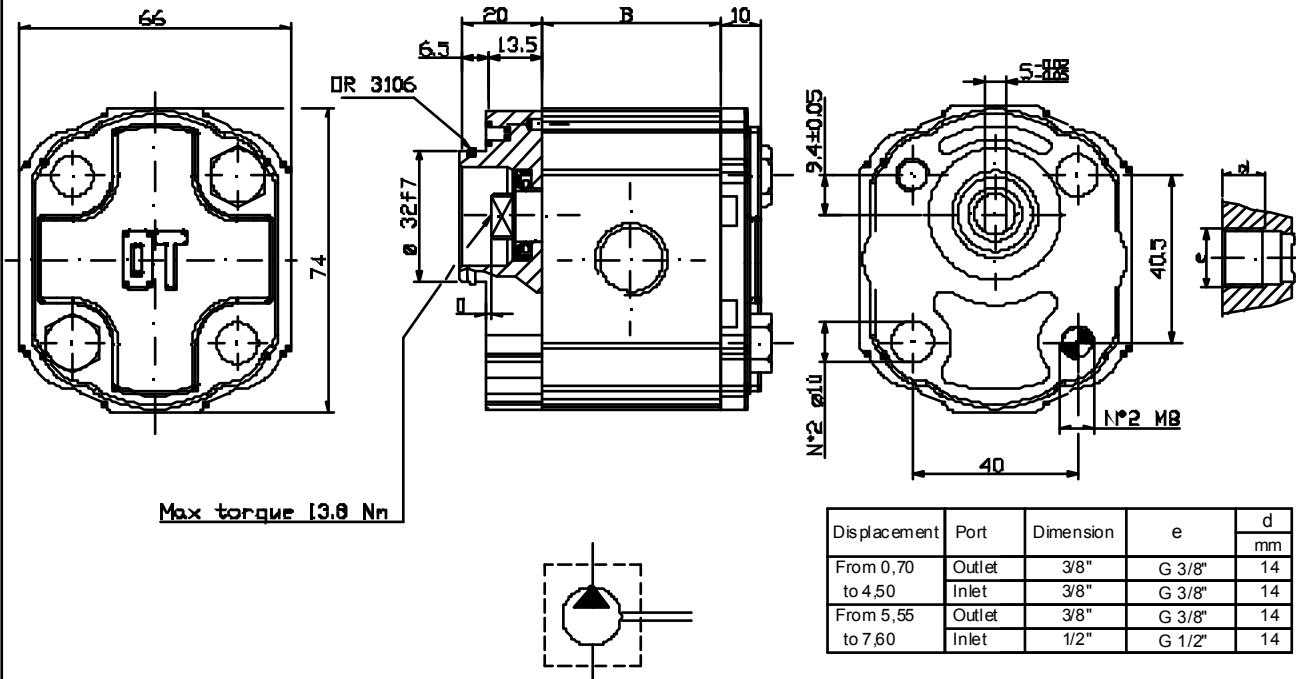
Corpo con bocche filettate ( GAS )

Coppia di serraggio viti: 28 ± 30 Nm

DISPONIBILE PER QUANTITA'

## GROUP 1 PUMPS- FOR POWER UNITS

**VERSION: G 13 B0**



Type	Displacement ( cc/ rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( rpm )	Dimension B ( mm )	Absorbed torque at 150 bar ( Nm )	Code ( Anti-clockwise )	Code ( Clockwise )
OT 100 P07	0.73	200	240	5000	36.7	1.8	PS1007031S	PS1007031D
OT 100 P11	1.05	240	280	5000	37.8	2.4	PS1007032S	PS1007032D
OT 100 P16	1.45	260	300	5000	39.5	4.2	PS1007033S	PS1007033D
OT 100 P20	1.80	240	300	5000	40.9	5.2	PS1007034S	PS1007034D
OT 100 P26	2.50	240	280	5000	43.0	6.7	PS1007035S	PS1007035D
OT 100 P32	3.05	240	280	5000	45.0	8.3	PS1007036S	PS1007036D
OT 100 P40	3.80	220	260	4500	47.8	10.1	PS1007037S	PS1007037D
OT 100 P49	4.70	200	240	4500	50.9	12.7	PS1007038S	PS1007038D
OT 100 P58	5.55	180	220	4000	54.0	15.0	PS1007039S	PS1007039D
OT 100 P65	6.25	160	200	3750	56.5	16.8	PS1007040S	PS1007040D
OT 100 P79	7.60	140	180	3500	61.2	20.5	PS1017031S	PS1017031D

### EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 13 B0

Series

Pump

displacement ( see above table )

Rotation

S	Anti-clockwise
D	Clockwise

20

S / G

13

B0

Neutral flange

Tang shaft short type

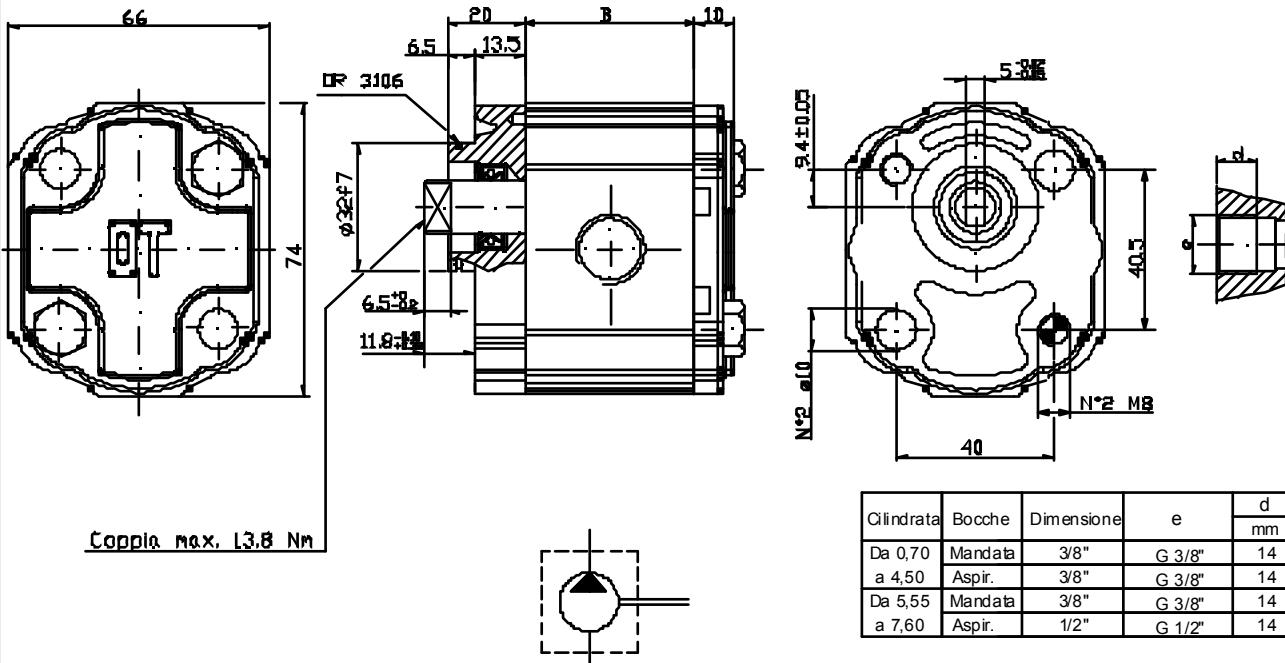
Body with threaded ports ( BSP )

Screws tightening torque : 28 ± 30 Nm

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1- PER MINICENTRALINE

**VERSIONE: G14 B0**



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione B (mm)	Coppia assorbita a 150 bar (Nm)	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
<b>OT 100 P07</b>	0.73	200	240	5000	36.7	1.8	PS1017001S	PS1017001D
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1017002S	PS1017002D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1017003S	PS1017003D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1017004S	PS1017004D
<b>OT 100 P26</b>	2.50	240	280	5000	43.0	6.7	PS1017005S	PS1017005D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1017006S	PS1017006D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1017007S	PS1017007D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1017008S	PS1017008D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1017009S	PS1017009D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1017010S	PS1017010D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017012S	PS1017012D

### ESEMPIO DI CODICE D'ORDINAZIONE

**OT100 P 20 S / G 14 B0**

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione  
 S Sinistra  
 D Destra

Flangia neutra

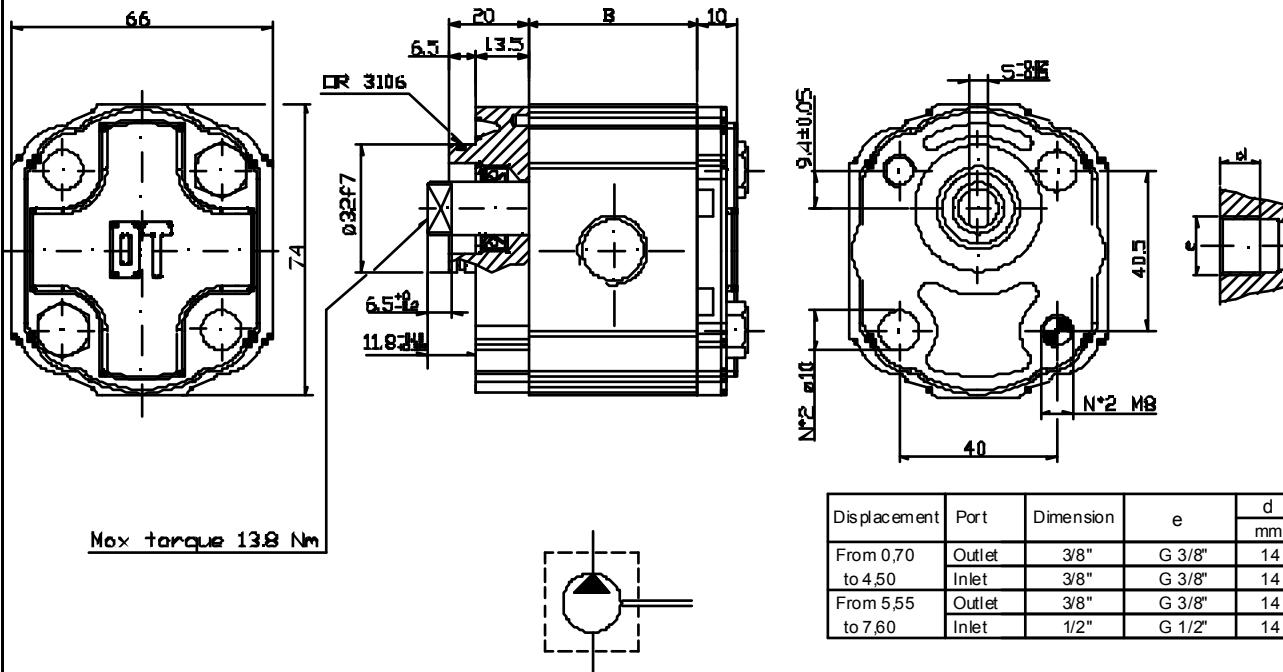
Albero a penna

Corpo con bocche filettate ( GAS )

Coppia di serraggio viti: 28 ± 30 Nm

## GROUP 1 PUMPS FOR POWER UNITS

**VERSION : G14 B0**



Type	Displacement (cc/ rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
<b>OT 100 P 07</b>	0.73	200	240	5000	36.7	1.8	PS1017001S	PS1017001D
<b>OT 100 P 11</b>	1.05	240	280	5000	37.8	2.4	PS1017002S	PS1017002D
<b>OT 100 P 16</b>	1.45	260	300	5000	39.5	4.2	PS1017003S	PS1017003D
<b>OT 100 P 20</b>	1.80	240	300	5000	40.9	5.2	PS1017004S	PS1017004D
<b>OT 100 P 26</b>	2.50	240	280	5000	43.0	6.7	PS1017005S	PS1017005D
<b>OT 100 P 32</b>	3.05	240	280	5000	45.0	8.3	PS1017006S	PS1017006D
<b>OT 100 P 40</b>	3.80	220	260	4500	47.8	10.1	PS1017007S	PS1017007D
<b>OT 100 P 49</b>	4.70	200	240	4500	50.9	12.7	PS1017008S	PS1017008D
<b>OT 100 P 58</b>	5.55	180	220	4000	54.0	15.0	PS1017009S	PS1017009D
<b>OT 100 P 65</b>	6.25	160	200	3750	56.5	16.8	PS1017010S	PS1017010D
<b>OT 100 P 79</b>	7.60	140	180	3500	61.2	20.5	PS1017012S	PS1017012D

### EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 14 B0

Series

Pump

displacement (see above table)

Rotation

S	Anti-clockwise
D	Clockwise

Neutral flange

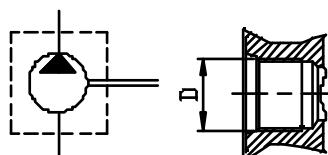
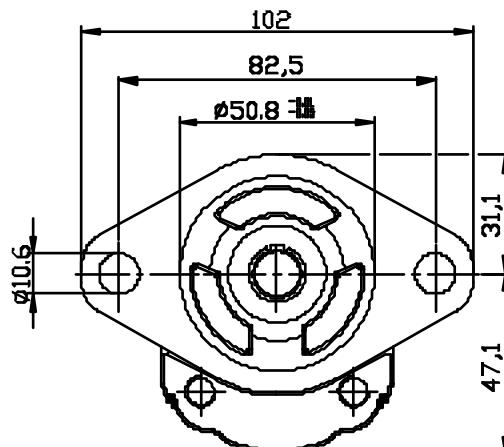
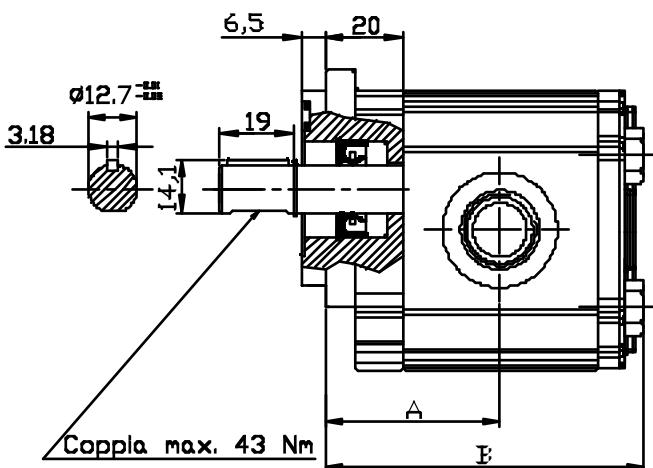
Tang shaft

Body with threaded ports (BSP)

Screws tightening torque : 28 - 30 Nm

## POMPE GRUPPO 1 - UNIFICAZIONE SAE " AA "

**VERSIONE: R 11 S1**



Porte	D
Mandata	9/16-18 UNF (SAE 6)
Aspirazione	3/4-16 UNF (SAE8)

Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensioni A      B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
OT 100 P07	0.73	200	240	5000	38.35 69.00	1.8	PS1007120S	PS1007120D
OT 100 P11	1.05	240	280	5000	38.90 70.10	2.4	PS1007121S	PS1007121D
OT 100 P16	1.45	260	300	5000	39.75 71.80	4.2	PS1007122S	PS1007122D
OT 100 P20	1.80	260	300	5000	40.45 72.75	5.2	PS1007123S	PS1007123D
OT 100 P25	2.50	260	300	5000	41.50 75.30	6.7	PS1007124S	PS1007124D
OT 100 P32	3.05	260	300	5000	42.50 77.30	8.3	PS1007125S	PS1007125D
OT 100 P40	3.80	260	300	4500	43.90 80.10	10.1	PS1007126S	PS1007126D
OT 100 P49	4.70	240	280	4500	45.45 83.20	12.7	PS1007127S	PS1007127D
OT 100 P58	5.55	200	240	4000	47.00 86.30	15.0	PS1007128S	PS1007128D
OT 100 P65	6.25	190	230	3750	48.25 88.80	16.8	PS1007129S	PS1007129D
OT 100 P79	7.60	170	220	3500	50.60 93.50	20.5	PS1007130S	PS1007130D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / R 11 S1

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione	
S	Sinistra
D	Destra

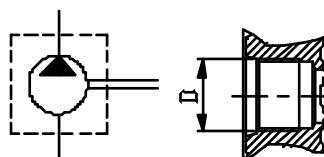
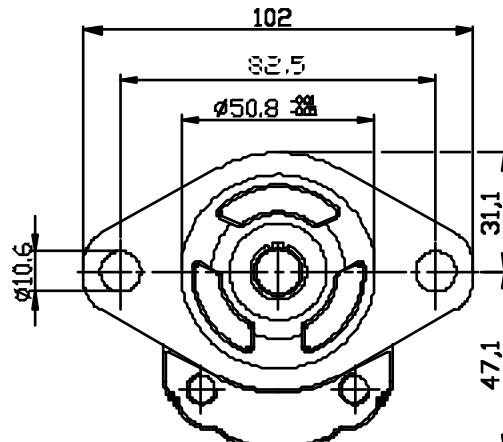
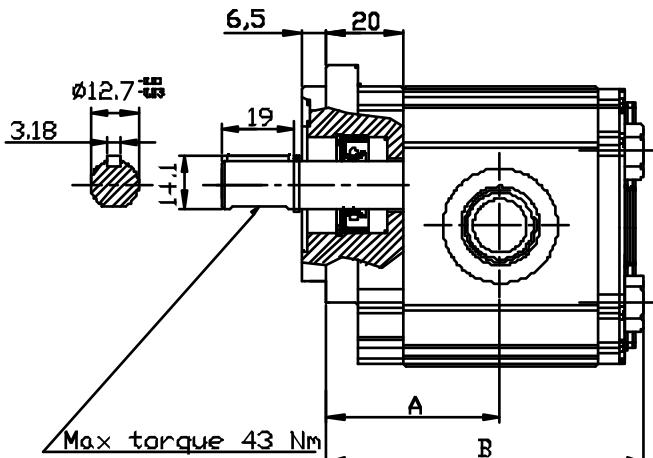
Flangia SAE "AA" 2 fori

Albero cilindrico SAE "AA"

Corpo con bocche O-Ring boss

Coppia di serraggio viti : 28 : 30 Nm

DISPONIBILE PER QUANTITA'

**GROUP 1 PUMPS- SAE "AA" STANDARD**
**VERSION: R11S1**


Port	D
Outlet	9/16-18 UNF (SAE 6)
Inlet	3/4 -16 UNF (SAE8)

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A   B		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A (mm)	B (mm)			
OT 100 P07	0.73	200	240	5000	38.35	69.00	1.8	PS1007120S	PS1007120D
OT 100 P11	1.05	240	280	5000	38.90	70.10	2.4	PS1007121S	PS1007121D
OT 100 P16	1.55	260	300	5000	39.75	71.80	4.2	PS1007122S	PS1007122D
OT 100 P20	1.90	260	300	5000	40.45	72.75	5.2	PS1007123S	PS1007123D
OT 100 P25	2.50	260	300	5000	41.50	75.30	6.7	PS1007124S	PS1007124D
OT 100 P32	3.10	260	300	5000	42.50	77.30	8.3	PS1007125S	PS1007125D
OT 100 P40	3.80	260	300	4500	43.90	80.10	10.1	PS1007126S	PS1007126D
OT 100 P49	4.70	240	280	4500	45.45	83.20	12.7	PS1007127S	PS1007127D
OT 100 P58	5.55	200	240	4000	47.00	86.30	15.0	PS1007128S	PS1007128D
OT 100 P65	6.25	190	230	3750	48.25	88.80	16.8	PS1007129S	PS1007129D
OT 100 P79	7.60	170	220	3500	50.60	93.50	20.5	PS1007130S	PS1007130D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 S / R 11 S1**

Series

Pump

Displacement ( see above table )

Rotation	
S	Anti-clockwise
D	Clockwise

SAE- AA flange 2 bolts

SAE AA cylindrical shaft

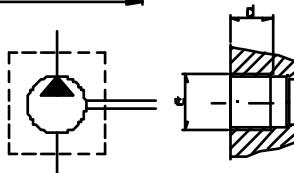
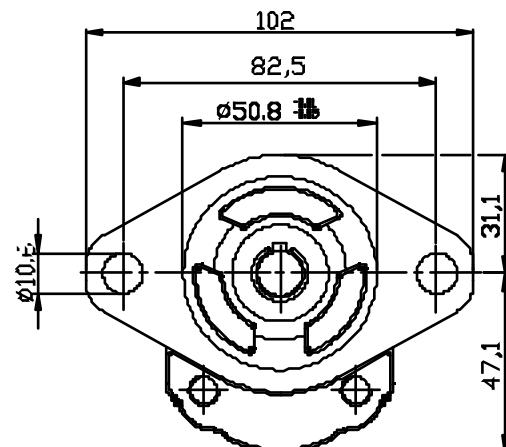
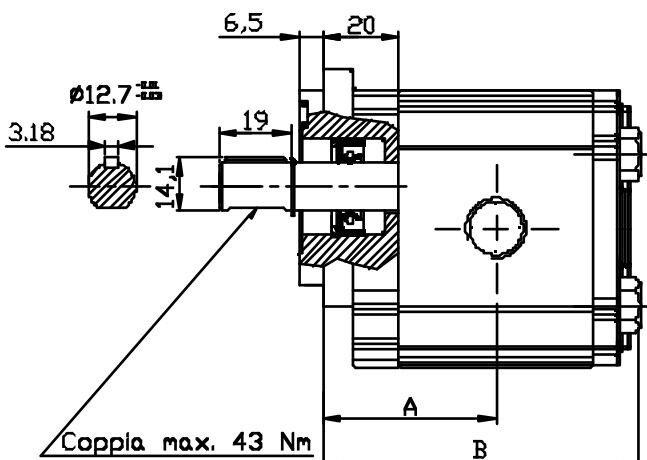
Body with O-ring boss ports

Screws tightening torque : 28 ± 30 Nm

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1 - UNIFICAZIONE SAE " AA "

**VERSIONE: G 11 S1**



Cilindrata ( cc/giro )	Bocche	Dimensione	e	d mm
Da 0,70 a 4,50	Mandata Aspir.	3/8"	G 3/8"	14
Da 5,55 a 7,60	Mandata Aspir.	3/8"	G 3/8"	14
		1/2"	G 1/2"	14

Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensioni A B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
OT 100 P 07	0.73	200	240	5000	38.35 69.00	1.8	PS1007131S	PS1007131D
OT 100 P 11	1.05	240	280	5000	38.90 70.10	2.4	PS1007132S	PS1007132D
OT 100 P 16	1.45	260	300	5000	39.75 71.80	4.2	PS1007133S	PS1007133D
OT 100 P 20	1.80	260	300	5000	40.45 72.75	5.2	PS1007134S	PS1007134D
OT 100 P 25	2.50	260	300	5000	41.50 75.30	6.7	PS1007135S	PS1007135D
OT 100 P 32	3.05	260	300	5000	42.50 77.30	8.3	PS1007136S	PS1007136D
OT 100 P 40	3.80	260	300	4500	43.90 80.10	10.1	PS1007137S	PS1007137D
OT 100 P 49	4.70	240	280	4500	45.45 83.20	12.7	PS1007138S	PS1007138D
OT 100 P 58	5.55	200	240	4000	47.00 86.30	15.0	PS1007139S	PS1007139D
OT 100 P 65	6.25	190	230	3750	48.25 88.80	16.8	PS1007140S	PS1007140D
OT 100 P 79	7.60	170	220	3500	50.60 93.50	20.5	PS1007141S	PS1007141D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / G 11 S1

Serie

Flangia SAE "AA" 2 fori

Pompa

Albero cilindrico SAE "AA"

Cilindrata ( vedere tabella )

Corpo con bocche filettate BSP

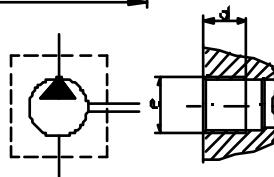
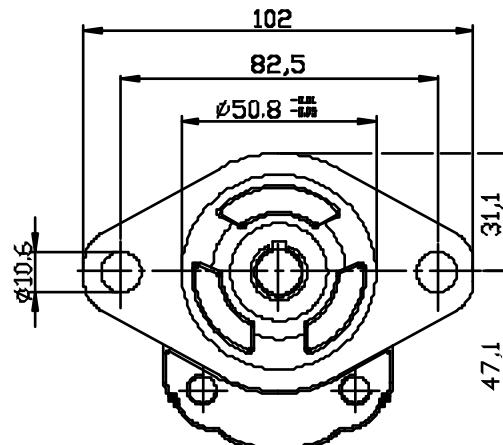
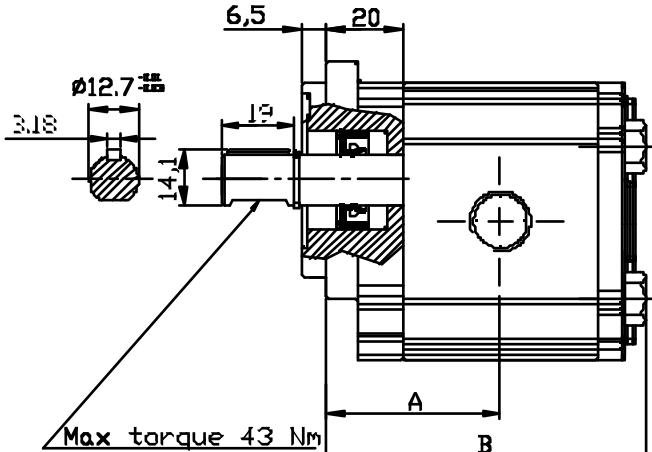
Rotazione	
S	Sinistra
D	Destra

Coppia di serraggio viti : 28 - 30 Nm

DISPONIBILE PER QUANTITA'

## GROUP 1 PUMPS- SAE "AA" STANDARD

**VERSION: G11S1**



Displacement	Port	Dimension	e	d mm
From 0,70 to 4,50	Outlet	3/8"	G 3/8"	14
	Inlet	3/8"	G 3/8"	14
From 5,55 to 7,60	Outlet	3/8"	G 3/8"	14
	Inlet	1/2"	G 1/2"	14

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A   B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
OT 100 P07	0.73	200	240	5000	38.35   69.00	1.8	PS1007131S	PS1007131D
OT 100 P11	1.05	240	280	5000	38.90   70.10	2.4	PS1007132S	PS1007132D
OT 100 P16	1.55	260	300	5000	39.75   71.80	4.2	PS1007133S	PS1007133D
OT 100 P20	1.90	260	300	5000	40.45   72.75	5.2	PS1007134S	PS1007134D
OT 100 P25	2.50	260	300	5000	41.50   75.30	6.7	PS1007135S	PS1007135D
OT 100 P32	3.10	260	300	5000	42.50   77.30	8.3	PS1007136S	PS1007136D
OT 100 P40	3.80	260	300	4500	43.90   80.10	10.1	PS1007137S	PS1007137D
OT 100 P49	4.70	240	280	4500	45.45   83.20	12.7	PS1007138S	PS1007138D
OT 100 P58	5.55	200	240	4000	47.00   86.30	15.0	PS1007139S	PS1007139D
OT 100 P65	6.25	190	230	3750	48.25   88.80	16.8	PS1007140S	PS1007140D
OT 100 P79	7.60	170	220	3500	50.60   93.50	20.5	PS1007141S	PS1007141D

### EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 11 S1

Series

Pump

Displacement ( see above table )

Rotation

S	Anti-clockwise
D	Clockwise

SAE- AA flange 2 bolts

SAE AA cylindrical shaft

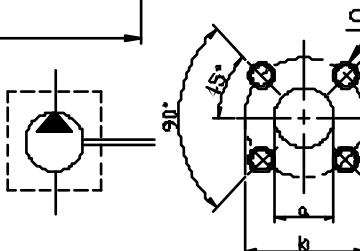
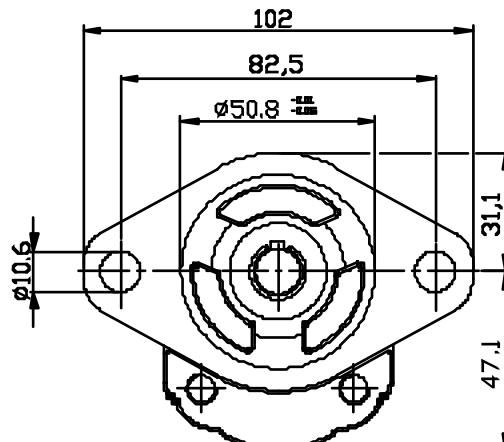
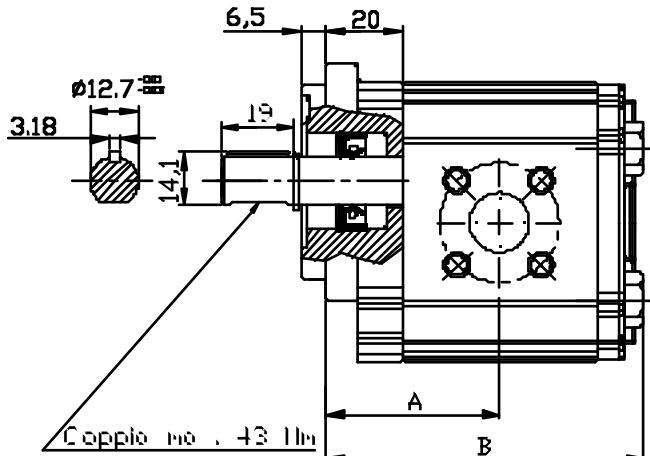
Body with threaded ports ( BSP )

Screws tightening torque : 28 - 30 Nm

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1 - UNIFICAZIONE SAE " AA "

**VERSIONE: B 11 S1**



Bocca	a mm	b mm	c Filet.
Mandata	13	30	M6x12
Aspir.	13	30	M6x12

Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensioni A      B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
OT 100 P 07	0.73	200	240	5000	38.35    69.00	1.8	PS1007142S	PS1007142D
OT 100 P 11	1.05	240	280	5000	38.90    70.10	2.4	PS1007143S	PS1007143D
OT 100 P 16	1.45	260	300	5000	39.75    71.80	4.2	PS1007144S	PS1007144D
OT 100 P 20	1.80	260	300	5000	40.45    72.75	5.2	PS1007145S	PS1007145D
OT 100 P 25	2.50	260	300	5000	41.50    75.30	6.7	PS1007146S	PS1007146D
OT 100 P 32	3.05	260	300	5000	42.50    77.30	8.3	PS1007147S	PS1007147D
OT 100 P 40	3.80	260	300	4500	43.90    80.10	10.1	PS1007148S	PS1007148D
OT 100 P 49	4.70	240	280	4500	45.45    83.20	12.7	PS1007149S	PS1007149D
OT 100 P 58	5.55	200	240	4000	47.00    86.30	15.0	PS1007150S	PS1007150D
OT 100 P 65	6.25	190	230	3750	48.25    88.80	16.8	PS1007151S	PS1007151D
OT 100 P 79	7.60	170	220	3500	50.60    93.50	20.5	PS1007152S	PS1007152D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / B 11 S1

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione	
S	Sinistra
D	Destra

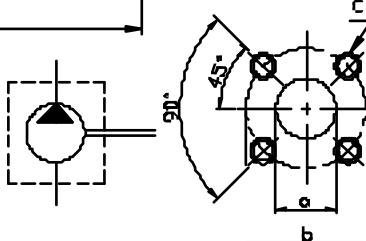
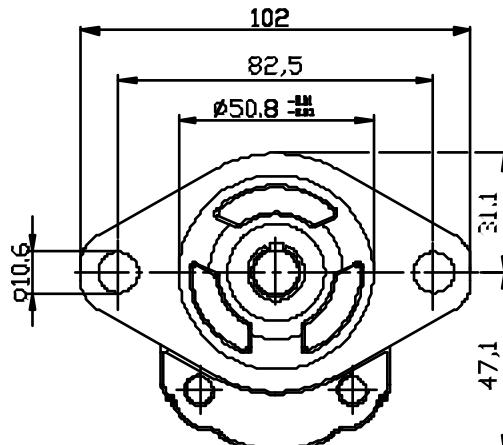
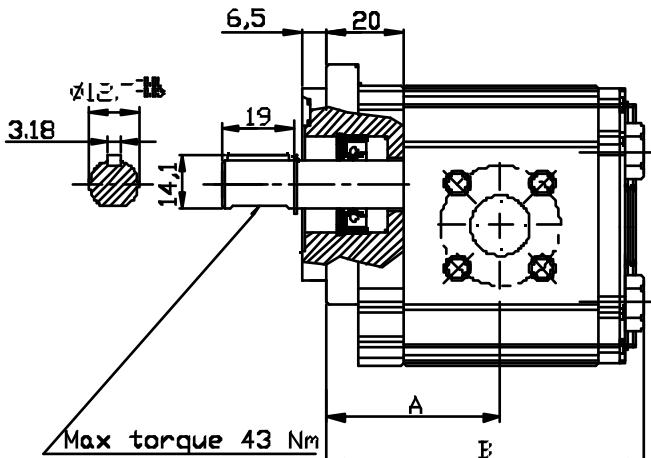
Flangia SAE "AA" 2 fori

Albero cilindrico SAE "AA"

Corpo con bocche a flangia

Coppia di serraggio viti : 28 : 30 Nm

DISPONIBILE PER QUANTITA'

**GROUP 1 PUMPS- SAE "AA" STANDARD**
**VERSION: B 11 S1**


Port	a mm	b mm	c Filet.
Outlet	13	30	M6x12
Inlet	13	30	M6x12

Type	Displacement ( cc/rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( r.p.m )	Dimension B		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A ( mm )	B ( mm )			
OT 100 P07	0.73	200	240	5000	38.35	69.00	1.8	PS1007142S	PS1007142D
OT 100 P11	1.05	240	280	5000	38.90	70.10	2.4	PS1007143S	PS1007143D
OT 100 P16	1.55	260	300	5000	39.75	71.80	4.2	PS1007144S	PS1007144D
OT 100 P20	1.90	260	300	5000	40.45	72.75	5.2	PS1007145S	PS1007145D
OT 100 P25	2.50	260	300	5000	41.50	75.30	6.7	PS1007146S	PS1007146D
OT 100 P32	3.10	260	300	5000	42.50	77.30	8.3	PS1007147S	PS1007147D
OT 100 P40	3.80	260	300	4500	43.90	80.10	10.1	PS1007148S	PS1007148D
OT 100 P49	4.70	240	280	4500	45.45	83.20	12.7	PS1007149S	PS1007149D
OT 100 P58	5.55	200	240	4000	47.00	86.30	15.0	PS1007150S	PS1007150D
OT 100 P65	6.25	190	230	3750	48.25	88.80	16.8	PS1007151S	PS1007151D
OT 100 P79	7.60	170	220	3500	50.60	93.50	20.5	PS1007152S	PS1007152D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 S / B 11 S1**

Series

Pump

Displacement ( see above table )

 Rotation
 

S	Anti-clockwise
D	Clockwise

SAE- AA flange 2 bolts

SAE AA cylindrical shaft

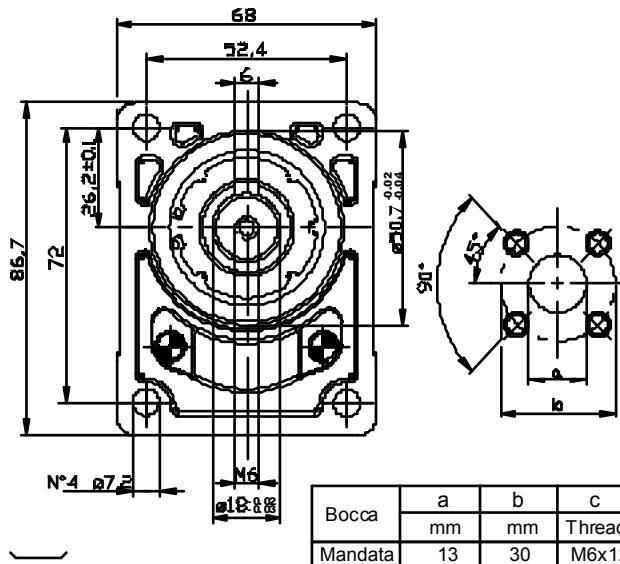
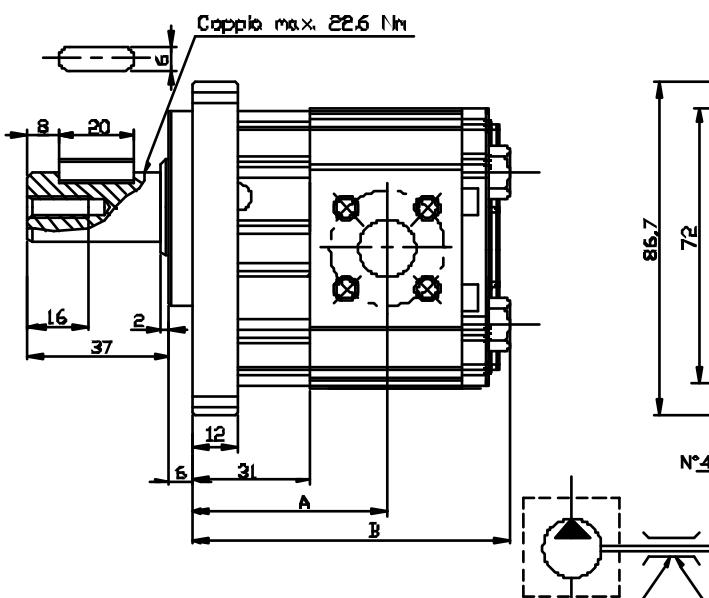
Body for European flanges

Screws tightening torque : 28 - 30 Nm

AVAILABLE FOR QUANTITIES

**POMPE GRUPPO 1- CON SUPPORTO**

**VERSIONE: B16 T P1**

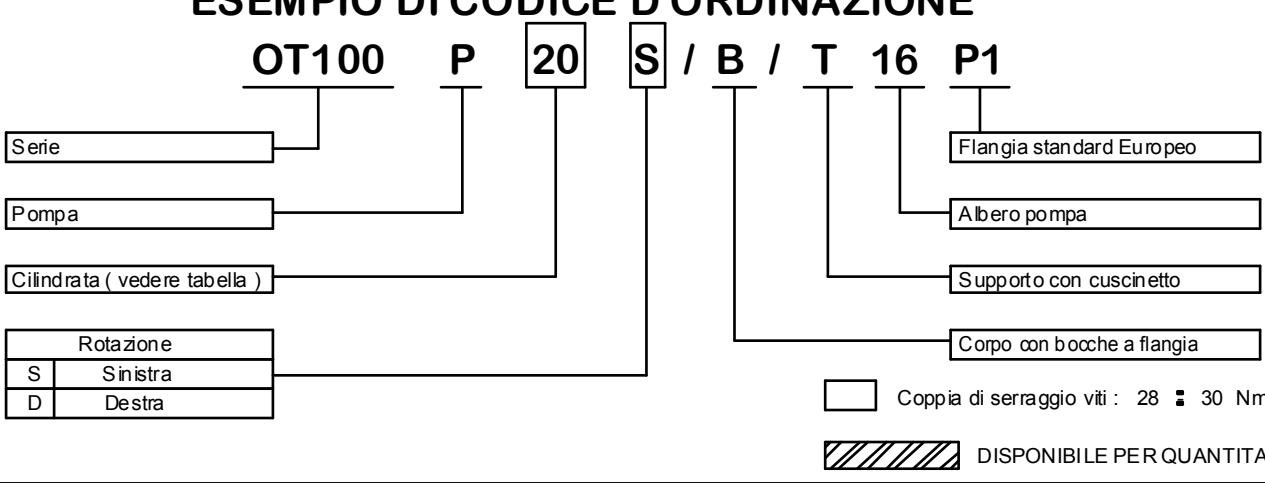


**NOTE:** Pompa per trasmissione indipendente con supporto incorporato.

Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A		Coppia assorbita a 150 bar (Nm)	Codice anagrafico ( Rot. Sinistra )	Codice anagrafico ( Rot. Destra )
						B			
<b>OT 100 P 07</b>	0.73	200	240	5000	49.30	82.5	1.8	PS1027101S	PS1027101D
<b>OT 100 P 11</b>	1.05	240	280	5000	49.90	83.6	2.4	PS1027102S	PS1027102D
<b>OT 100 P 13</b>	1.25	260	300	5000	50.60	84.3	3.2	PS1027125S	PS1027125D
<b>OT 100 P 16</b>	1.55	260	300	5000	50.75	85.3	4.2	PS1027103S	PS1027103D
<b>OT 100 P 20</b>	1.90	260	300	5000	51.45	86.7	5.2	PS1027104S	PS1027104D
<b>OT 100 P 25</b>	2.50	260	300	5000	52.50	88.8	6.7	PS1027105S	PS1027105D
<b>OT 100 P 32</b>	3.10	260	300	5000	53.50	90.8	8.3	PS1027106S	PS1027106D
<b>OT 100 P 40</b>	3.80	260	300	4500	54.90	93.6	10.1	PS1027107S	PS1027107D
<b>OT 100 P 43</b>	4.30	240	280	4500	55.45	95.7	12.0	PS1027124S	PS1027124D
<b>OT 100 P 49</b>	4.70	240	280	4500	56.45	96.7	12.7	PS1027108S	PS1027108D
<b>OT 100 P 58</b>	5.55	200	240	4000	58.00	99.8	15.0	PS1027109S	PS1027109D
<b>OT 100 P 65</b>	6.25	190	230	3750	59.25	102.3	16.8	PS1027110S	PS1027110D
<b>OT 100 P 79</b>	7.60	170	220	3500	61.60	107.0	20.5	PS1027111S	PS1027111D
<b>OT 100 P 99</b>	9.90	130	170	3500	70.40	115.8	26.3	PS1027123S	PS1027123D

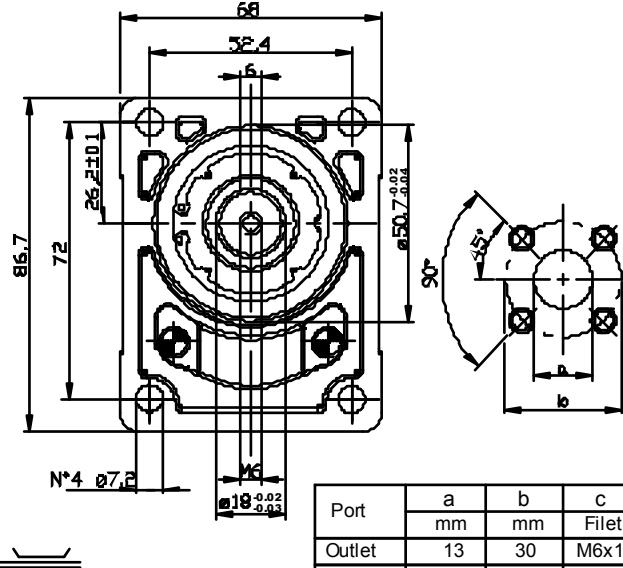
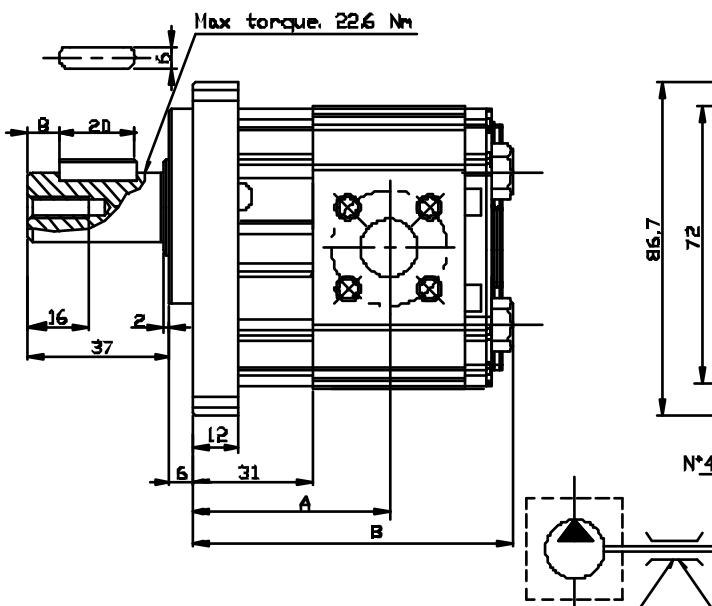
## ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / B / T 16 P1



## GROUP 1 PUMPS- WITH FRONT BEARING

**VERSION: B16 T P1**



**NOTE:** Pump with built-in front bearing.

Fmax see page 14

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A   B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
OT 100 P 07	0.73	200	240	5000	49.30   82.5	1.8	PS1027101S	PS1027101D
OT 100 P 11	1.05	240	280	5000	49.90   83.6	2.4	PS1027102S	PS1027102D
OT 100 P 13	1.25	260	300	5000	50.60   84.3	3.2	PS1027125S	PS1027125D
OT 100 P 16	1.45	260	300	5000	50.75   85.3	4.2	PS1027103S	PS1027103D
OT 100 P 20	1.80	260	300	5000	51.45   86.7	5.2	PS1027104S	PS1027104D
OT 100 P 25	2.50	260	300	5000	52.50   88.8	6.7	PS1027105S	PS1027105D
OT 100 P 32	3.05	260	300	5000	53.50   90.8	8.3	PS1027106S	PS1027106D
OT 100 P 40	3.80	260	300	4500	54.90   93.6	10.1	PS1027107S	PS1027107D
OT 100 P 43	4.30	240	280	4500	55.45   95.7	12.0	PS1027124S	PS1027124D
OT 100 P 49	4.50	240	280	4500	56.45   96.7	12.7	PS1027108S	PS1027108D
OT 100 P 58	5.55	200	240	4000	58.00   99.8	15.0	PS1027109S	PS1027109D
OT 100 P 65	6.25	190	230	3750	59.25   102.3	16.8	PS1027110S	PS1027110D
OT 100 P 79	7.60	170	220	3500	61.60   107.0	20.5	PS1027111S	PS1027111D
OT 100 P 99	9.90	130	170	3500	70.40   115.8	26.3	PS1027123S	PS1027123D

### EXAMPLE OF ORDERING CODE

**OT100 P 20 S / B / T 16 P1**

Series

Pump

Displacement (see above table)

Rotation	
S	Anti-clockwise
D	Clockwise

European standard flange

Pump shaft

Front bearing

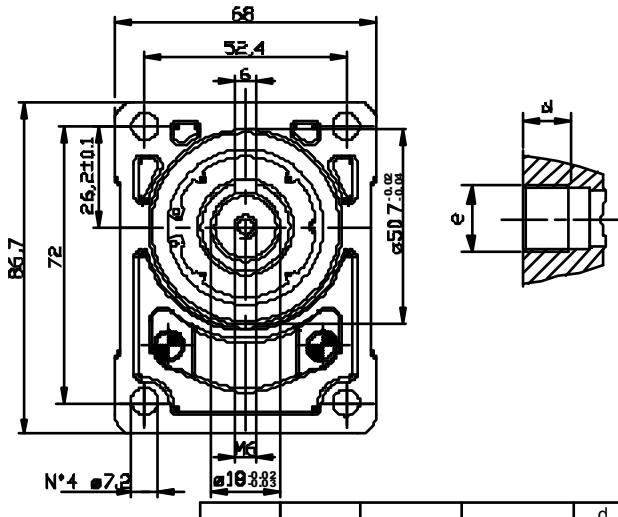
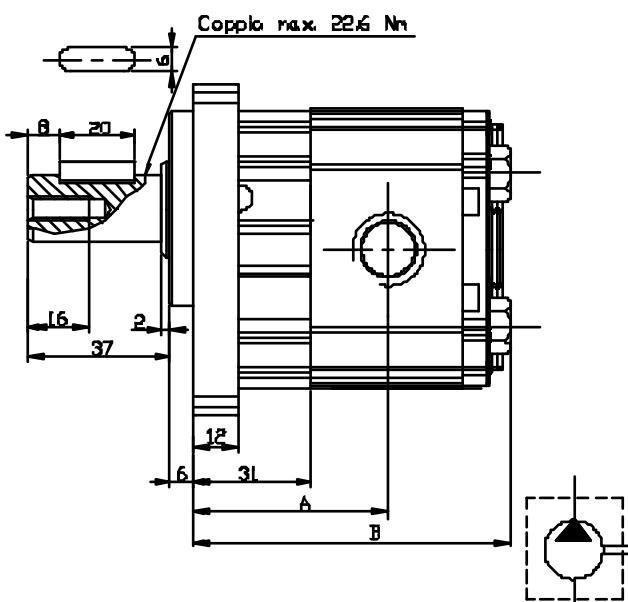
Body for European flanges

Screws tightening torque : 28 - 30 Nm

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1- CON SUPPORTO

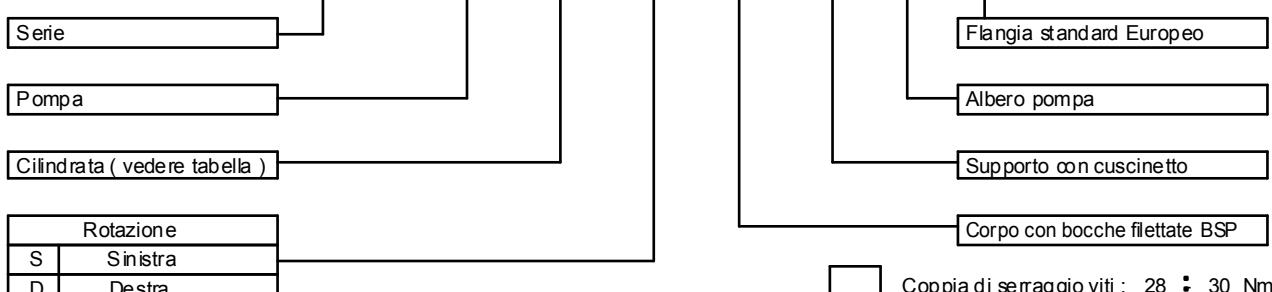
**VERSIONE: G 16 T P1**



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A B (mm)		Coppia assorbita a 150 bar (Nm)	Codice anagrafico (Rot. Sinistra)	Codice anagrafico (Rot. Destra)
					A	B			
OT 100 P97	0.73	200	240	5000	49.30	82.5	1.8	PS1027112S	PS1027112D
OT 100 P11	1.05	240	280	5000	49.90	83.6	2.4	PS1027113S	PS1027113D
OT 100 P13	1.25	260	300	5000	50.60	84.3	3.2	PS1027128S	PS1027128D
OT 100 P16	1.45	260	300	5000	50.75	85.3	4.2	PS1027114S	PS1027114D
OT 100 P20	1.80	260	300	5000	51.45	86.7	5.2	PS1027115S	PS1027115D
OT 100 P25	2.45	260	300	5000	52.50	88.8	6.7	PS1027116S	PS1027116D
OT 100 P32	3.05	260	300	5000	53.50	90.8	8.3	PS1027117S	PS1027117D
OT 100 P40	3.80	260	300	4500	54.90	93.6	10.1	PS1027118S	PS1027118D
OT 100 P43	4.30	240	280	4500	55.45	95.7	12.0	PS1027127S	PS1027127D
OT 100 P49	4.70	240	280	4500	56.45	96.7	12.7	PS1027119S	PS1027119D
OT 100 P58	5.55	200	240	4000	58.00	99.8	15.0	PS1027120S	PS1027120D
OT 100 P65	6.25	190	230	3750	59.25	102.3	16.8	PS1027121S	PS1027121D
OT 100 P79	7.60	170	220	3500	61.60	107.0	20.5	PS1027122S	PS1027122D
OT 100 P99	9.90	130	170	3500	70.40	115.8	26.3	PS1027126S	PS1027126D

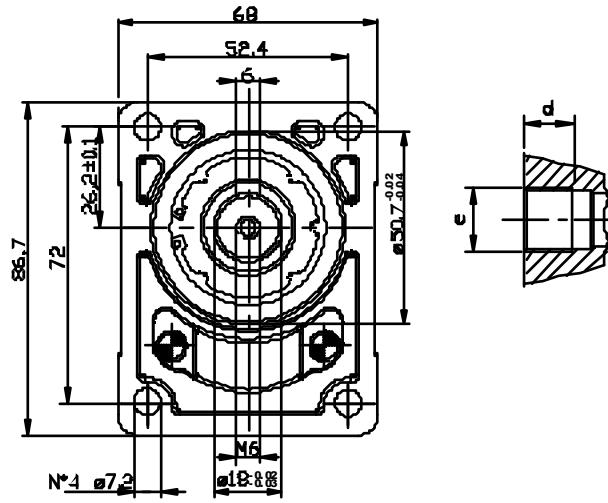
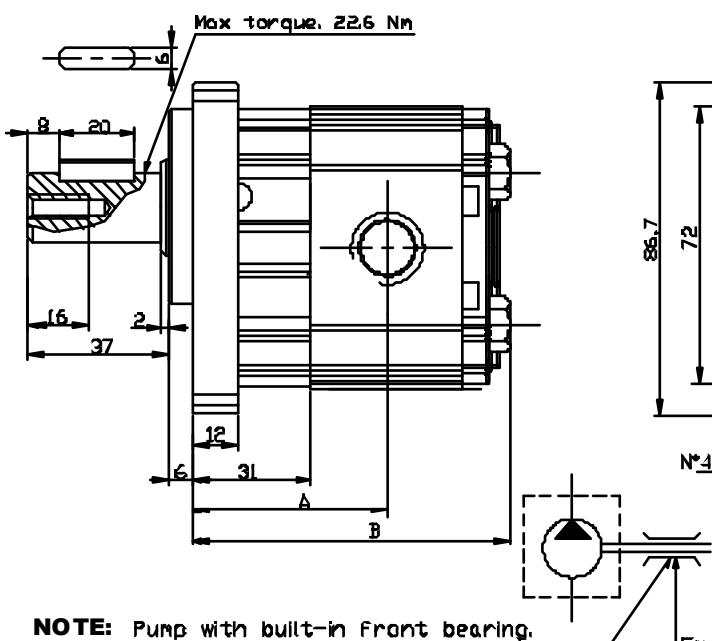
### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / G / T 16 P1



## GROUP 1 PUMPS- WITH FRONT BEARING

**VERSION: G 16 T P1**



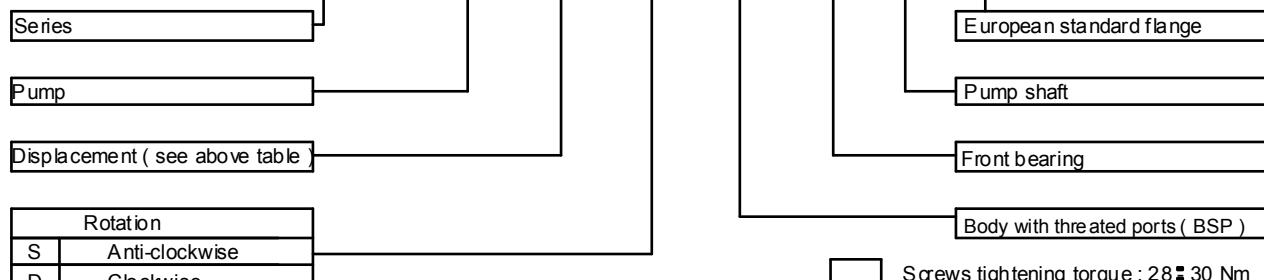
Displacement	Port	Dimension	e	d mm
From 0,70	Outlet	3/8"	G 3/8"	14
to 4,50	Inlet	3/8"	G 3/8"	14
From 5,55	Outlet	3/8"	G 3/8"	14
to 7,60	Inlet	1/2"	G 1/2"	14

Max vel. Dwg. (14)

Type	Displacement ( cc/rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( r.p.m )	Dimension		Absorbed torque at 150 bar ( Nm )	( Anti-clockwise )	( Clockwise )
					A	B			
OT 100 P 07	0.73	200	240	5000	49.30	82.5	1.8	PS1027112S	PS1027112D
OT 100 P 11	1.05	240	280	5000	49.90	83.6	2.4	PS1027113S	PS1027113D
OT 100 P 13	1.25	260	300	5000	50.60	84.3	3.2	PS1027128S	PS1027128D
OT 100 P 16	1.45	260	300	5000	50.75	85.3	4.2	PS1027114S	PS1027114D
OT 100 P 20	1.80	260	300	5000	51.45	86.7	5.2	PS1027115S	PS1027115D
OT 100 P 25	2.50	260	300	5000	52.50	88.8	6.7	PS1027116S	PS1027116D
OT 100 P 32	3.05	260	300	5000	53.50	90.8	8.3	PS1027117S	PS1027117D
OT 100 P 40	3.80	260	300	4500	54.90	93.6	10.1	PS1027118S	PS1027118D
OT 100 P 43	4.30	240	280	4500	55.45	95.7	12.0	PS1027127S	PS1027127D
OT 100 P 49	4.50	240	280	4500	56.45	96.7	12.7	PS1027119S	PS1027119D
OT 100 P 58	5.55	200	240	4000	58.00	99.8	15.0	PS1027120S	PS1027120D
OT 100 P 65	6.25	190	230	3750	59.25	102.3	16.8	PS1027121S	PS1027121D
OT 100 P 79	7.60	170	220	3500	61.60	107.0	20.5	PS1027122S	PS1027122D
OT 100 P 99	9.90	130	170	3500	70.40	115.8	26.3	PS1027126S	PS1027126D

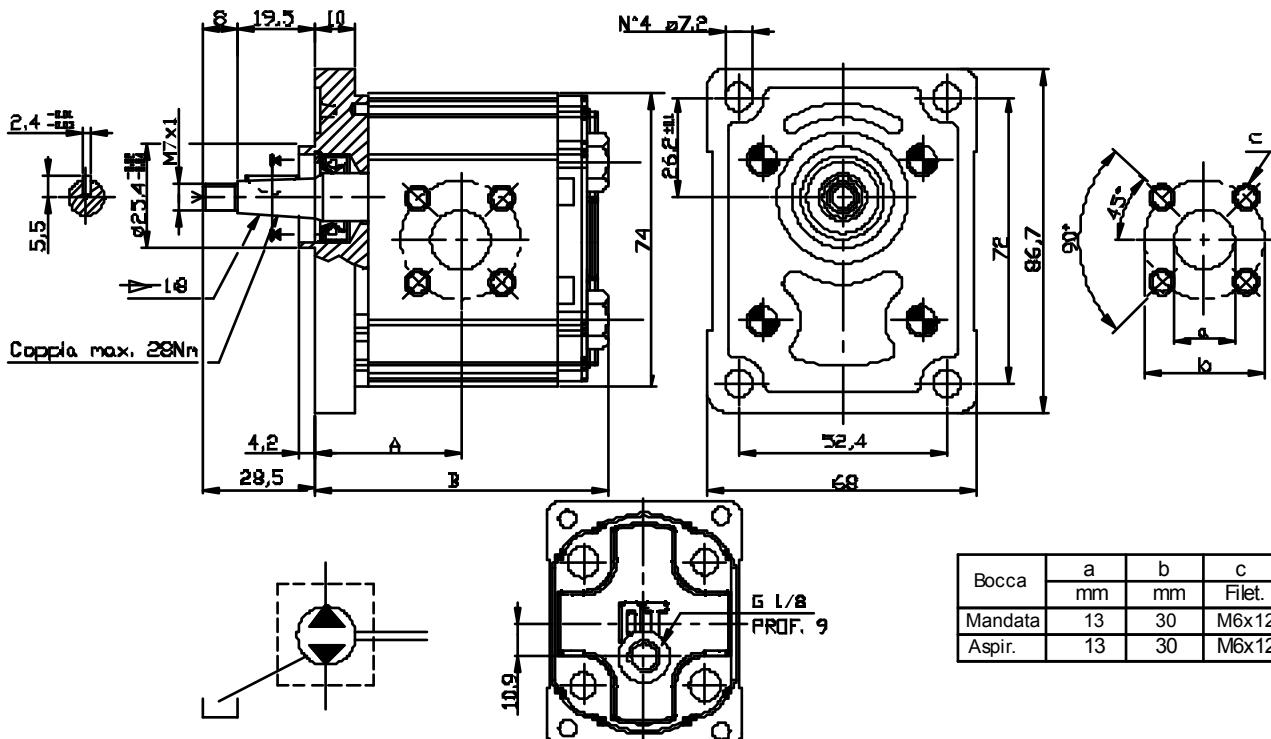
### EXAMPLE OF ORDERING CODE

**OT100 P 20 S / G / T 16 P1**



## POMPE REVERSIBILI GRUPPO 1 - STANDARD EUROPEO

**VERSIONE: B 18 P1**



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocità massima (giri/min.)	Dimensione A		Coppia assorbita a 150 bar (Nm)	Codice anagrafico
					B	A		
OT 100 P 16	1.45	180	230	5000	32.75	67.3	4.2	PS1007083R
OT 100 P 20	1.80	210	250	5000	33.45	68.7	5.2	PS1007084R
OT 100 P 25	2.45	210	250	5000	34.50	70.8	6.7	PS1007085R
OT 100 P 32	3.05	210	250	5000	35.50	72.8	8.3	PS1007086R
OT 100 P 40	3.80	210	250	4500	36.90	75.6	10.1	PS1007087R
OT 100 P 49	4.70	200	240	4500	38.45	78.7	12.7	PS1007088R
OT 100 P 58	5.55	200	220	4000	40.00	81.8	15.0	PS1007089R
OT 100 P 65	6.25	180	210	3750	41.25	84.3	16.8	PS1007090R
OT 100 P 79	7.60	160	200	3500	43.60	89.0	20.5	PS1017091R

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 R / B 18 P1

Serie

Flangia standard Europeo

Pompa

Albero conico (1:8)

Cilindrata (vedere tabella)

Corpo con bocche a flangia

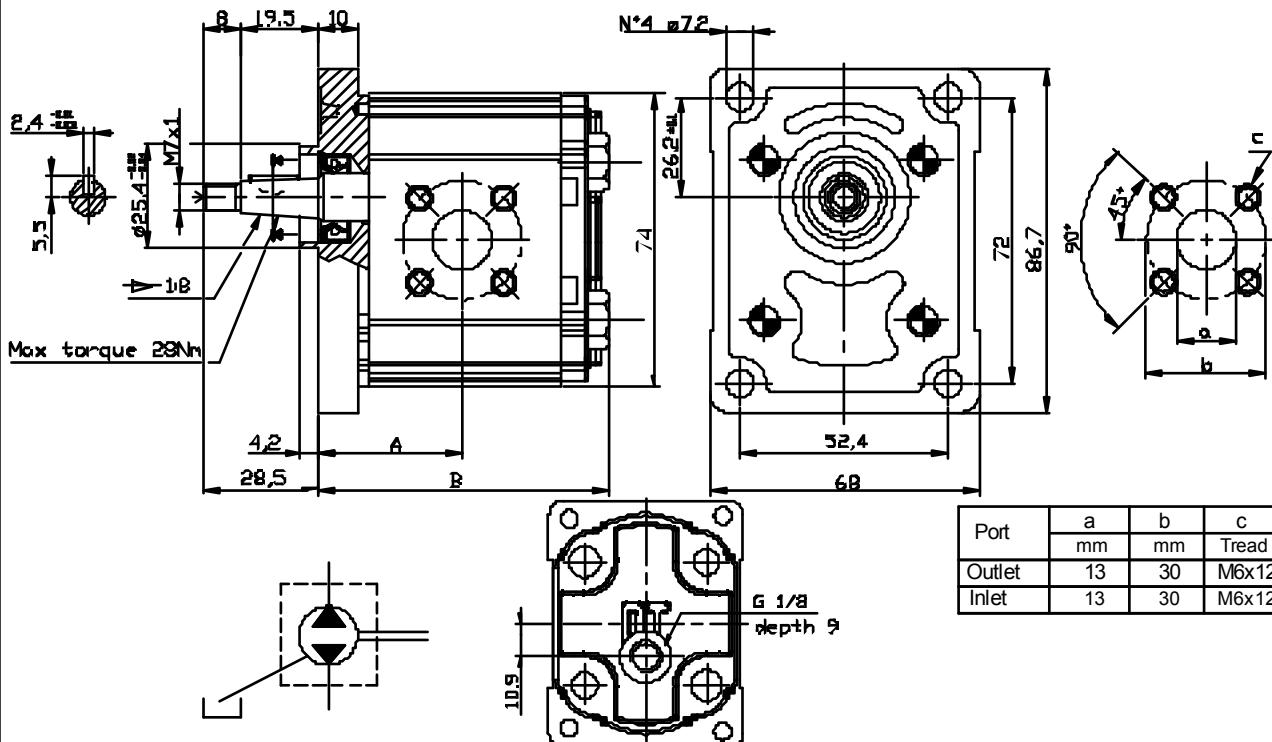
Rotazione  
R Reversibile

Coppia di serraggio viti: 25 ± 28 Nm

DISPONIBILE PER QUANTITA'

## GROUP 1 REVERSIBLE PUMPS- EUROPEAN STANDARD

**VERSION: B18 P1**



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m.)	Dimension A   B (mm)		Absorbed torque at 150 bar (Nm)	Code
					A (mm)	B (mm)		
<b>OT 100 P16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1007083R
<b>OT 100 P20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1007084R
<b>OT 100 P25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1007085R
<b>OT 100 P32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1007086R
<b>OT 100 P40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1007087R
<b>OT 100 P49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1007088R
<b>OT 100 P58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1007089R
<b>OT 100 P65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1007090R
<b>OT 100 P79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1017091R

### EXAMPLE OF ORDERING CODE

**OT100 P 20 R / B 18 P1**

Series

Pump

Displacement (see above table)

Rotation  
R Reversible

European standard flange

Taper shaft ( 1:8 )

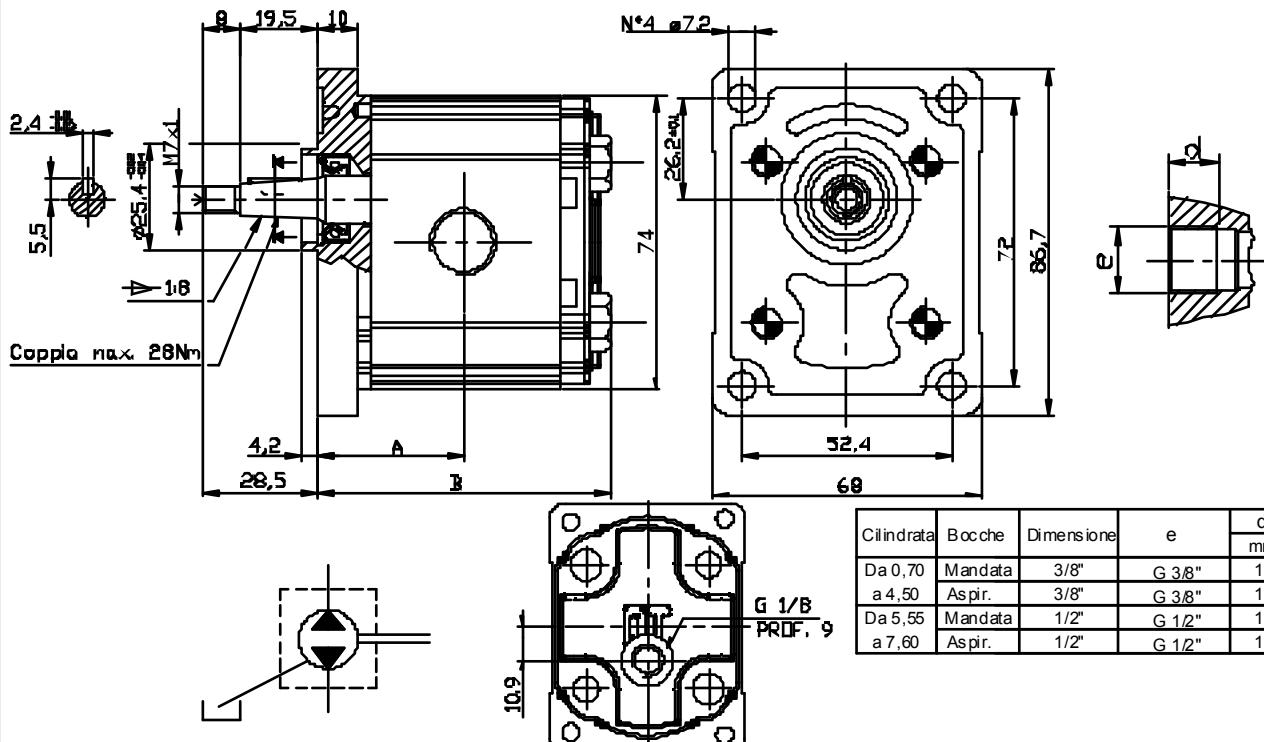
Body for European flanges

Screws tightening torque : 25 ± 28 Nm

 AVAILABLE FOR QUANTITIES

## POMPE REVERSIBILI GRUPPO 1- STANDARD EUROPEO

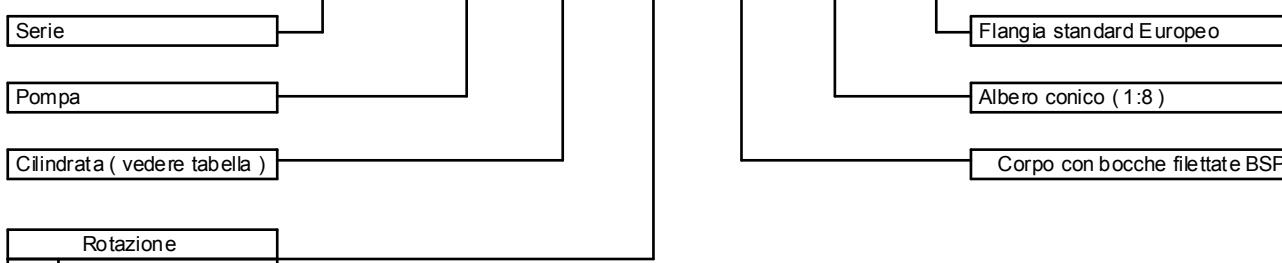
**VERSIONE: G 18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocità massima ( giri/min. )	Dimensione A      B ( mm )		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico
					A	B		
<b>OT 100 P16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1007063R
<b>OT 100 P20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1007064R
<b>OT 100 P25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1007065R
<b>OT 100 P32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1007066R
<b>OT 100 P40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1007067R
<b>OT 100 P49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1007068R
<b>OT 100 P58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1007069R
<b>OT 100 P65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1007070R
<b>OT 100 P79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1017071R

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 R / G 18 P1

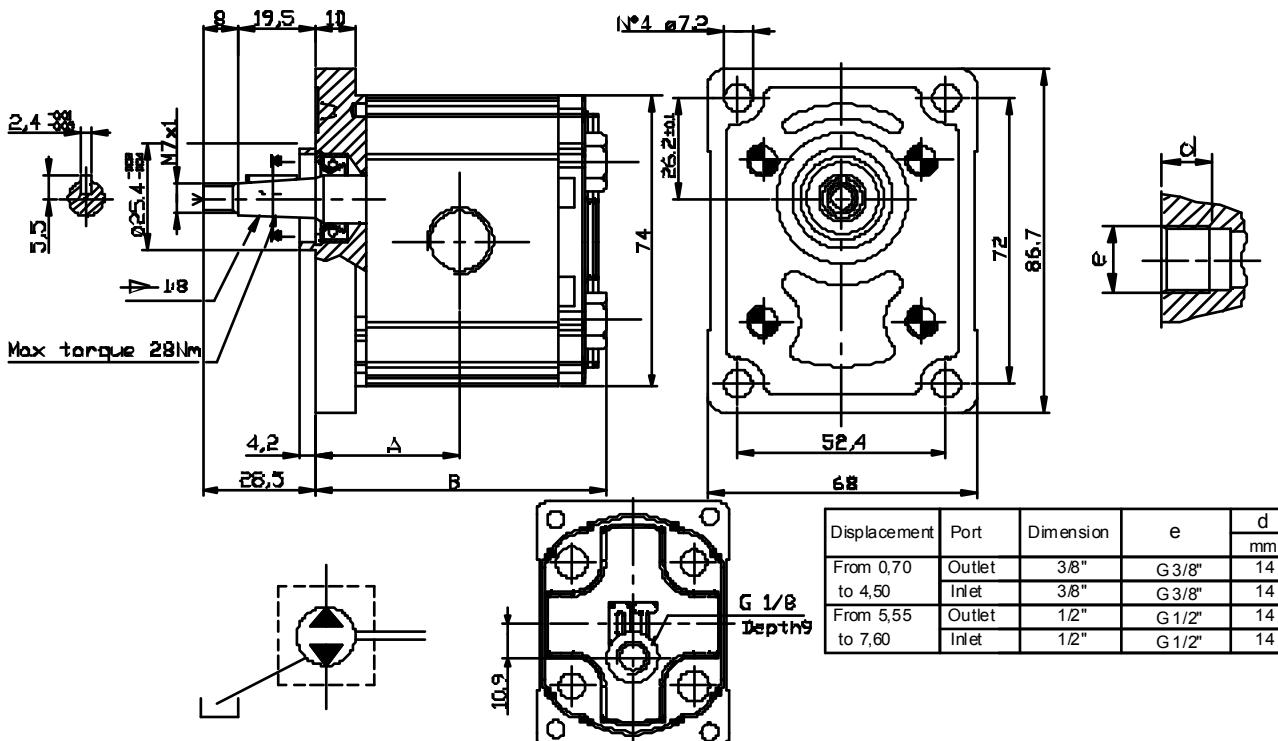


Coppia di serraggio viti: 25 • 28 Nm

DISPO NIBILE PER QUANTITA'

## GROUP 1 REVERSIBLE PUMPS- EUROPEAN STANDARD

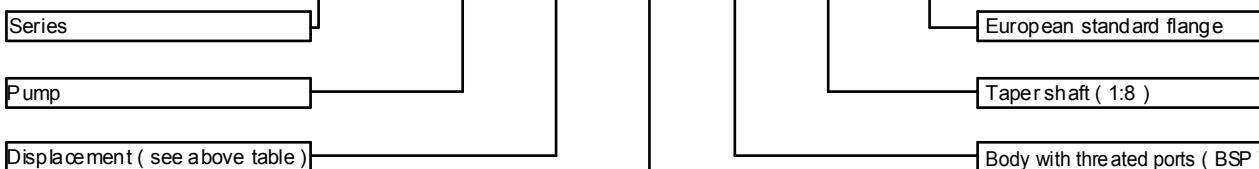
**VERSION: G 18 P1**



Type	Displacement ( cc/rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( r.p.m )	Dimension A   B ( mm )		Absorbed torque at 150 bar ( Nm )	Code
					A	B		
<b>OT 100 P16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1007063R
<b>OT 100 P20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1007064R
<b>OT 100 P25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1007065R
<b>OT 100 P32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1007066R
<b>OT 100 P40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1007067R
<b>OT 100 P49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1007068R
<b>OT 100 P58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1007069R
<b>OT 100 P65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1007070R
<b>OT 100 P79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1017071R

### EXAMPLE OF ORDERING CODE

OT100 P 20 R / G 18 P1

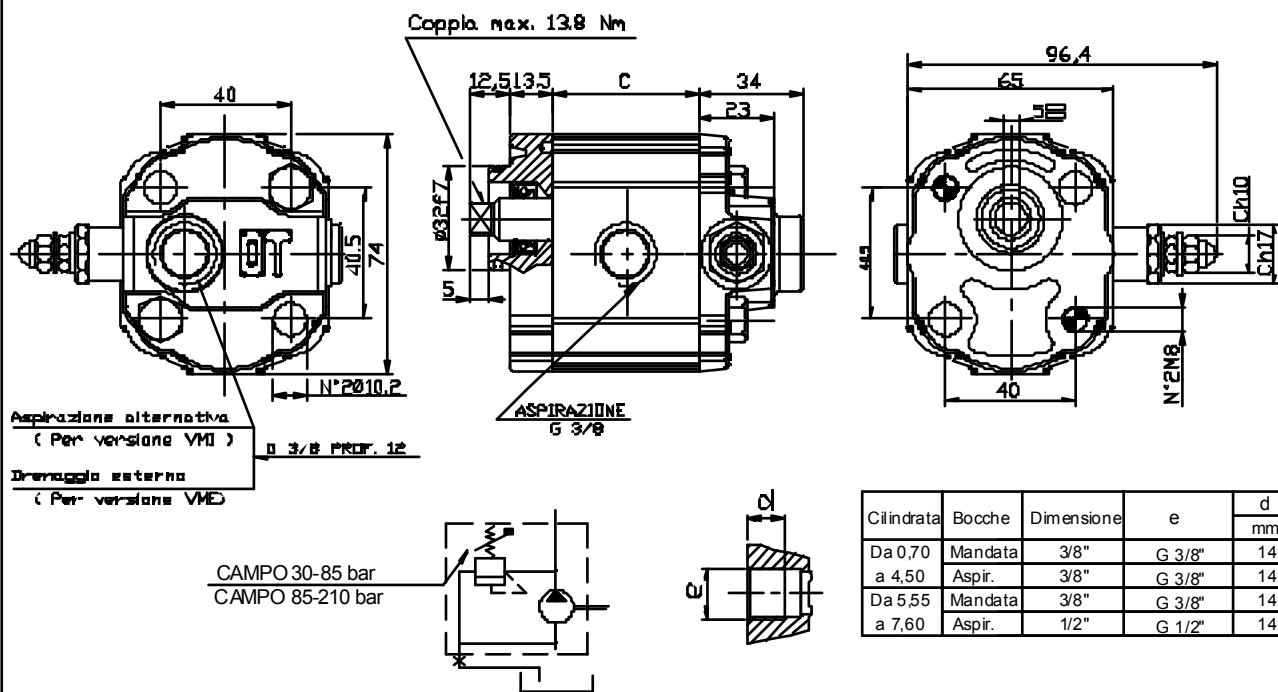


Screws tightening torque : 25 ± 28 Nm

AVAILABLE FOR QUANTITIES

## POMPE GRUPPO 1 - CON VALVOLA DI MASSIMA

**VERSIONE: G14B0-VM**

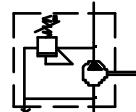


Cilindrata	Bocche	Dimensione	e	d
				mm
Da 0.70 a 4,50	Mandata Aspir.	3/8"	G 3/8"	14
Da 5,55 a 7,60	Mandata Aspir.	3/8" 1/2"	G 3/8" G 1/2"	14

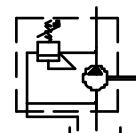
Tipo	Cilindrata ( cc/giro )	Velocita' massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )
<b>OT 100 P07</b>	0.73	5000	36.7	1.8
<b>OT 100 P11</b>	1.05	5000	37.8	2.4
<b>OT 100 P16</b>	1.45	5000	39.5	4.2
<b>OT 100 P20</b>	1.80	5000	40.9	5.2
<b>OT 100 P26</b>	2.45	5000	43.0	6.7
<b>OT 100 P32</b>	3.05	5000	45.0	8.3
<b>OT 100 P40</b>	3.80	4500	47.8	10.1
<b>OT 100 P49</b>	4.70	4500	50.9	12.7
<b>OT 100 P58</b>	5.55	4000	54.0	15.0
<b>OT 100 P65</b>	6.25	3750	56.5	16.8
<b>OT 100 P79</b>	7.60	3500	61.2	20.5

SONO DISPONIBILE LE SEGUENTI VERSIONI

1) Aspirazione posteriore o laterale con drenaggio interno

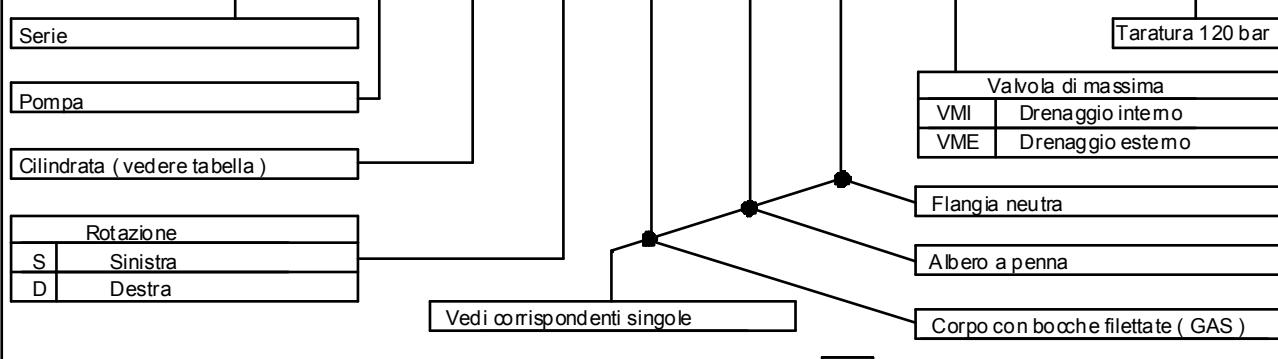


2) Aspirazione laterale con drenaggio esterno posteriore



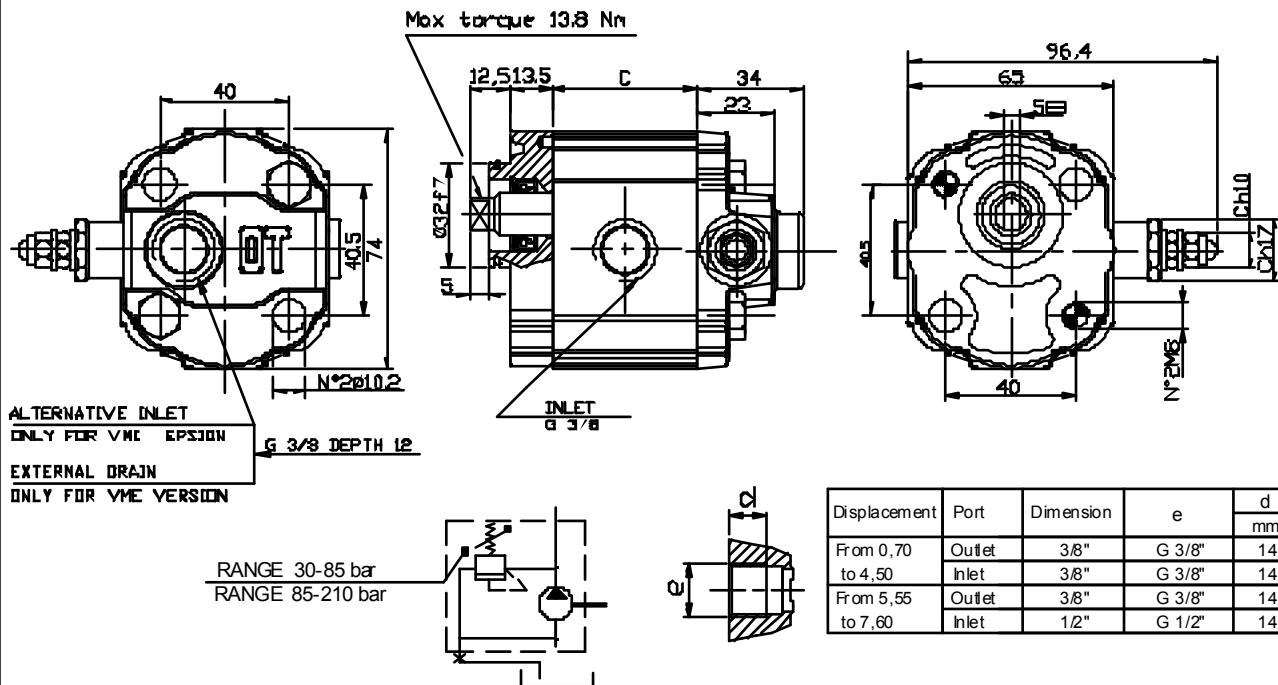
### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / G 14 B0 - VMI 120



## GROUP 1 PUMPS - WITH MAIN RELIEF VALVE

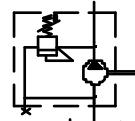
**VERSION: G14B0-VM**



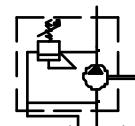
Type	Displacement ( cc/rev )	Max speed ( r.p.m )	Dimension B ( mm )	Absorbed torque at 150 bar ( Nm )
<b>OT 100 P 07</b>	0.73	5000	36.7	1.8
<b>OT 100 P 11</b>	1.05	5000	37.8	2.4
<b>OT 100 P 16</b>	1.45	5000	39.5	4.2
<b>OT 100 P 20</b>	1.80	5000	40.9	5.2
<b>OT 100 P 26</b>	2.45	5000	43.0	6.7
<b>OT 100 P 32</b>	3.05	5000	45.0	8.3
<b>OT 100 P 40</b>	3.80	4500	47.8	10.1
<b>OT 100 P 49</b>	4.70	4500	50.9	12.7
<b>OT 100 P 58</b>	5.55	4000	54.0	15.0
<b>OT 100 P 65</b>	6.25	3750	56.5	16.8
<b>OT 100 P 79</b>	7.60	3500	61.2	20.5

### AVAILABLE VERSIONS :

1) Lateral or alternative posterior inlet with internal drain.



2) Lateral inlet with external drain.



### EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 14 B0 - VMI 120

Series

Pump

Displacement ( see above table )

Rotation

S	Anti-clockwise
D	Clockwise

20

S / G

14

B0

VMI

120

Setting 120 bar

Relief valve

VMI	Internal drain
VME	External drain

Neutral flange

Tang shaft

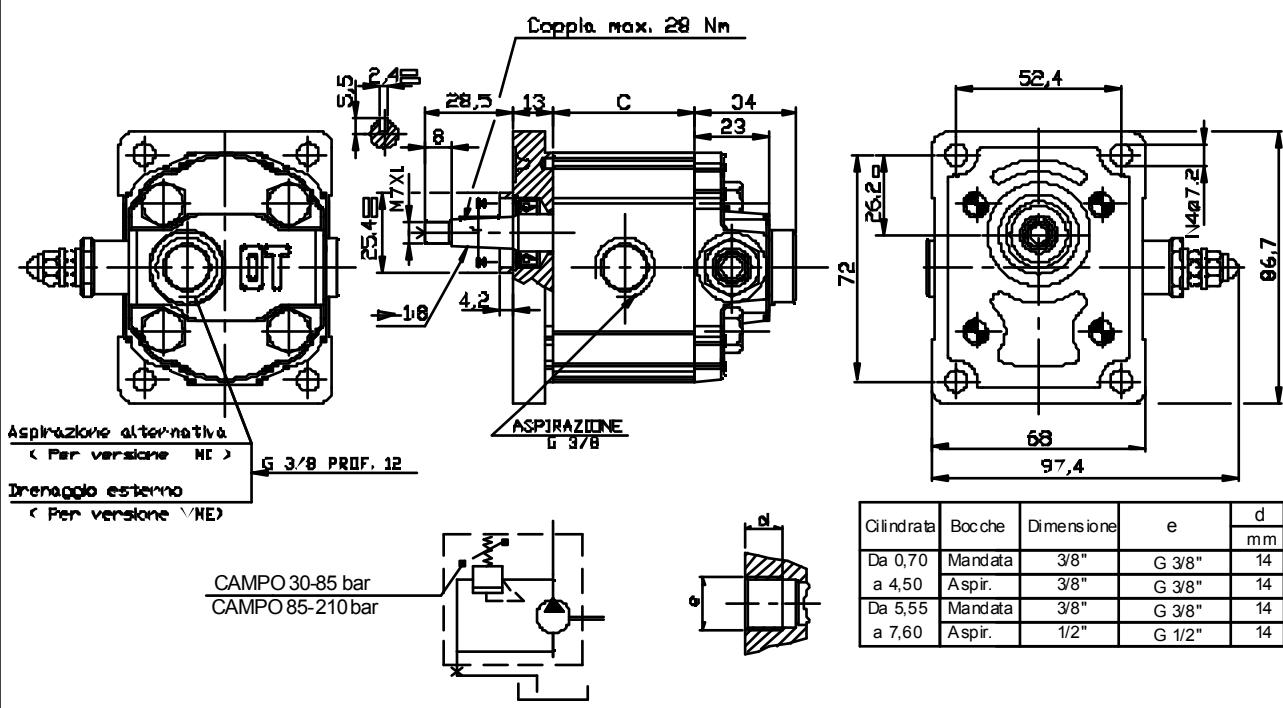
Body with threaded ports ( BSP )

See above correspondent single pumps

Screws tightening torque : 25 - 28 Nm

## POMPE GRUPPO 1 - CON VALVOLA DI MASSIMA

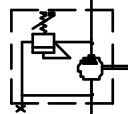
**VERSIONE: G18 P1-VM**



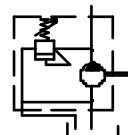
Tipo	Cilindrata ( cc/giro )	Velocità massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )
<b>OT 100 P07</b>	0.73	5000	36.7	1.8
<b>OT 100 P11</b>	1.05	5000	37.8	2.4
<b>OT 100 P16</b>	1.45	5000	39.5	4.2
<b>OT 100 P20</b>	1.80	5000	40.9	5.2
<b>OT 100 P26</b>	2.45	5000	43.0	6.7
<b>OT 100 P32</b>	3.05	5000	45.0	8.3
<b>OT 100 P40</b>	3.80	4500	47.8	10.1
<b>OT 100 P49</b>	4.70	4500	50.9	12.7
<b>OT 100 P58</b>	5.55	4000	54.0	15.0
<b>OT 100 P65</b>	6.25	3750	56.5	16.8
<b>OT 100 P79</b>	7.60	3500	61.2	20.5

SONO DISPONIBILE LE SEGUENTI VERSIONI

1) Aspirazione posteriore o laterale con drenaggio interno

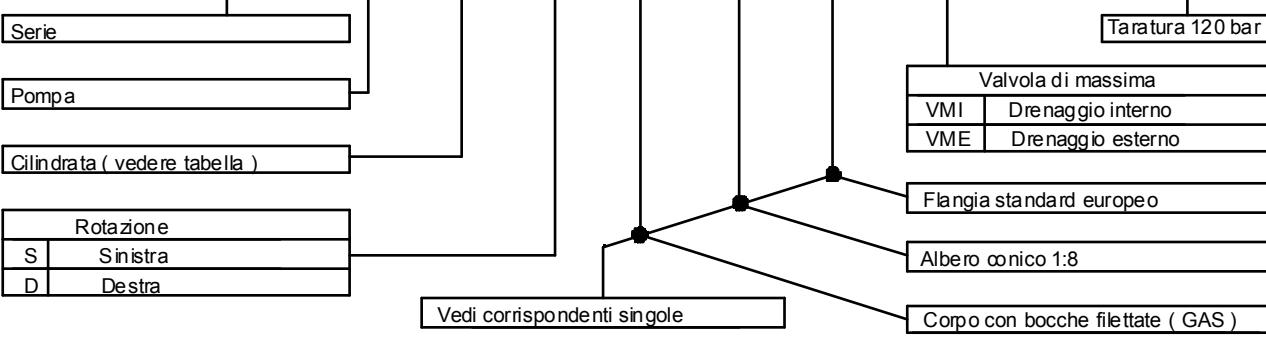


2) Aspirazione laterale con drenaggio esterno posteriore



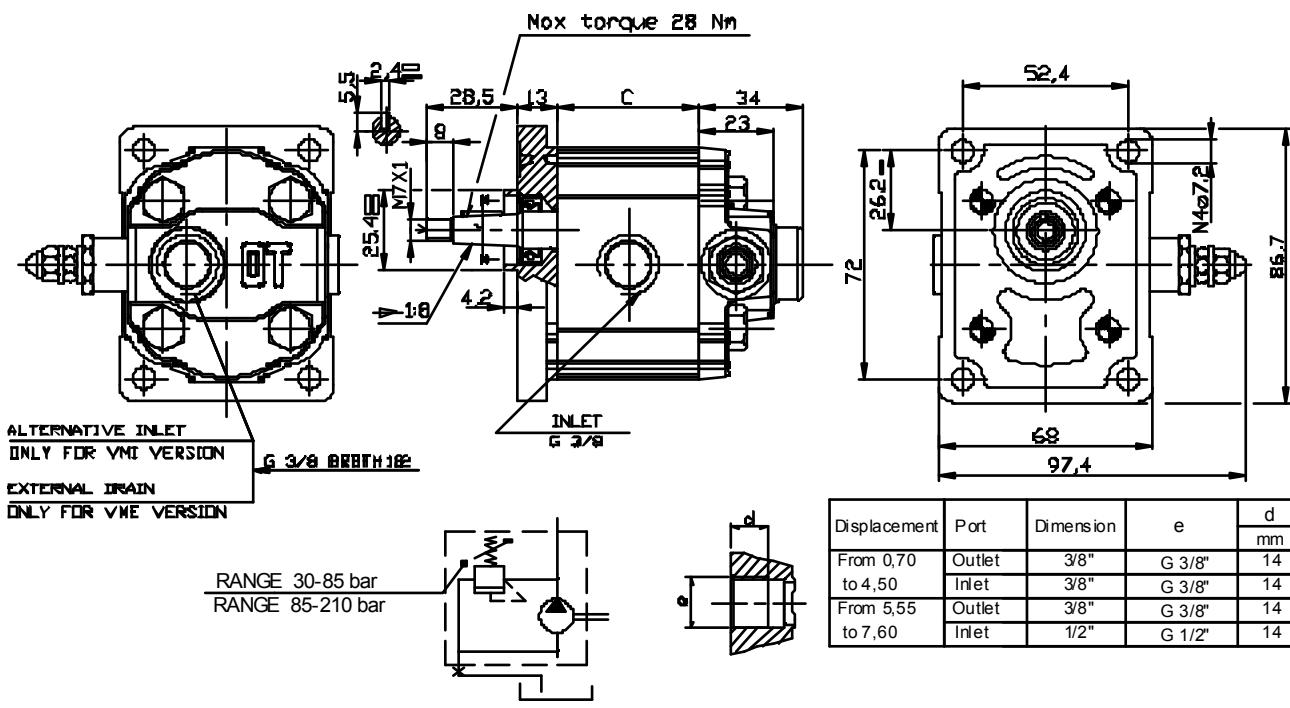
### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / G 18 P1 - VMI 120



## GROUP 1 PUMPS- WITH MAIN RELIEF VALVE

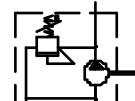
**VERSION: G18P1-VM**



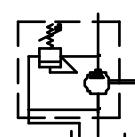
Type	Displacement (cc/rev)	Max speed (r.p.m)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)
<b>OT 100 P07</b>	0.73	5000	36.7	1.8
<b>OT 100 P11</b>	1.05	5000	37.8	2.4
<b>OT 100 P16</b>	1.45	5000	39.5	4.2
<b>OT 100 P20</b>	1.80	5000	40.9	5.2
<b>OT 100 P26</b>	2.45	5000	43.0	6.7
<b>OT 100 P32</b>	3.05	5000	45.0	8.3
<b>OT 100 P40</b>	3.80	4500	47.8	10.1
<b>OT 100 P49</b>	4.70	4500	50.9	12.7
<b>OT 100 P58</b>	5.55	4000	54.0	15.0
<b>OT 100 P65</b>	6.25	3750	56.5	16.8
<b>OT 100 P79</b>	7.60	3500	61.2	20.5

### AVAILABLE VERSIONS :

- 1) Lateral or alternative posterior inlet with internal drain.



- 2) Lateral inlet with external drain.



### EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 18 P1 - VMI 120

Series

Pump

Displacement ( see above table )

S	Anti-clockwise
D	Clockwise

See above correspondent single pumps

Setting 120 bar

Relief valve

VMI Internal drain

VME External drain

European standard flange

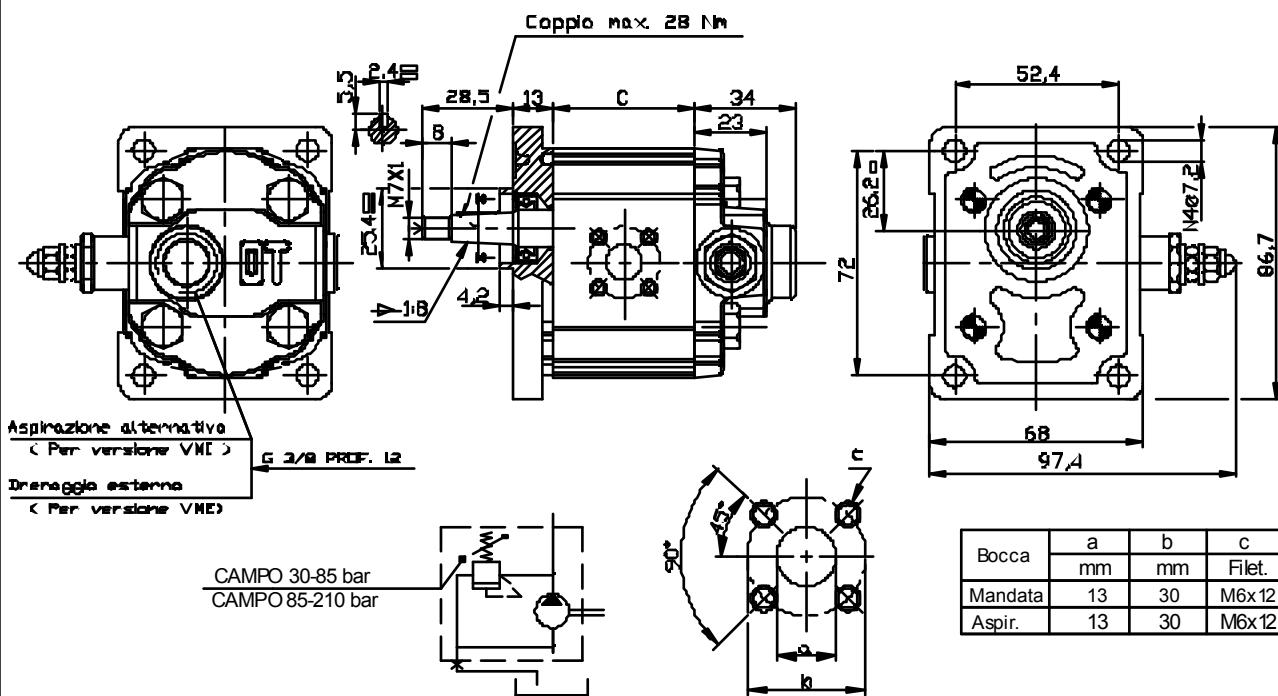
Taper shaft ( 1:8 )

Body with threaded ports ( BSP )

Screws tightening torque : 25 - 28 Nm

## POMPE GRUPPO 1 - CON VALVOLA DI MASSIMA

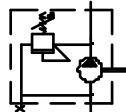
**VERSIONE: B18 P1-VM**



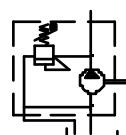
Tipo	Cilindrata ( cc/giro )	Velocita' massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )
OT 100 P07	0.73	5000	36.7	1.8
OT 100 P11	1.05	5000	37.8	2.4
OT 100 P16	1.45	5000	39.5	4.2
OT 100 P20	1.80	5000	40.9	5.2
OT 100 P26	2.45	5000	43.0	6.7
OT 100 P32	3.05	5000	45.0	8.3
OT 100 P40	3.80	4500	47.8	10.1
OT 100 P49	4.70	4500	50.9	12.7
OT 100 P58	5.55	4000	54.0	15.0
OT 100 P65	6.25	3750	56.5	16.8
OT 100 P79	7.60	3500	61.2	20.5

SONO DISPONIBILE LE SEGUENTI VERSIONI

1) Aspirazione posteriore o laterale con drenaggio interno



2) Aspirazione laterale con drenaggio esterno posteriore



### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / B 18 P1 - VMI 120

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione

S Sinistra

D Destra

Taratura 120 bar

Valvola di massima

VMI Drenaggio interno

VME Drenaggio esterno

Flangia standard europeo

Albero conico 1:8

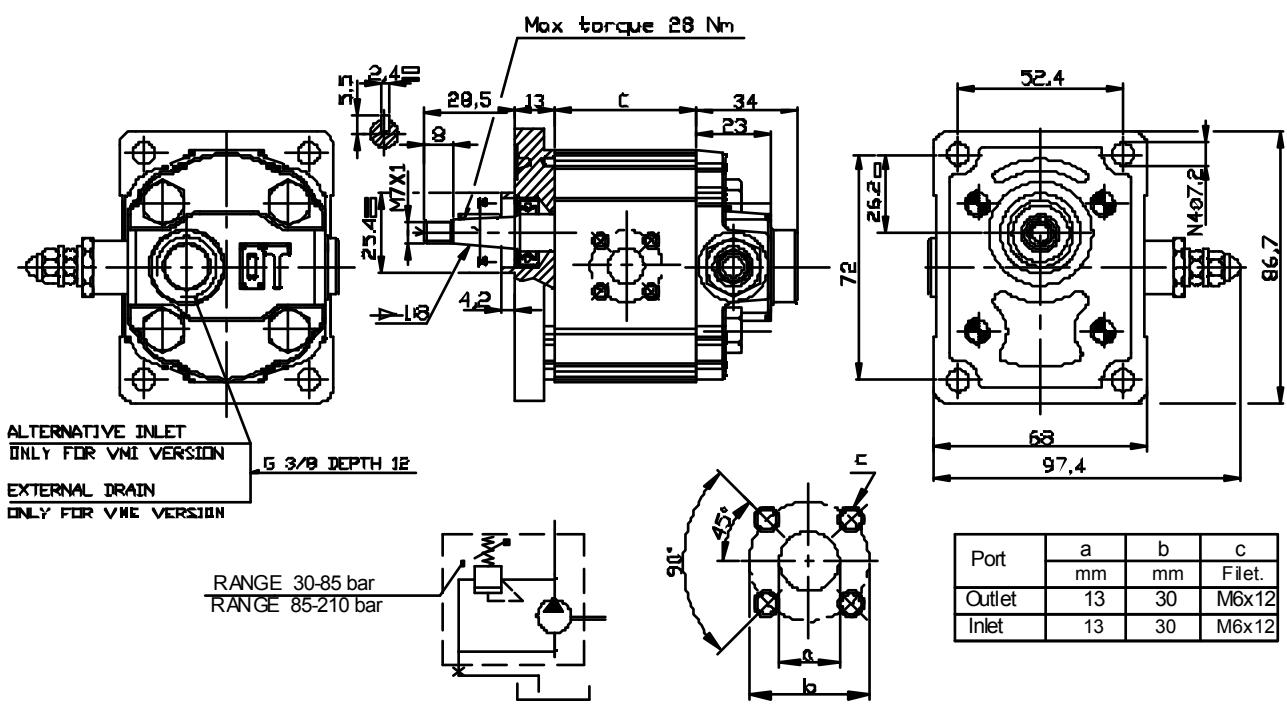
Corpo con bocche a flangia

Vedi corrispondenti singole

Coppia di serraggio viti : 28 : 30 Nm

## GROUP 1 PUMPS- WITH MAIN RELIEF VALVE

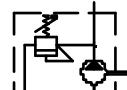
**VERSION: B18P1-VM**



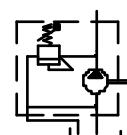
Type	Displacement (cc/rev)	Max speed (r.p.m.)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)
<b>OT 100 P07</b>	0.73	5000	36.7	1.8
<b>OT 100 P11</b>	1.05	5000	37.8	2.4
<b>OT 100 P16</b>	1.45	5000	39.5	4.2
<b>OT 100 P20</b>	1.80	5000	40.9	5.2
<b>OT 100 P26</b>	2.45	5000	43.0	6.7
<b>OT 100 P32</b>	3.05	5000	45.0	8.3
<b>OT 100 P40</b>	3.80	4500	47.8	10.1
<b>OT 100 P49</b>	4.70	4500	50.9	12.7
<b>OT 100 P58</b>	5.55	4000	54.0	15.0
<b>OT 100 P65</b>	6.25	3750	56.5	16.8
<b>OT 100 P79</b>	7.60	3500	61.2	20.5

### AVAILABLE VERSIONS :

- 1) Lateral or alternative posterior inlet with internal drain.



- 2) Lateral inlet with external drain.



### EXAMPLE OF ORDERING CODE

OT100 P 20 S / B 18 P1 - VMI 120

Series

Pump

Displacement ( see above table )

Rotation

S Anti-clockwise

D Clockwise

20

S / B

18

P1 -

VMI

120

Setting 120 bar

Relief valve

VMI Internal drain

VME External drain

European standard flange

Taper shaft ( 1:8 )

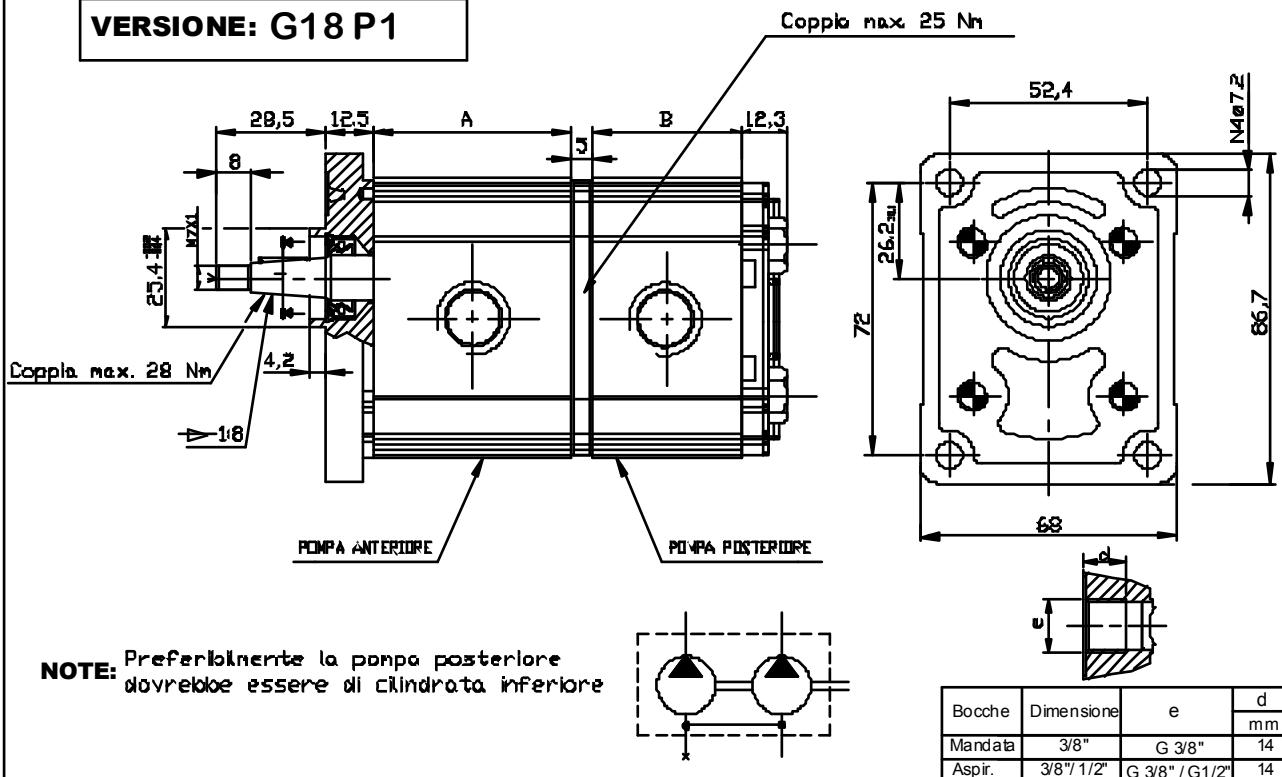
Body for European flanges

See above correspondent single pumps

Screws tightening torque : 25- 28 Nm

## POMPE GRUPPO 1 - TANDEM

**VERSIONE: G18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione A   B ( mm )		Coppia assorbita a 150 bar ( Nm )
					A	B	
OT 100 P07	0.73	200	240	4000	36.7	36.7	1.8
OT 100 P11	1.05	240	280	4000	37.8	37.8	2.4
OT 100 P16	1.55	260	300	4000	39.5	39.5	4.2
OT 100 P20	1.90	260	300	4000	40.9	40.9	5.2
OT 100 P26	2.50	260	300	4000	43.0	43.0	6.7
OT 100 P32	3.10	260	300	4000	45.0	45.0	8.3
OT 100 P40	3.80	260	300	3500	47.8	47.8	10.1
OT 100 P49	4.70	240	280	3500	50.9	50.9	12.7
OT 100 P58	5.55	200	240	3000	54.0	54.0	15.0
OT 100 P65	6.25	190	230	2750	56.5	56.5	16.8
OT 100 P79	7.60	170	220	2500	61.2	61.2	20.5

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 40 / 20 S / G 18 P1 / 2



1 = Una aspirazione  
2 = Due aspirazioni

Flangia standard Europeo

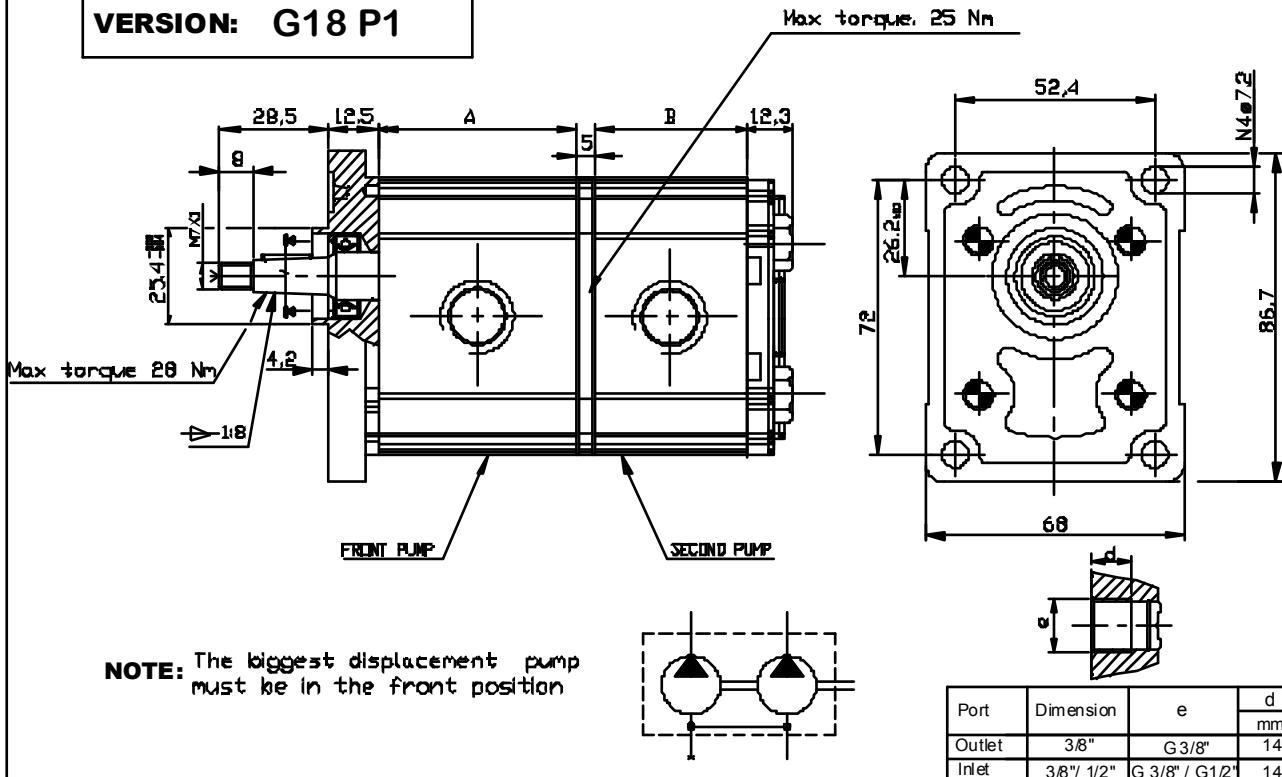
Albero conico ( 1:8 )

Corpo con bocche  
filettate ( GAS )

DISPONIBILE PER QUANTITA' COME POMPA ANTERIORE E POSTERIORE.

## GROUP 1 PUMPS- TANDEM PUMPS

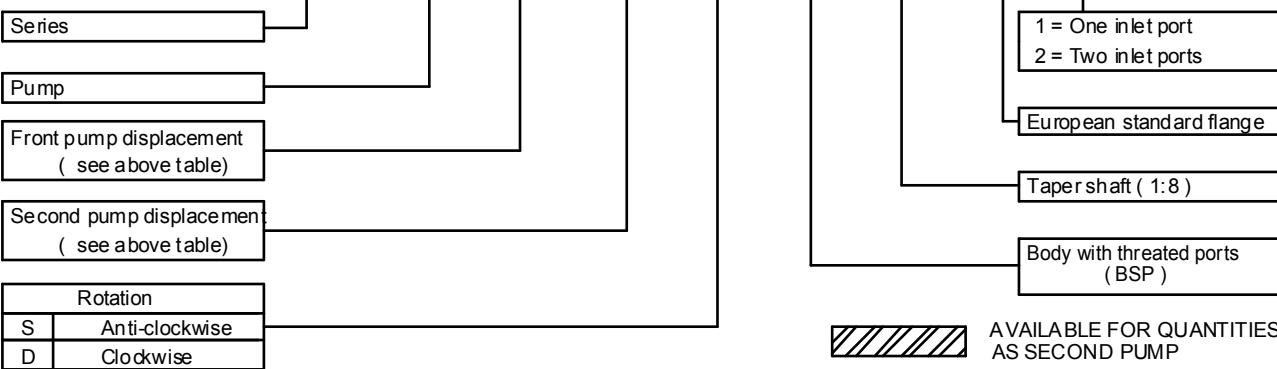
**VERSION: G18 P1**



Type	Displacement (cc/rev.)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m.)	Dimension A B (mm)		Absorbed torque at 150 bar (Nm)
OT 100 P07	0.73	200	240	4000	36.7	36.7	1.8
OT 100 P11	1.05	240	280	4000	37.8	37.8	2.4
OT 100 P16	1.55	260	300	4000	39.5	39.5	4.2
OT 100 P20	1.90	260	300	4000	40.9	40.9	5.2
OT 100 P26	2.50	260	300	4000	43.0	43.0	6.7
OT 100 P32	3.10	260	300	4000	45.0	45.0	8.3
OT 100 P40	3.80	260	300	3500	47.8	47.8	10.1
OT 100 P49	4.70	240	280	3500	50.9	50.9	12.7
OT 100 P58	5.55	200	240	3000	54.0	54.0	15.0
OT 100 P65	6.25	190	230	2750	56.5	56.5	16.8
OT 100 P79	7.60	170	220	2500	61.2	61.2	20.5

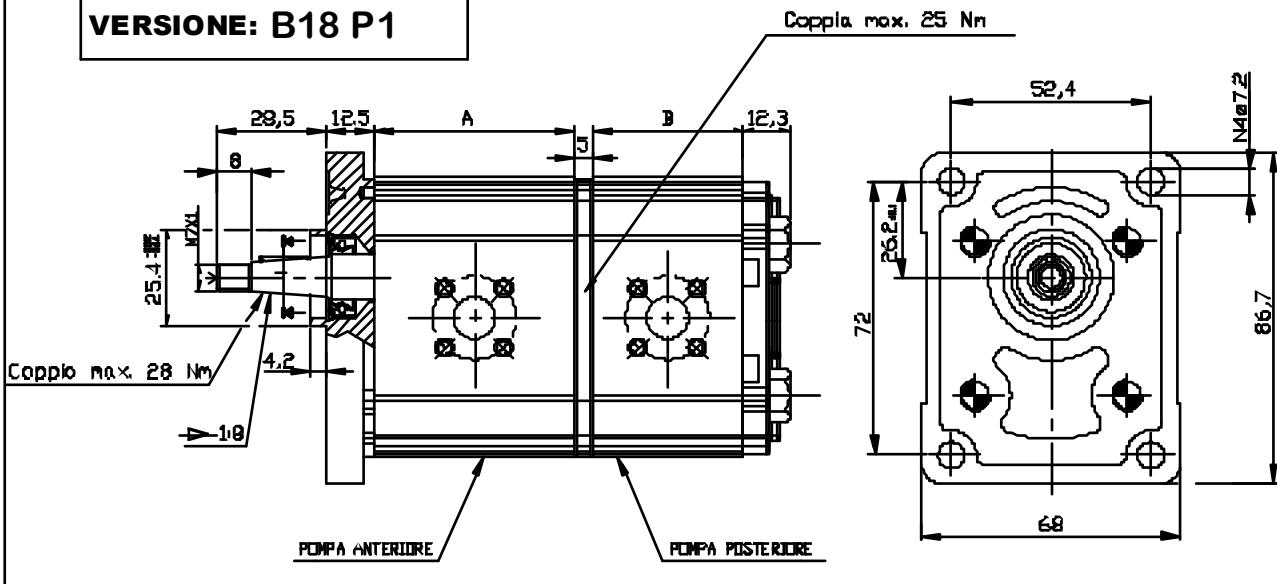
### EXAMPLE OF ORDERING CODE

OT100 P 40 / 20 S / G 18 P1 / 2



## POMPE GRUPPO 1- TANDEM

**VERSIONE: B18 P1**

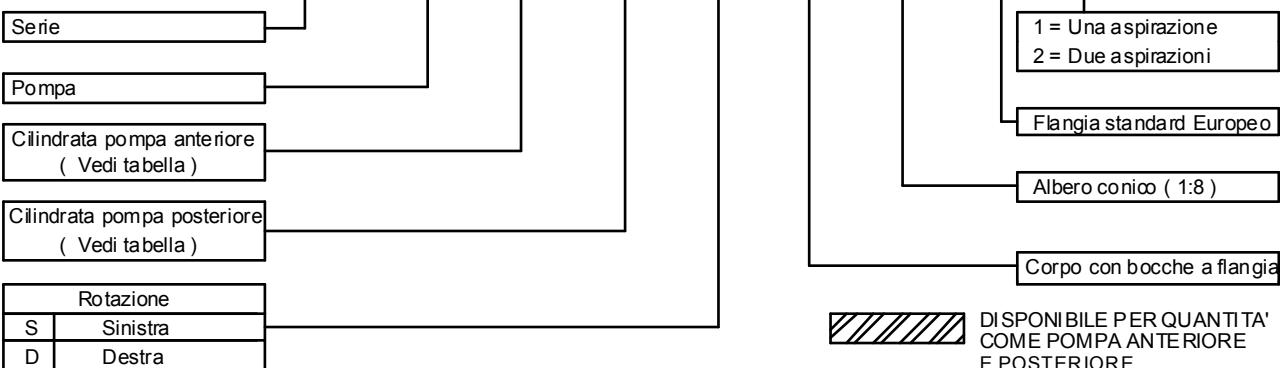


Bocca	a	b	c
mm	mm	Filet.	
Mandata	13	30	M6x12
Aspir.	13	30	M6x12

Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione A	Dimensione B	Coppia assorbita a 150 bar ( Nm )
OT 100 P07	0.73	200	240	4000	36.7	36.7	1.8
OT 100 P11	1.05	240	280	4000	37.8	37.8	2.4
OT 100 P16	1.55	260	300	4000	39.5	39.5	4.2
OT 100 P20	1.90	260	300	4000	40.9	40.9	5.2
OT 100 P26	2.50	260	300	4000	43.0	43.0	6.7
OT 100 P32	3.10	260	300	4000	45.0	45.0	8.3
OT 100 P40	3.80	260	300	3500	47.8	47.8	10.1
OT 100 P49	4.70	240	280	3500	50.9	50.9	12.7
OT 100 P58	5.55	200	240	3000	54.0	54.0	15.0
OT 100 P65	6.25	190	230	2750	56.5	56.5	16.8
OT 100 P79	7.60	170	220	2500	61.2	61.2	20.5

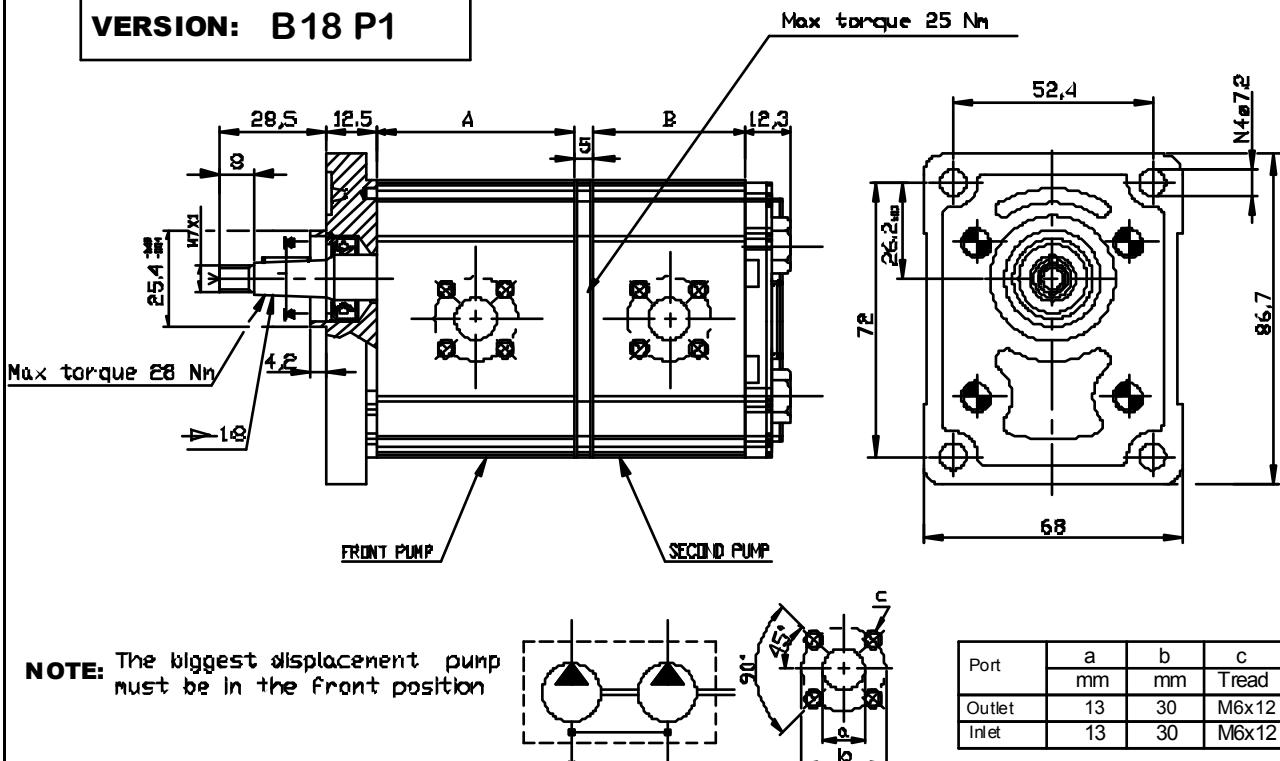
### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 40 / 20 S / B 18 P1 / 2



## GROUP 1 PUMPS- TANDEM PUMPS

**VERSION: B18 P1**



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A		Absorbed torque at 150 bar (Nm)
					B	(mm)	
OT 100 P07	0.73	200	240	4000	36.7	36.7	1.8
OT 100 P11	1.05	240	280	4000	37.8	37.8	2.4
OT 100 P16	1.55	260	300	4000	39.5	39.5	4.2
OT 100 P20	1.90	260	300	4000	40.9	40.9	5.2
OT 100 P26	2.50	260	300	4000	43.0	43.0	6.7
OT 100 P32	3.10	260	300	4000	45.0	45.0	8.3
OT 100 P40	3.80	260	300	3500	47.8	47.8	10.1
OT 100 P49	4.70	240	280	3500	50.9	50.9	12.7
OT 100 P58	5.55	200	240	3000	54.0	54.0	15.0
OT 100 P65	6.25	190	230	2750	56.5	56.5	16.8
OT 100 P79	7.60	170	220	2500	61.2	61.2	20.5

### EXAMPLE OF ORDERING CODE

OT100 P 40 / 20 S / B 18 P1 / 2

Series

Pump

Front pump displacement  
( see above table )

Second pump displacement  
( see above table )

Rotation

S	Anti-clockwise
D	Clockwise

1 = One inlet port  
2 = Two inlet ports

European standard flange

Taper shaft ( 1:8 )

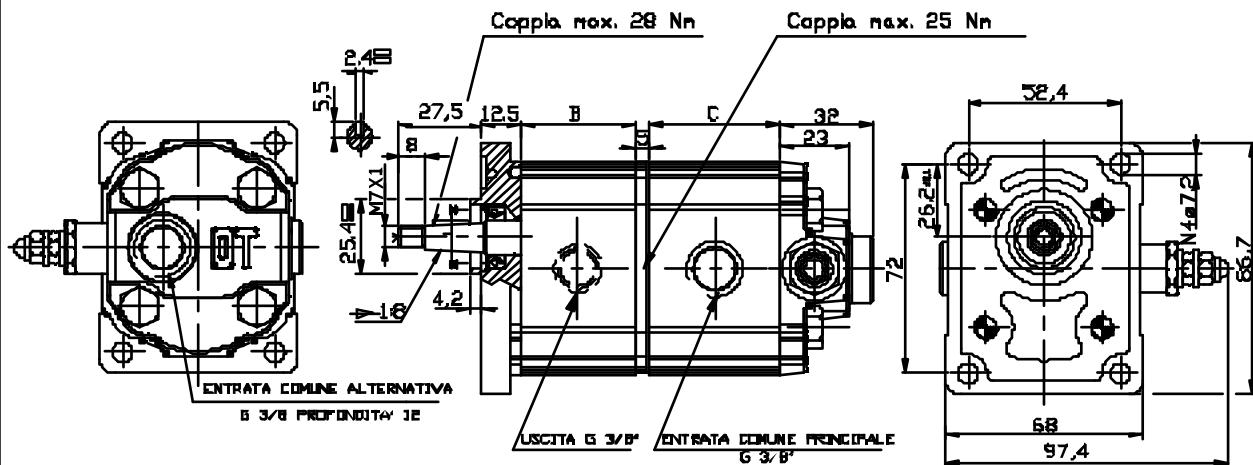
Body for European flanges



AVAILABLE FOR QUANTITIES  
AS SECOND PUMP

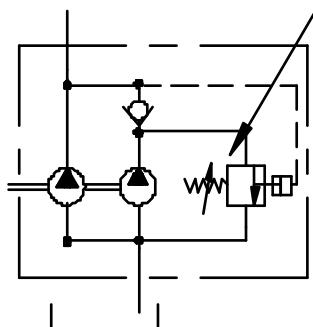
## POMPE GRUPPO 1- TANDEM CON SEQUENZA

**VERSIONE: G18 P1-SV**



POMPA FRONTALE				
TIPO	P1	P3	B	Cy
OT 100 P11	240	280	<b>37.8</b>	1.05
OT 100 P16	260	300	<b>39.5</b>	1.45
OT 100 P20	260	300	<b>40.9</b>	1.80
OT 100 P26	260	300	<b>43</b>	2.45
OT 100 P32	260	300	<b>40.9</b>	3.05
OT 100 P40	260	300	<b>43</b>	3.80

CAMPO 15/25 bar ( molla blu )  
CAMPO 26/65 bar ( molla rossa )

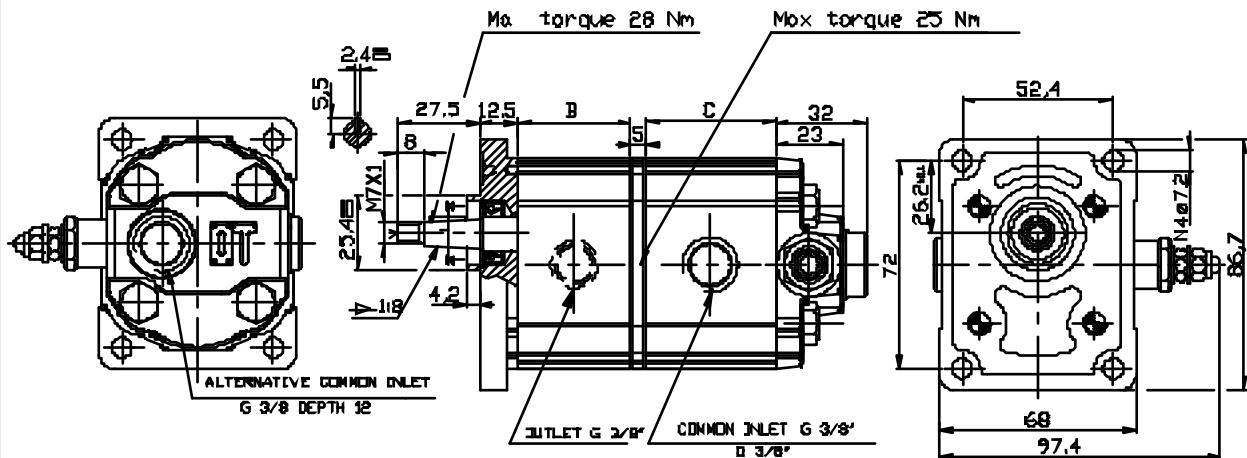


P1 = PRESSIONE DI LAVORO (bar)  
P3 = PRESSIONE DI PICCO (bar)  
Cy = CILINDRATA (cc/giro)

ESEMPIO DI CODICE D'ORDINAZIONE									
OT100	P	11	/	49	S	/	G	18	P1 - SV
Serie									Taratura 120 bar
Pompa									Valvola di sequenza
Cilindrata pompa frontale ( Vedere tabella )									Flangia standard europeo
Cilindrata pompa posteriore ( Vedere tabella )									Albero conico 1:8
Rotazione	S	Sinistra							Corpo con bocche filettate ( GAS )
	D	Destra							
					Vedi corrispondenti singole				

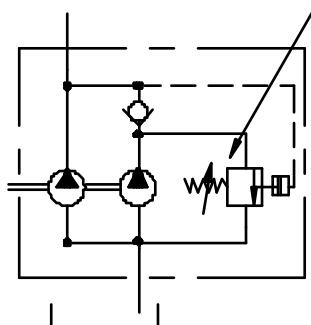
## GROUP 1 PUMPS - TANDEM WITH SEQUENCE VALVE HI-LOW

**VERSION: G18 P1-SV**



FRONT PUMP				
TIPO	P1	P3	B	Cy
OT 100 P1L	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

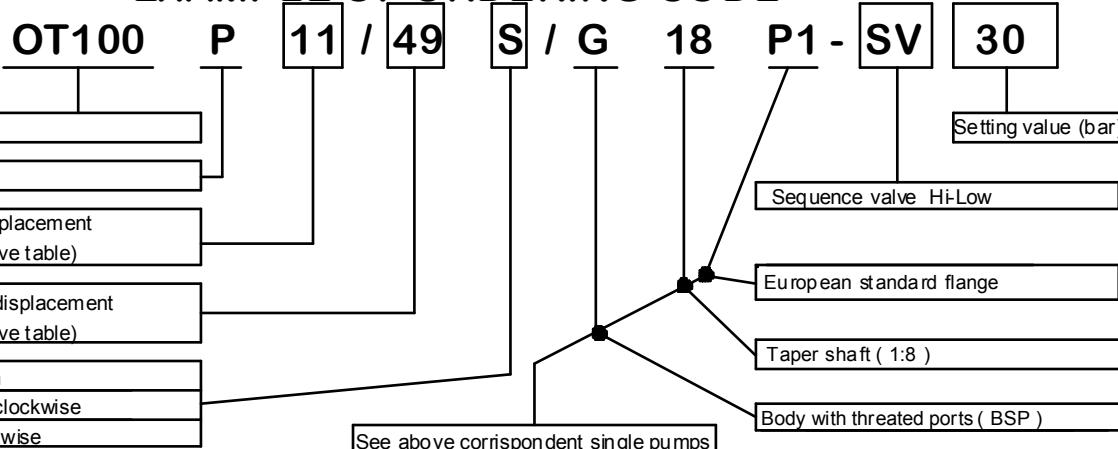
RANGE 15/25 bar < blue spring >  
RANGE 25/65 bar < red spring >



SECOND PUMP			
TIPO	P1	C	Cy
OT 100 P26	15/65	43	2.4
OT 100 P40	15/65	47.8	3.8
OT 100 P49	15/65	50.9	4.6
OT 100 P65	15/65	50.9	6.2

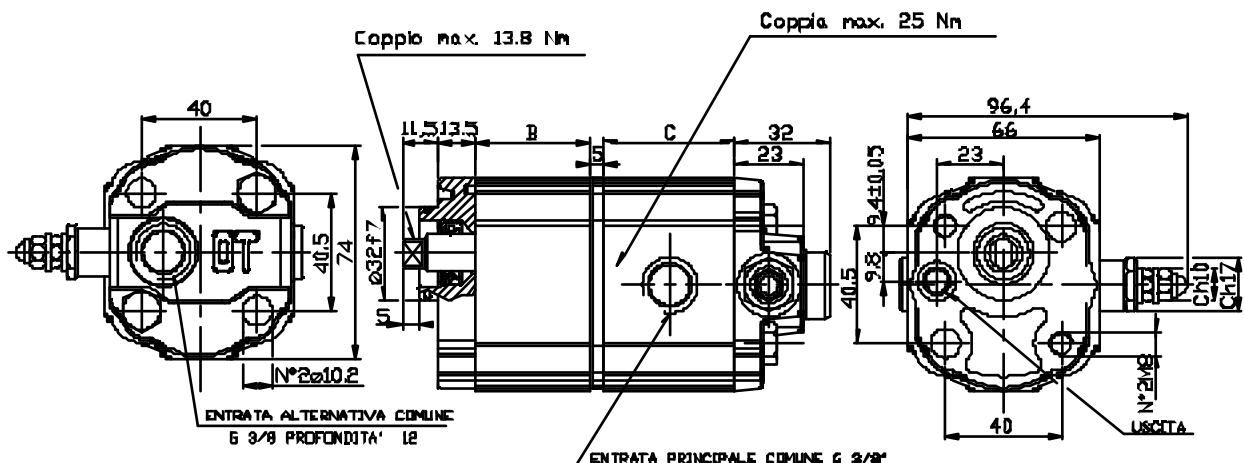
P1 = working pressure (bar)  
P3 = peak pressure (bar)  
Cy = displacement (cc/rev.)

### EXAMPLE OF ORDERING CODE



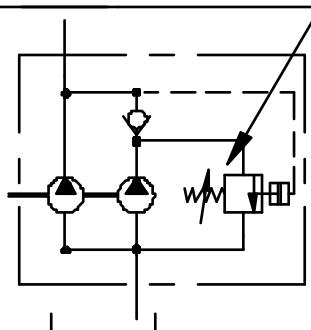
## POMPE GRUPPO 1- TANDEM CON SEQUENZA

**VERSIONE: N14 B1-SV**



POMPA FRONTALE				
TIPO	P1	P3	B	Cy
OT 100 P11	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

CAMPIONE 15/25 bar < molla blu >  
CAMPIONE 26/65 bar < molla rossa >

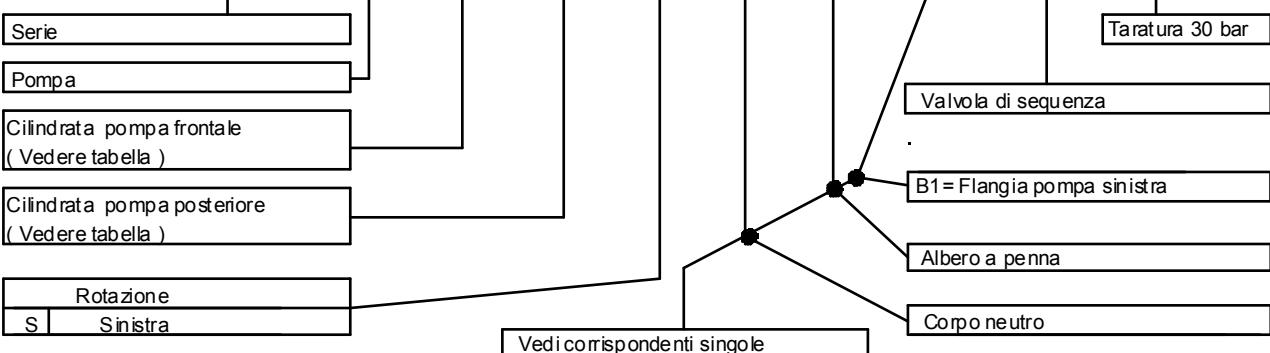


POMPA POSTERIORE			
TIPO	P1	C	Cy
OT 100 P26	15/65	43	2.4
OT 100 P40	15/65	47.8	3.8
OT 100 P49	15/65	50.9	4.6
OT 100 P65	15/65	50.9	6.2

P1 = PRESSIONE DI LAVORO (bar)  
P3 = PRESSIONE DI PICCO (bar)  
Cy = CILINDRATA (cc/giro)

### ESEMPIO DI CODICE D'ORDINAZIONE

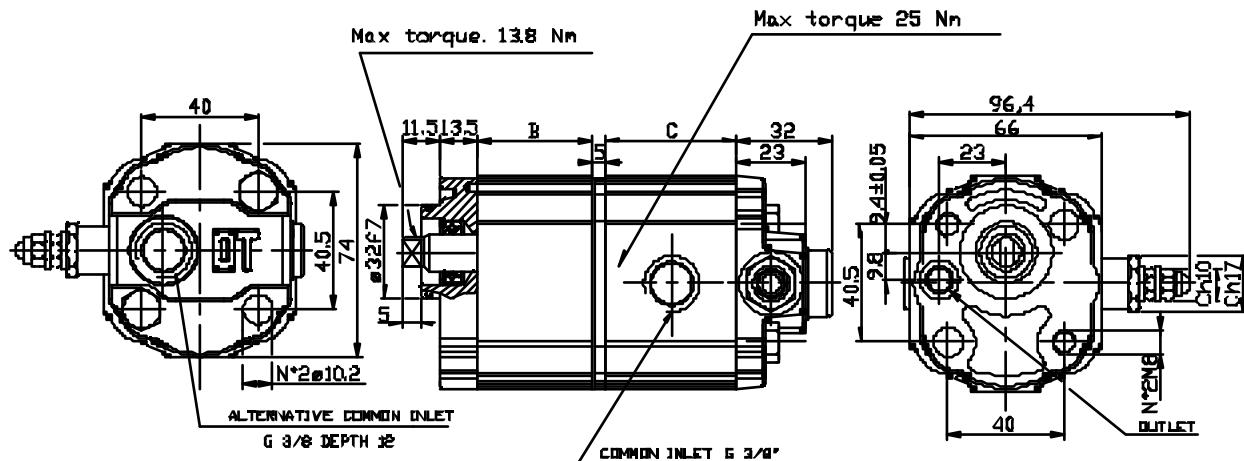
OT100 P 11 / 49 S / N 14 B1 - SV 30



Vedi corrispondenti singole

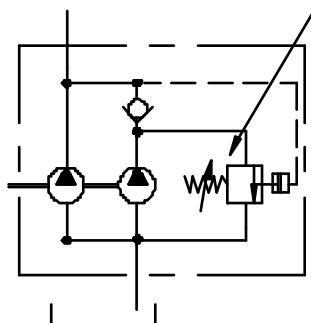
## GROUP 1 PUMPS- TANDEM WITH SEQUENCE VALVE HI-LOW

**VERSION: N14 B1-SV**



FRONT PUMP				
TIPO	P1	P3	B	Cy
OT 100 P11	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

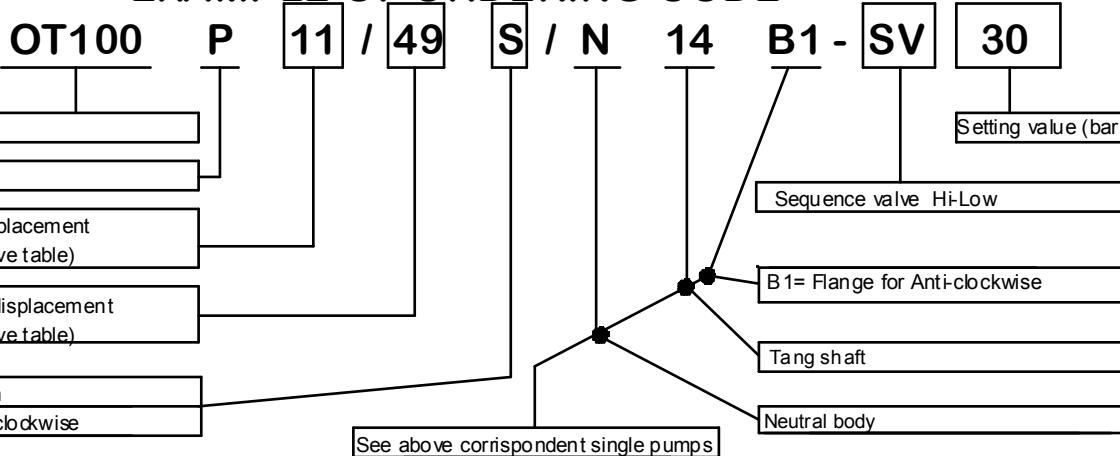
RANGE 15/25 bar < blue spring >  
RANGE 25/65 bar < red spring >



SECOND PUMP			
TIPO	P1	C	Cy
OT 100 P26	15/65	43	2.4
OT 100 P40	15/65	47.8	3.8
OT 100 P49	15/65	50.9	4.6
OT 100 P65	15/65	50.9	6.2

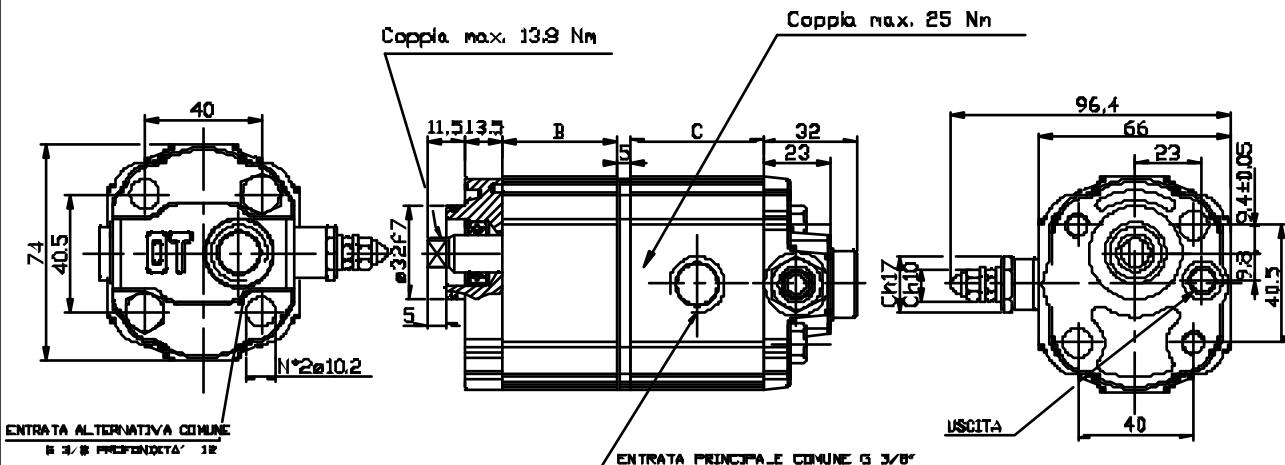
P1 = work pressure (bar)  
P3 = peak pressure (bar)  
Cy = displacement (cc/rev.)

### EXAMPLE OF ORDERING CODE



## POMPE GRUPPO 1- TANDEM CON SEQUENZA

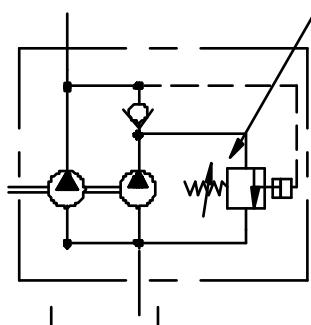
**VERSIONE: N14 B2-SV**



### POMPA FRONTALE

TIPO	P1	P3	B	Cy
OT 100 P11	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

CAMPO 15/25 bar ( molla blu )  
CAMPO 26/65 bar ( molla rossa )



### POMPA POSTERIORE

TIPO	P1	C	Cy
OT 100 P26	15/65	43	2.4
OT 100 P40	15/65	47.8	3.8
OT 100 P49	15/65	50.9	4.6
OT 100 P65	15/65	50.9	6.2

P1 = PRESSIONE DI LAVORO (bar)

P3 = PRESSIONE DI PICCO (bar)

Cy = CILINDRATA (cc/giro )

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 11 / 49 D / N 14 B2 - SV 30

Serie

Pompa

Cilindrata pompa frontale  
( Vedere tabella )

Cilindrata pompa posteriore  
( Vedere tabella )

Rotazione  
D Destra

11 / 49

D / N

14

B2 - SV

30

Taratura 30 bar

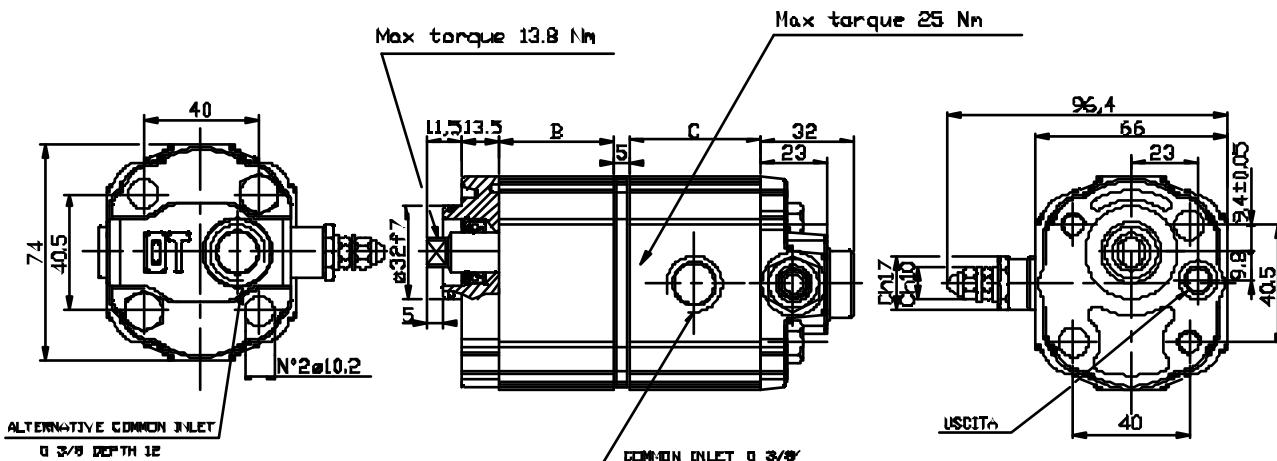
Valvola di sequenza

B2= Flangia pompa destra

Albero a penna

Corpo neutro

Vedi corrispondenti singole

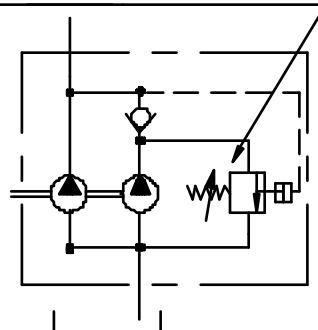
**GROUP 1 PUMPS - WITH SEQUENCE VALVE HI-LOW**
**VERSION: N14 B2-VS**


FRONT PUMP				
TIPO	P1	P3	B	Cy
OT 100 P11	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

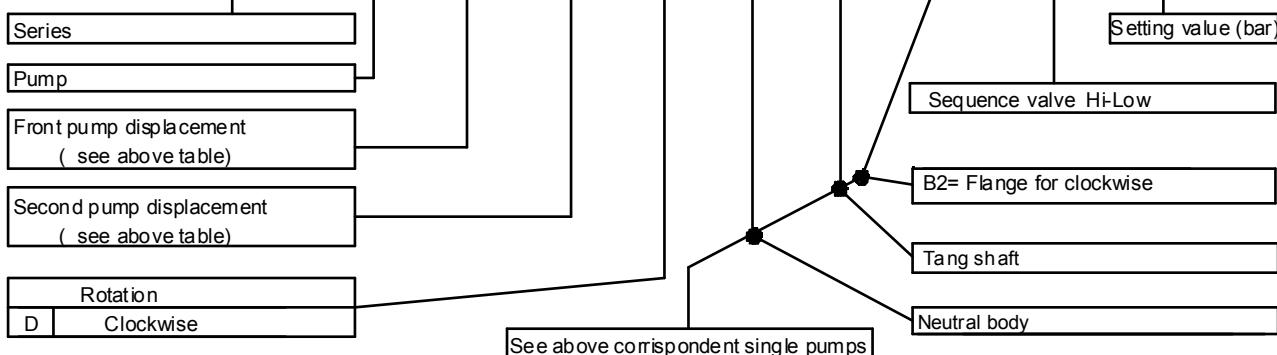
SECOND PUMP			
TIPO	P1	C	Cy
OT 100 P26	15/55	43	2.4
OT 100 P40	15/55	47.8	3.8
OT 100 P49	15/55	50.9	4.6
OT 100 P65	15/55	50.9	6.2

P1 = work pressure (bar)  
 P3 = peak pressure (bar)  
 Cy = displacement (cc/rev)

RANGE 15/25 bar ( blue spring )  
 RANGE 23/65 bar ( red spring )


**EXAMPLE OF ORDERING CODE**

OT100 P **11 / 49** D / N **14** B2 - **SV** **30**



## MOTORI GRUPPO 1

### PARAMETRI DI FUNZIONAMENTO MOTORI UNIDIREZIONALI OT100

MOTORE TIPO	CILINDRATA cm <sup>3</sup> /giro	PRESSIONE MAX.			VELOCITA' MAX min <sup>-1</sup>	VELOCITA' MIN min <sup>-1</sup>
		P1	P2	P3		
		bar				
OT100 M16	<b>1.45</b>	250	280	300	<b>5000</b>	<b>600</b>
OT100 M20	<b>1.80</b>					
OT100 M25	<b>2.45</b>					
OT100 M32	<b>3.05</b>					
OT100 M40	<b>3.80</b>	200	220	240	<b>4500</b>	<b>500</b>
OT100 M49	<b>4.70</b>					
OT100 M58	<b>5.55</b>					
OT100 M65	<b>6.25</b>	170	190	220	<b>3500</b>	
OT100 M79	<b>7.60</b>					

P1= Pressione max. continua

P2= Pressione max. intermittente

P3= Pressione max. di punta

**PER LE DIMENSIONI GEOMETRICHE CONSULTARE  
I DATI TECNICI DELLE RISPETTIVE POMPE SINGOLE**

## GROUP 1 MOTORS

### OT100 SINGLE ROTATION MOTORS GENERAL DATA

MOTOR TYPE	DISPLACEMENT cc / rev	MAX. PRESSURE			MAX. SPEED rev	MIN. SPEED rev	
		P1	P2	P3			
		bar					
OT100 M16	<b>1.45</b>	<b>250</b>	<b>280</b>	<b>300</b>	<b>5000</b>	<b>600</b>	
OT100 M20	<b>1.80</b>						
OT100 M25	<b>2.45</b>						
OT100 M32	<b>3.05</b>				<b>4500</b>		
OT100 M40	<b>3.80</b>						
OT100 M49	<b>4.70</b>	<b>200</b>	<b>220</b>	<b>240</b>			
OT100 M58	<b>5.55</b>	<b>200</b>	<b>210</b>	<b>230</b>			
OT100 M65	<b>6.25</b>	<b>170</b>	<b>190</b>	<b>220</b>	<b>3500</b>	<b>500</b>	
OT100 M79	<b>7.60</b>						

**P1= Max. continuous pressure**

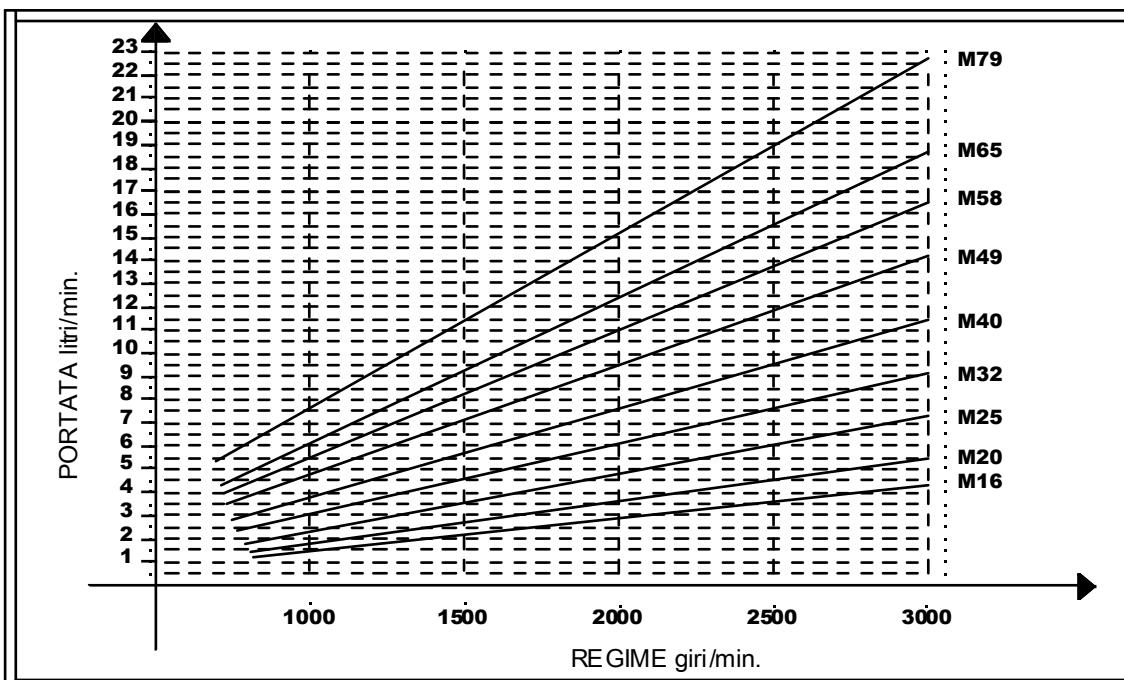
**P2= Max. intermittent pressure**

**P3= Max. peak pressure**

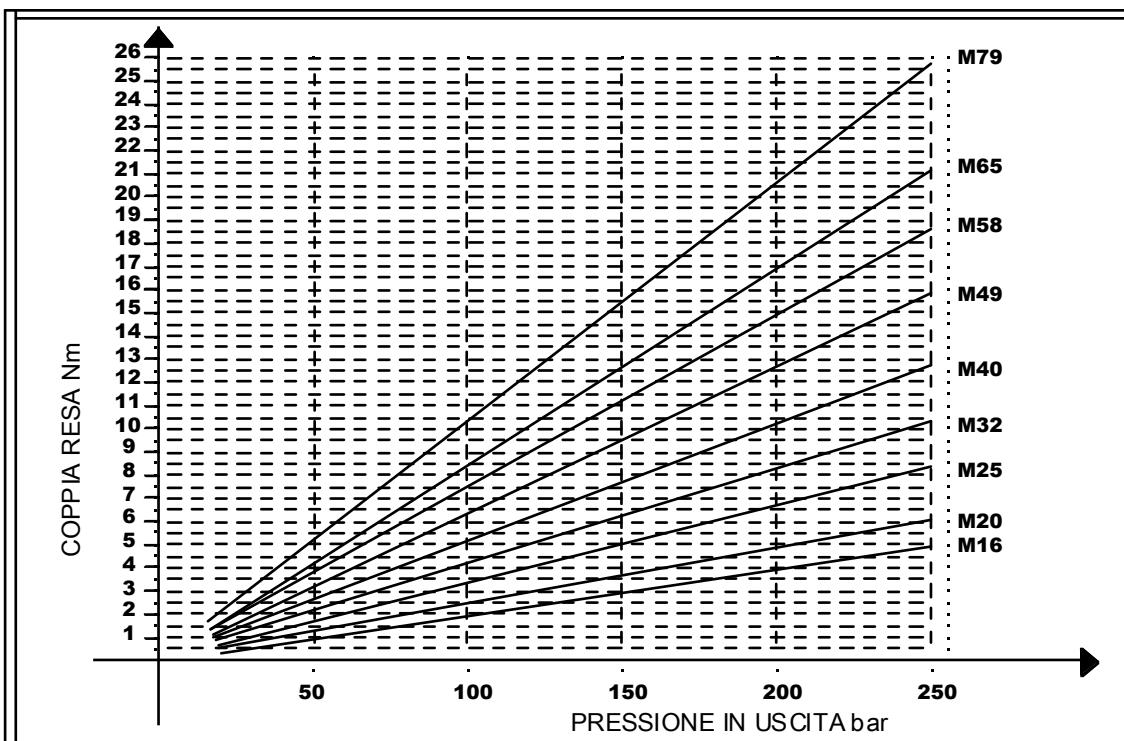
**FOR DIMENSION PLEASE CHECK  
RELATIVE SINGLE PUMP TABLES**

## MOTORI GRUPPO 1

### CURVE CARATTERISTICHE DI PORTATA



### COPPIA RESA

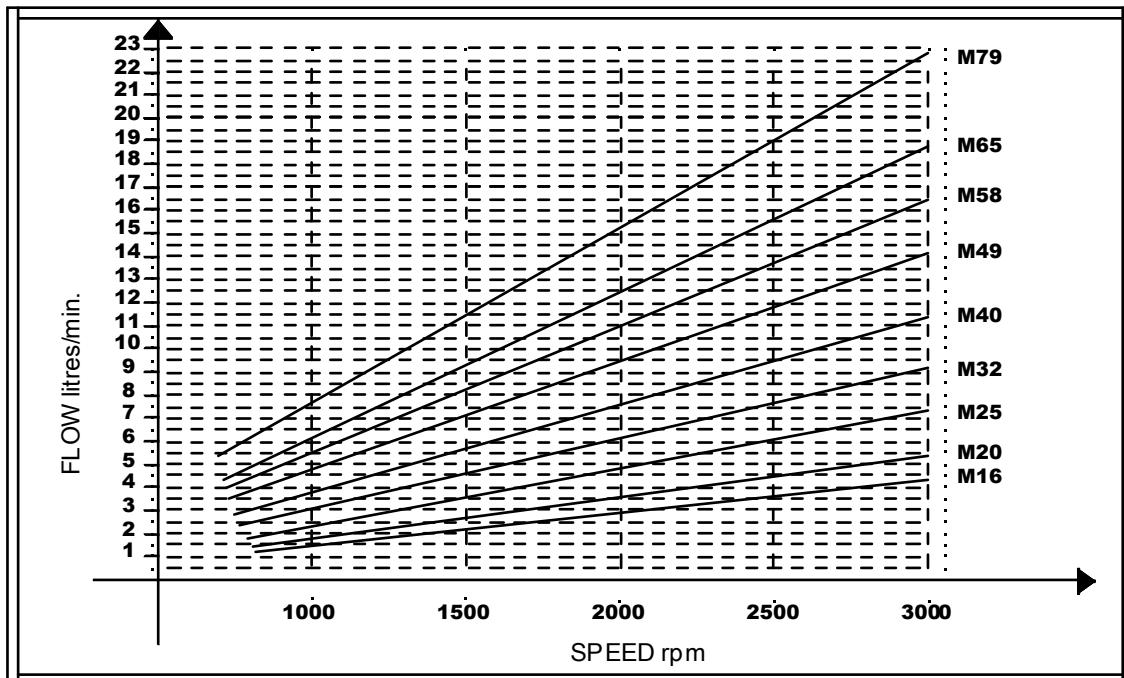


### NOTE

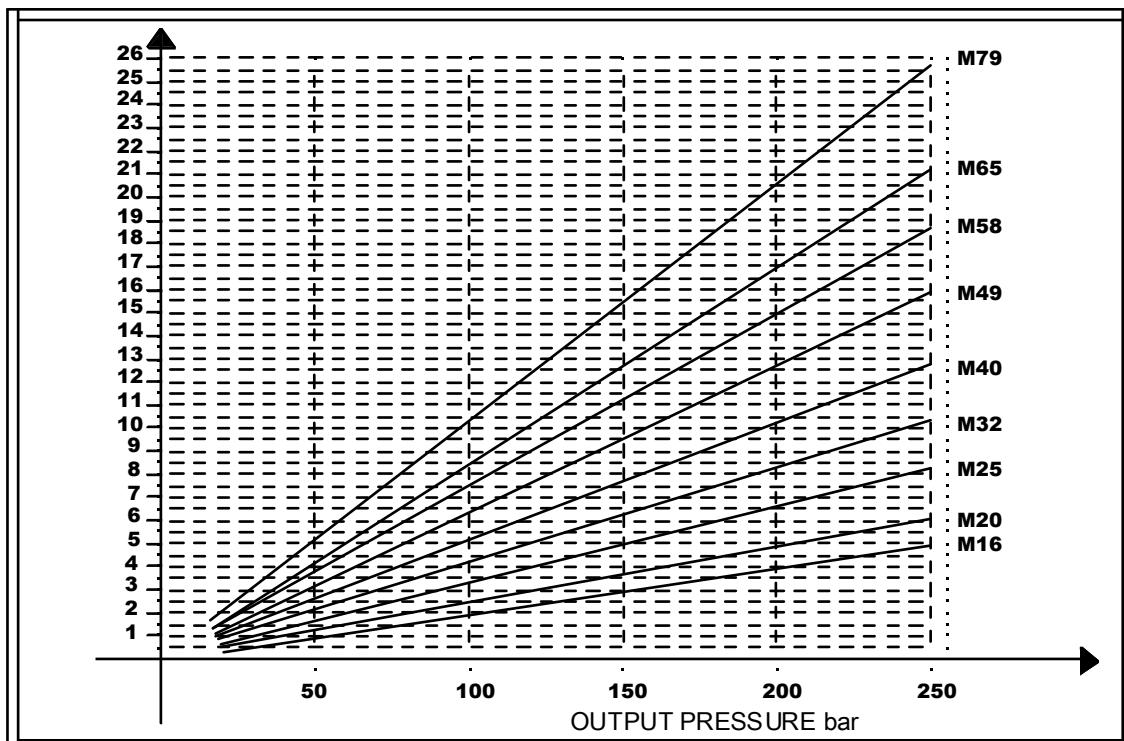
Le curve caratteristiche di portata sono state tracciate alla pressione P1

## GROUP 1 MOTORS

### FLOW CHARACTERISTICS CURVES



### ABSORBED TORQUE



### NOTE

The flow characteristics curves have been made at P1 pressure.

## MOTORI GRUPPO 1

### DETERMINAZIONE DI UN MOTORE

V	<b>Cilindrata</b>	<b>cm<sup>3</sup>/giro</b>
Q	<b>Portata</b>	<b>l/min</b>
P	<b>Potenza</b>	<b>kW</b>
C	<b>Coppia</b>	<b>N · m</b>
N	<b>Velocità'</b>	<b>g/min</b>
ΔP	<b>Pressione</b>	<b>bar</b>
n <sub>v</sub>	<b>Rendimento volumetrico</b>	<b>0.95</b>
n <sub>m</sub>	<b>Rendimento meccanico</b>	<b>0.85</b>
n <sub>t</sub>	<b>Rendimento totale</b>	<b>0.81</b>

$$Q = \frac{V \cdot N \cdot 10^{-3}}{n_v} \quad \text{l/min}$$

$$C = \frac{\Delta P \cdot V \cdot n_m}{62.8} \quad \text{N · m}$$

$$P = \frac{\Delta P \cdot V \cdot N \cdot n_t}{612000} \quad \text{kW}$$

## GROUP 1 MOTORS

### MOTOR CALCULATION

V	Displacement	cc/rev
Q	Flow	l/min
P	Power	kW
C	Torque	N · m
N	Speed	rpm
ΔP	Pressure	bar
n <sub>v</sub>	Volumetric efficiency	0.95
n <sub>m</sub>	Mechanical efficiency	0.85
n <sub>t</sub>	Total efficiency	0.81

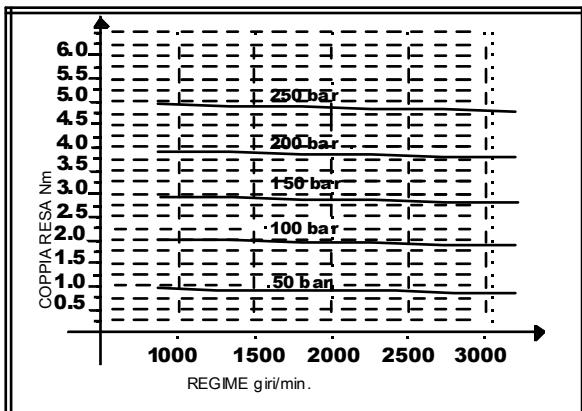
$$Q = \frac{V \cdot N \cdot 10^{-3}}{n_v} \quad \text{l/min}$$

$$C = \frac{\Delta P \cdot V \cdot n_m}{62.8} \quad \text{N · m}$$

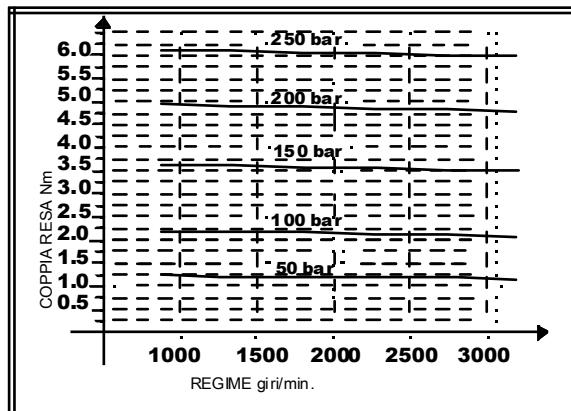
$$P = \frac{\Delta P \cdot V \cdot N \cdot n_t}{612000} \quad \text{kW}$$

## MOTORI GRUPPO 1 - CURVE CARATTERISTICHE COPPIA

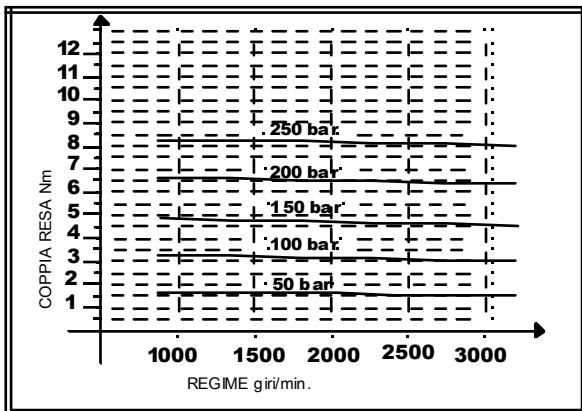
**MOTORI OT 100 M16**



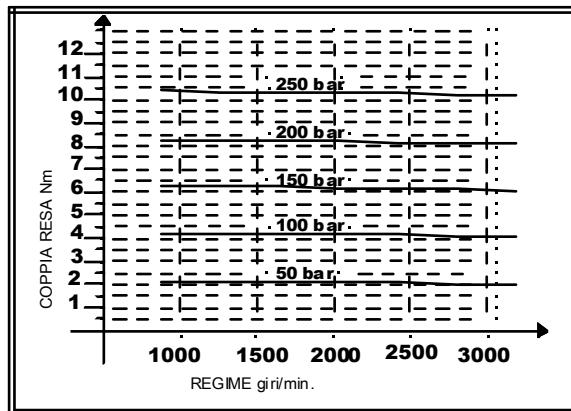
**MOTORI OT 100 M20**



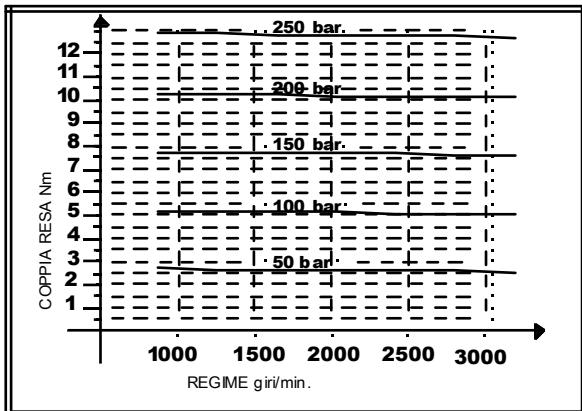
**MOTORI OT 100 M25**



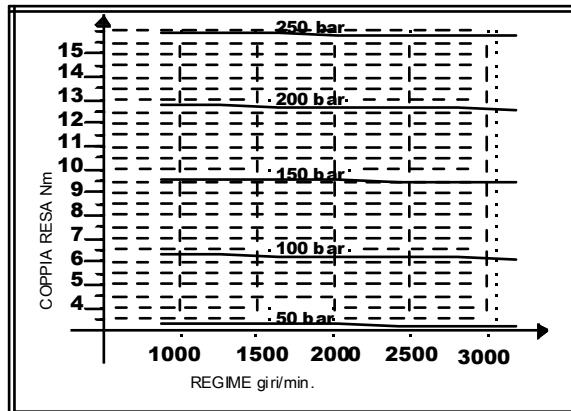
**MOTORI OT 100 M32**



**MOTORI OT 100 M40**

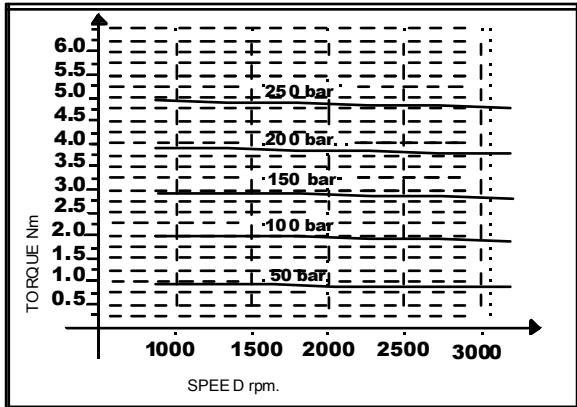


**MOTORI OT 100 M49**

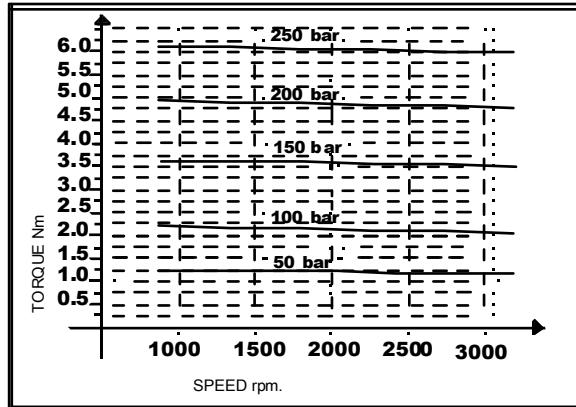


## GROUP 1 MOTORS - TORQUE CHARACTERISTICS CURVES

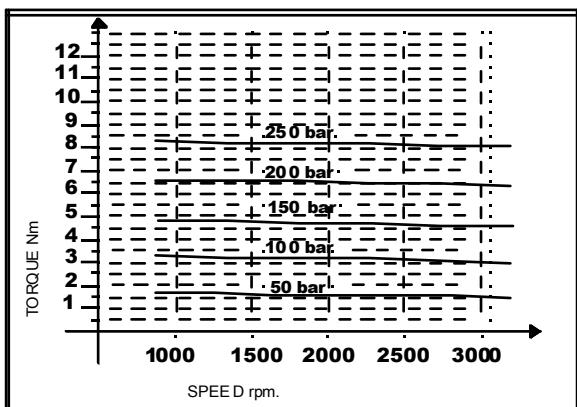
**MOTORS OT100 M16**



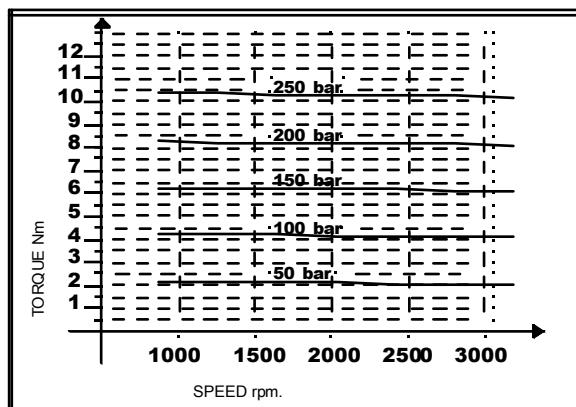
**MOTORS OT100 M20**



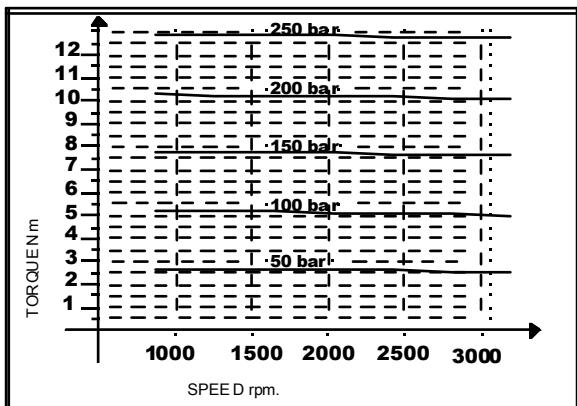
**MOTORS OT100 M25**



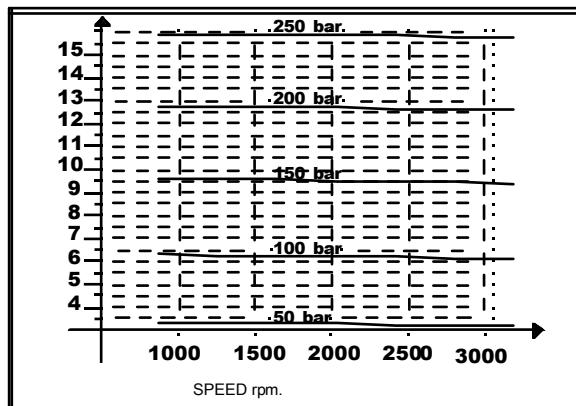
**MOTORS OT100 M32**



**MOTORS OT100 M40**

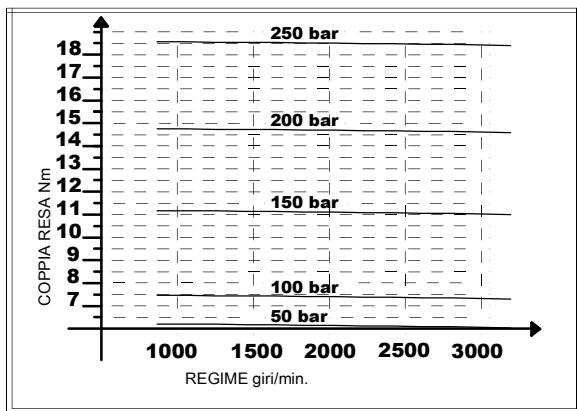


**MOTORS OT100 M49**

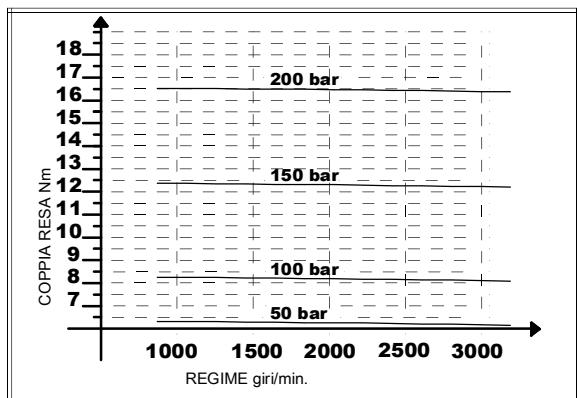


## MOTORI GRUPPO 1 - CURVE CARATTERISTICHE COPPIA

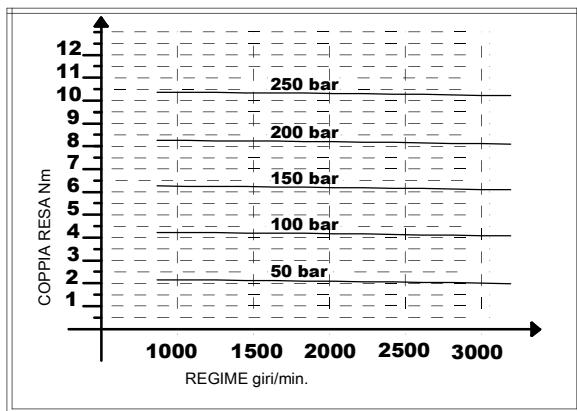
**MOTORI OT100 M58**



**MOTORI OT100 M65**

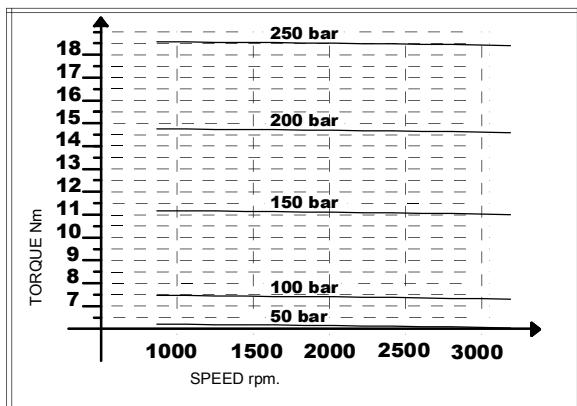


**MOTORI OT100 M79**

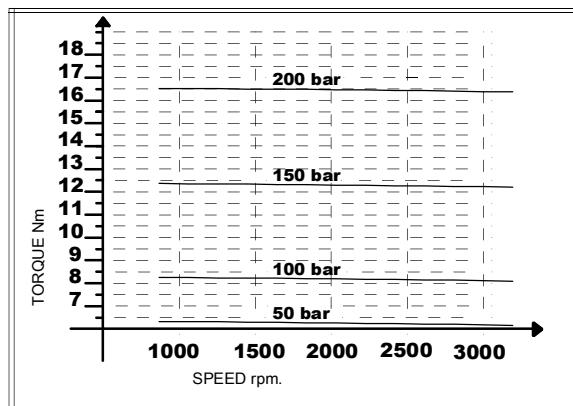


## GROUP 1 MOTORS - TORQUE CHARACTERISTICS CURVES

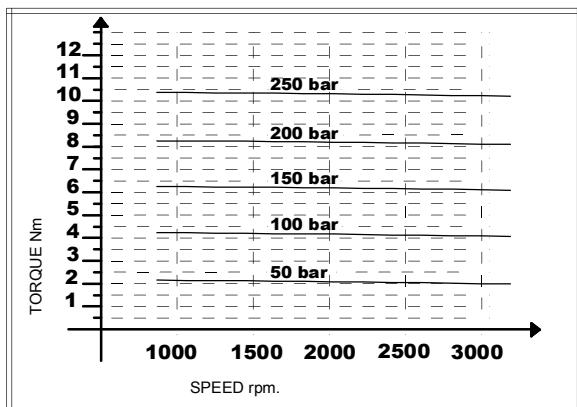
**MOTORS OT100 M58**



**MOTORS OT100 M65**

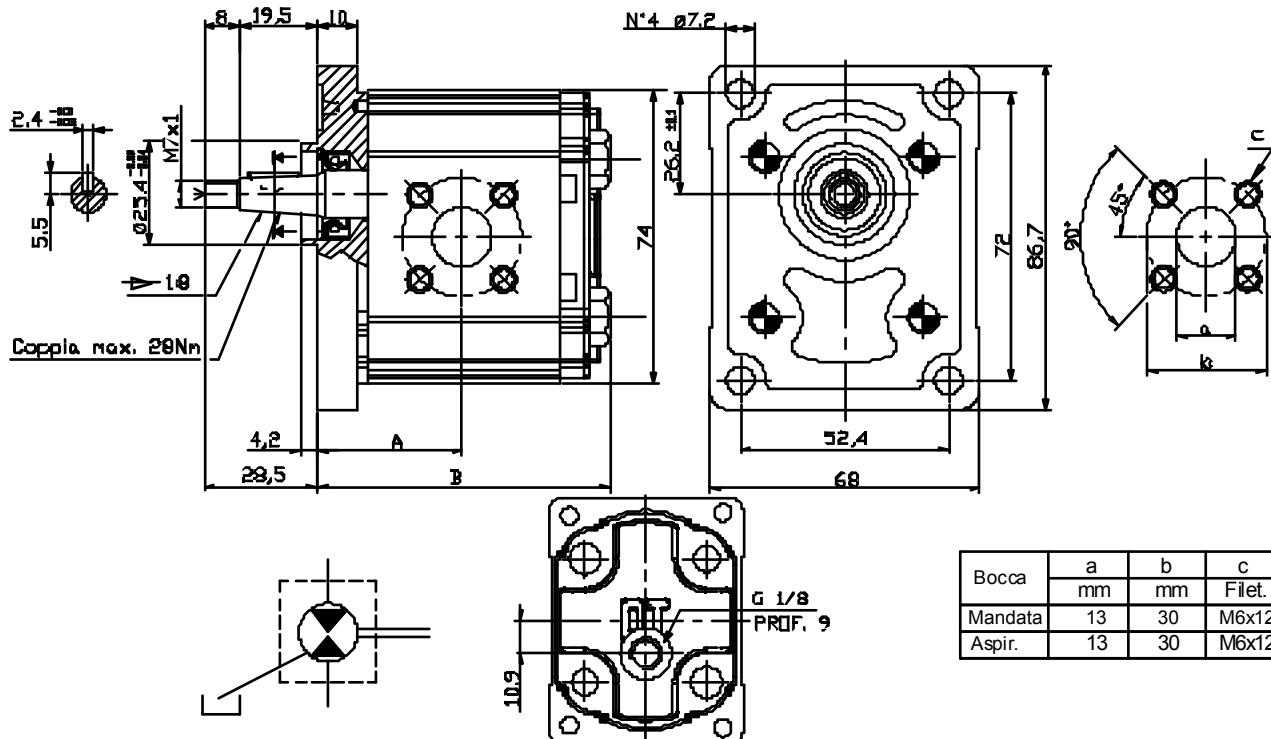


**MOTORS OT100 M79**



## MOTORI REVERSIBILI GRUPPO 1- STANDARD EUROPEO

**VERSIONE: B 18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione A		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico
					B	A		
<b>OT 100 M16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1009083R
<b>OT 100 M20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1009084R
<b>OT 100 M25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1009085R
<b>OT 100 M32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1009086R
<b>OT 100 M40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1009087R
<b>OT 100 M49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1009088R
<b>OT 100 M58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1009089R
<b>OT 100 M65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1009090R
<b>OT 100 M79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1019091R

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 M 20 R / B 18 P1

Serie

Flangia standard Europeo

Motore

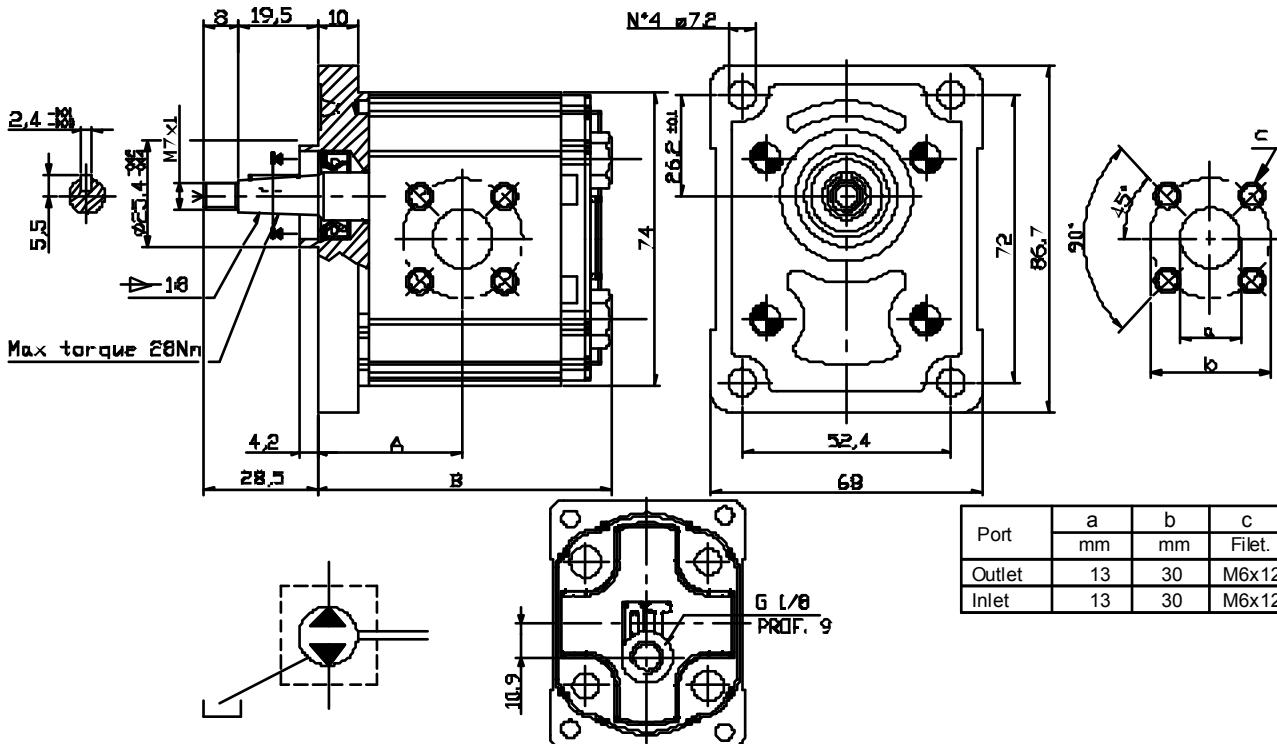
Albero conico ( 1:8 )

Cilindrata ( vedere tabella )

Corpo con bocche a flangia

Rotazione  
R Reversibile

Coppia di serraggio viti : 25 ; 28 Nm

**GROUP 1 REVERSIBLE MOTORS - EUROPEAN STANDARD**
**VERSION: B18 P1**

**Displacement**

Type	(cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m.)	Dimension A   B (mm)	Absorbed torque at 150 bar (Nm)	Code
<b>OT 100 M16</b>	1.45	180	230	5000	32.75   67.3	4.2	PS1009083R
<b>OT 100 M20</b>	1.80	210	250	5000	33.45   68.7	5.2	PS1009084R
<b>OT 100 M25</b>	2.45	210	250	5000	34.50   70.8	6.7	PS1009085R
<b>OT 100 M32</b>	3.05	210	250	5000	35.50   72.8	8.3	PS1009086R
<b>OT 100 M40</b>	3.80	210	250	4500	36.90   75.6	10.1	PS1009087R
<b>OT 100 M49</b>	4.70	200	240	4500	38.45   78.7	12.7	PS1009088R
<b>OT 100 M58</b>	5.55	200	220	4000	40.00   81.8	15.0	PS1009089R
<b>OT 100 M65</b>	6.25	180	210	3750	41.25   84.3	16.8	PS1009090R
<b>OT 100 M79</b>	7.60	160	200	3500	43.60   89.0	20.5	PS1019091R

**EXAMPLE OF ORDERING CODE**
**OT100 M 20 R / B 18 P1**

Series

European standard flange

Motor

Taper shaft ( 1:8 )

Displacement ( see above table )

Body for European flanges

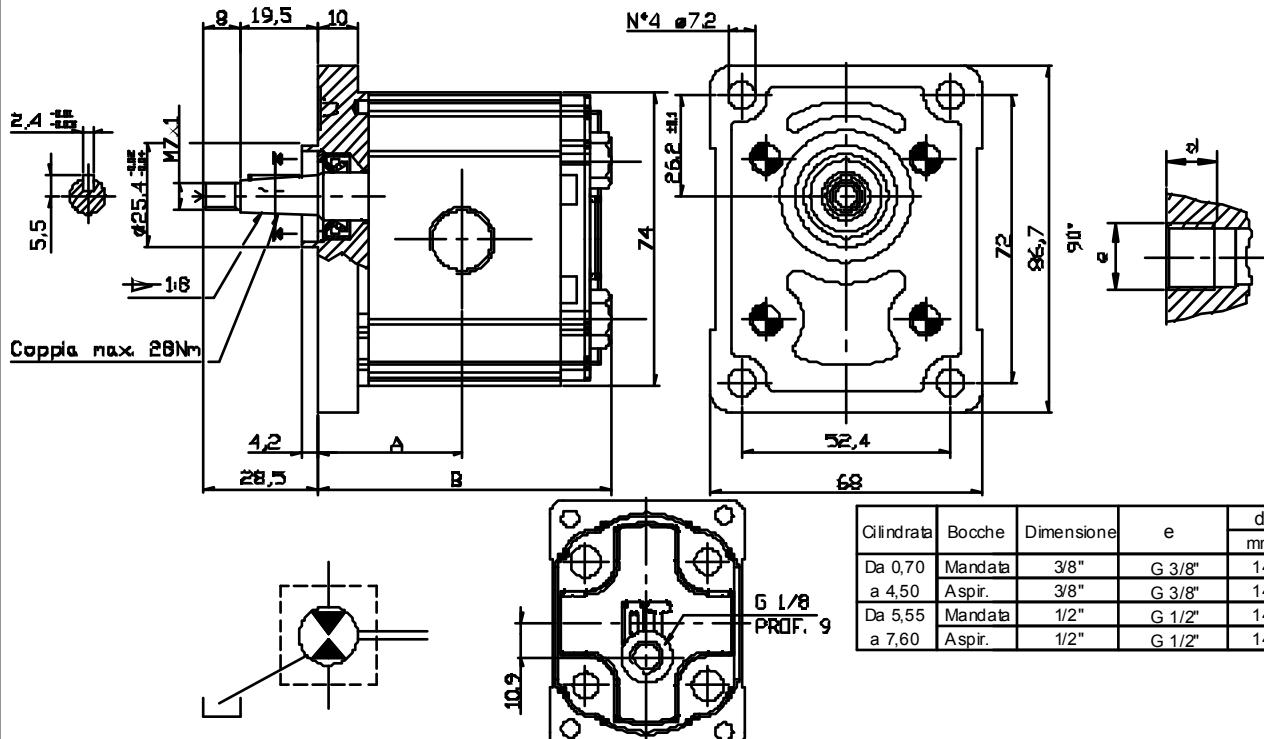
Rotation

R Reversible

 Screws tightening torque : 25-28 Nm

## MOTORI REVERSIBILI GRUPPO 1 - STANDARD EUROPEO

**VERSIONE: G 18 P1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocità massima ( giri/min. )	Dimensione A   B ( mm )		Coppia assorbita a 150 bar ( Nm )	Codice anagrafico
					A	B		
<b>OT 100 M16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1009063R
<b>OT 100 M20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1009064R
<b>OT 100 M25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1009065R
<b>OT 100 M32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1009066R
<b>OT 100 M40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1009067R
<b>OT 100 M49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1009068R
<b>OT 100 M58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1009069R
<b>OT 100 M65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1009070R
<b>OT 100 M79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1019071R

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 M 20 R / G 18 P1

Serie

Motore

Cilindrata ( vedere tabella )

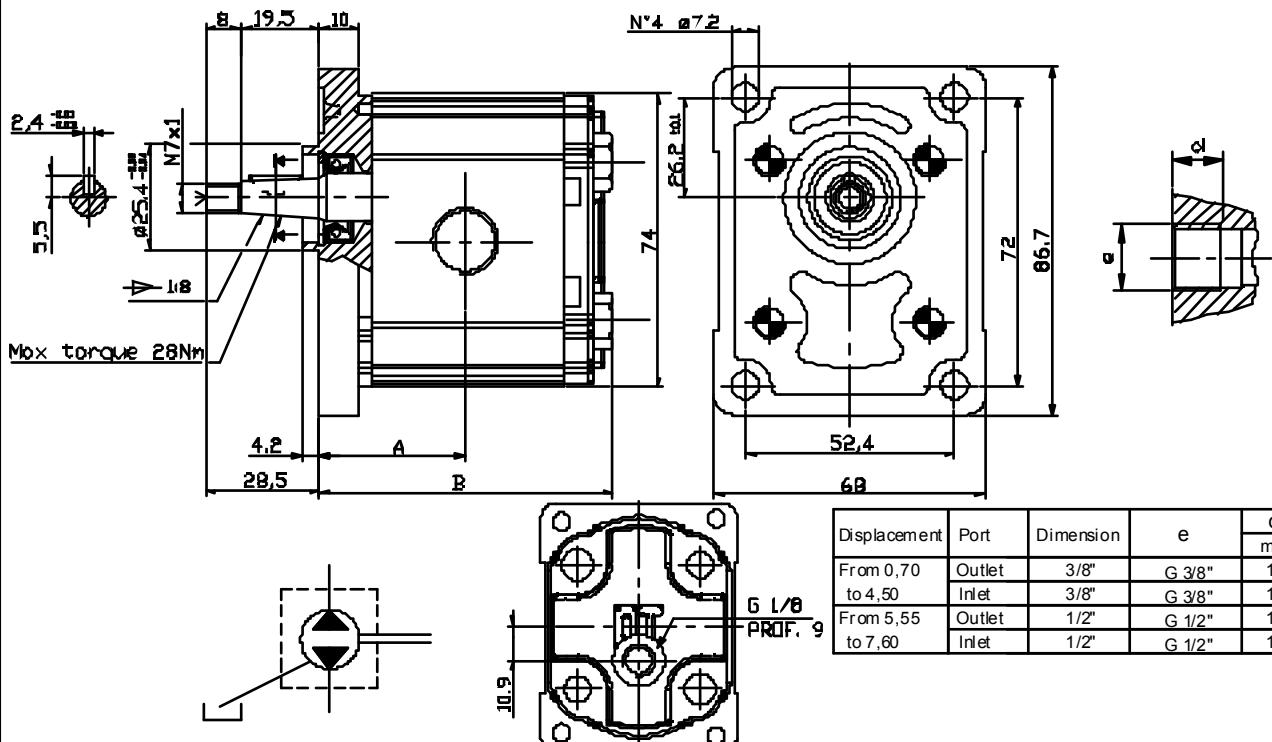
Rotazione  
R Reversibile

Flangia standard Europeo

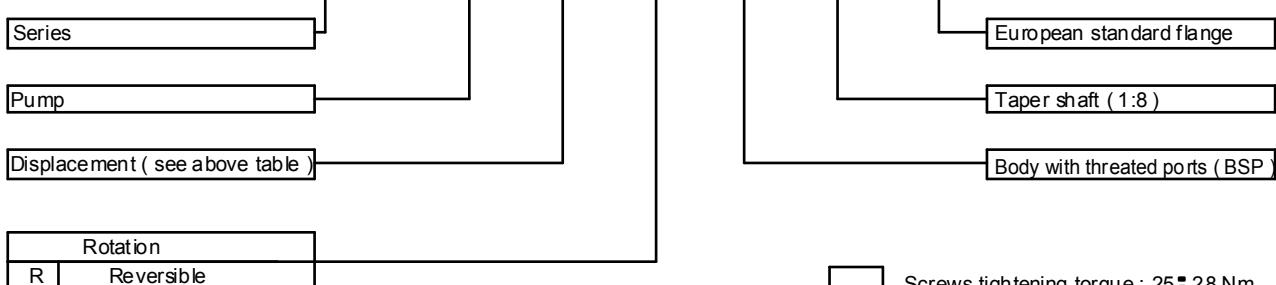
Albero conico ( 1:8 )

Corpo con bocche filett.BSP

Coppia di serraggio viti : 25 : 28 Nm

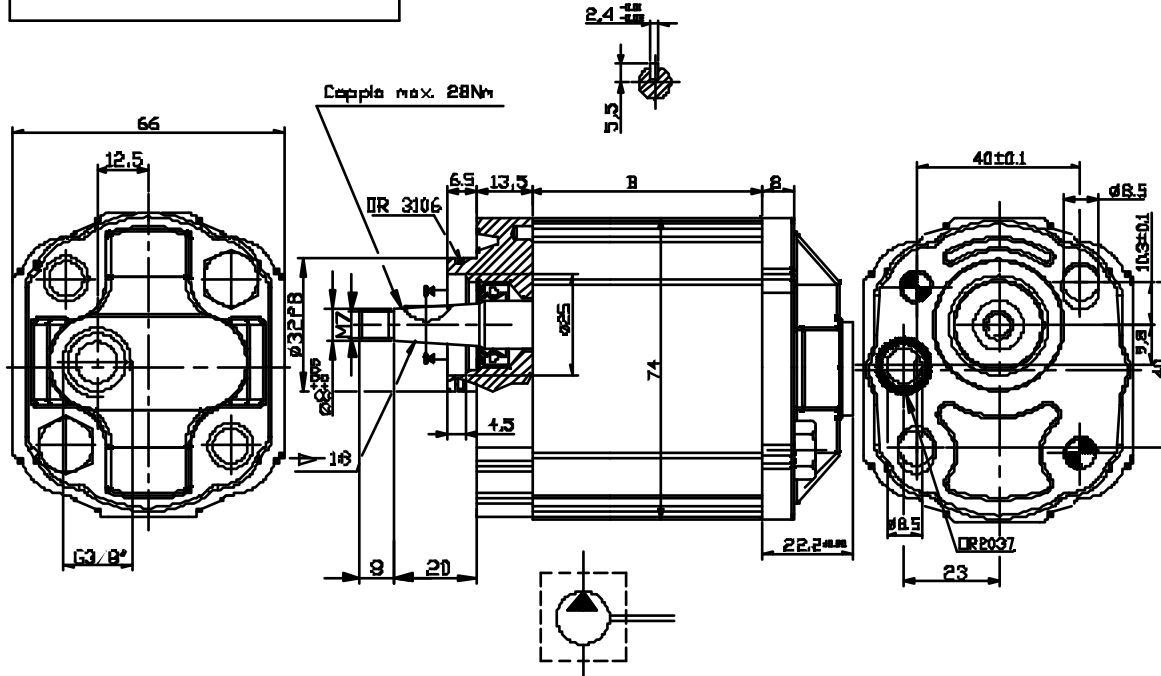
**GROUP 1 REVERSIBLE MOTORS - EUROPEAN STANDARD**
**VERSION: G 18 P1**


Type	Displacement ( cc/rev )	Max working pressure P1 ( bar )	Peak pressure P3 ( bar )	Max speed ( r.p.m )	Dimension A   B ( mm )		Absorbed torque at 150 bar ( Nm )	Code
					A	B		
<b>OT 100 M16</b>	1.45	180	230	5000	32.75	67.3	4.2	PS1009063R
<b>OT 100 M20</b>	1.80	210	250	5000	33.45	68.7	5.2	PS1009064R
<b>OT 100 M25</b>	2.45	210	250	5000	34.50	70.8	6.7	PS1009065R
<b>OT 100 M32</b>	3.05	210	250	5000	35.50	72.8	8.3	PS1009066R
<b>OT 100 M40</b>	3.80	210	250	4500	36.90	75.6	10.1	PS1009067R
<b>OT 100 M49</b>	4.70	200	240	4500	38.45	78.7	12.7	PS1009068R
<b>OT 100 M58</b>	5.55	200	220	4000	40.00	81.8	15.0	PS1009069R
<b>OT 100 M65</b>	6.25	180	210	3750	41.25	84.3	16.8	PS1009070R
<b>OT 100 M79</b>	7.60	160	200	3500	43.60	89.0	20.5	PS1019071R

**EXAMPLE OF ORDERING CODE**
**OT100 M 20 R / G 18 P1**

 Screws tightening torque : 25-28 Nm

## POMPE GRUPPO 1- VERSIONE SPECIALE PER MINICENTRALINE

**VERSIONE: N 18 B1**



Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocità massima ( giri/min. )	Dimensione <b>B</b> ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Sinistra )
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007302S
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007303S
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007304S
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007305S
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007306S
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007307S
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007308S
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007309S
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007310S
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017301S

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 S / N 18 B1

Serie

Pompa

Cilindrata ( vedere tabella )

Rotazione  
S Sinistra

B1= Flangia pompa sinistra

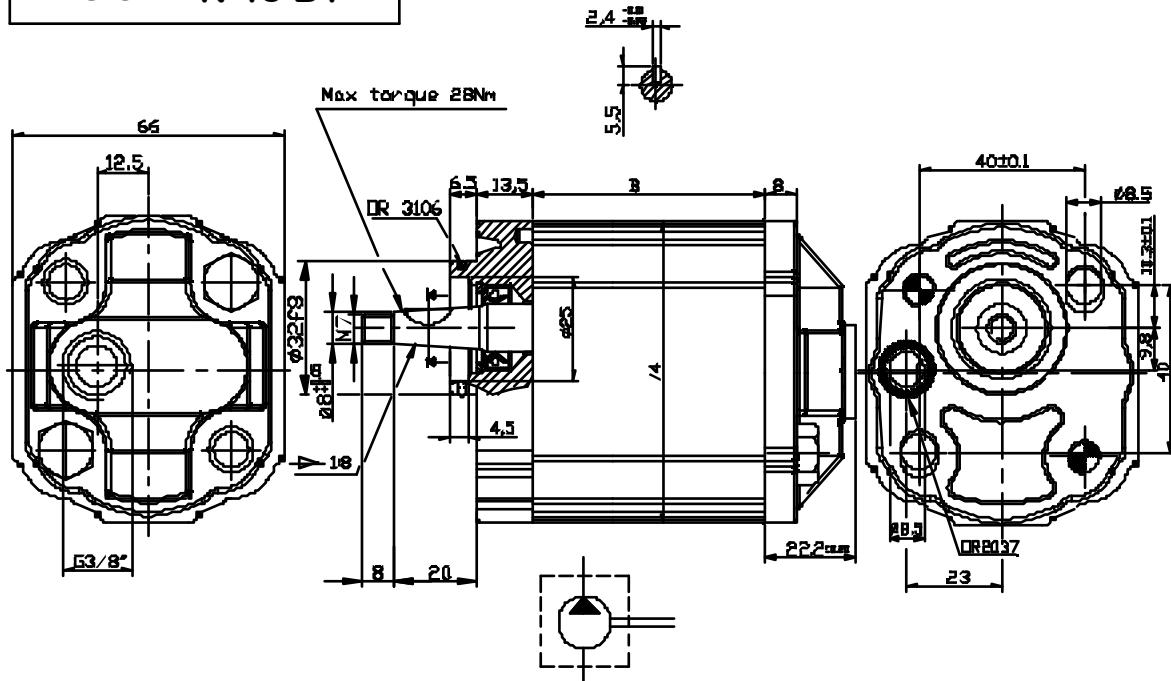
Albero conico 1:8

Corpo senza bocche

Coppia di serraggio viti: 28 ± 30 Nm

## GROUP 1 PUMPS- SPECIAL VERSION FOR POWER UNITS

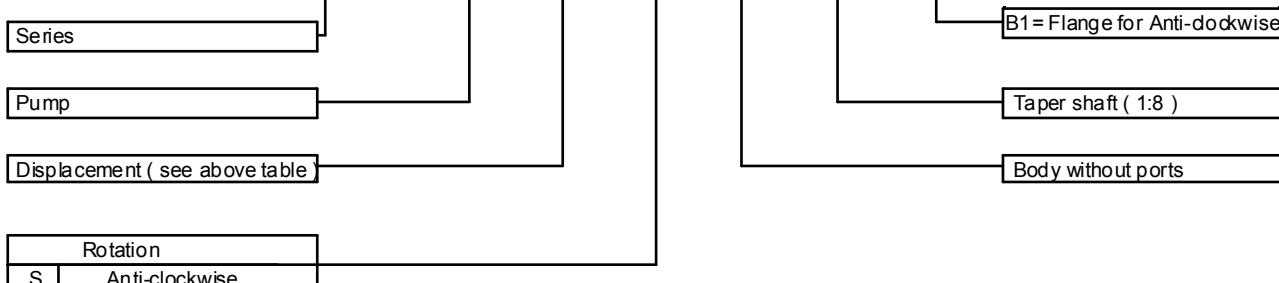
**VERSION: N 18 B1**



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-Clockwise)
OT 100 P11	1.05	240	280	5000	37.8	2.4	PS1007302S
OT 100 P16	1.45	260	300	5000	39.5	4.2	PS1007303S
OT 100 P20	1.80	240	300	5000	40.9	5.2	PS1007304S
OT 100 P26	2.45	240	280	5000	43.0	6.7	PS1007305S
OT 100 P32	3.05	240	280	5000	45.0	8.3	PS1007306S
OT 100 P40	3.80	220	260	4500	47.8	10.1	PS1007307S
OT 100 P49	4.70	200	240	4500	50.9	12.7	PS1007308S
OT 100 P58	5.55	180	220	4000	54.0	15.0	PS1007309S
OT 100 P65	6.25	160	200	3750	56.5	16.8	PS1007310S
OT 100 P79	7.60	140	180	3500	61.2	20.5	PS1017301S

### EXAMPLE OF ORDERING CODE

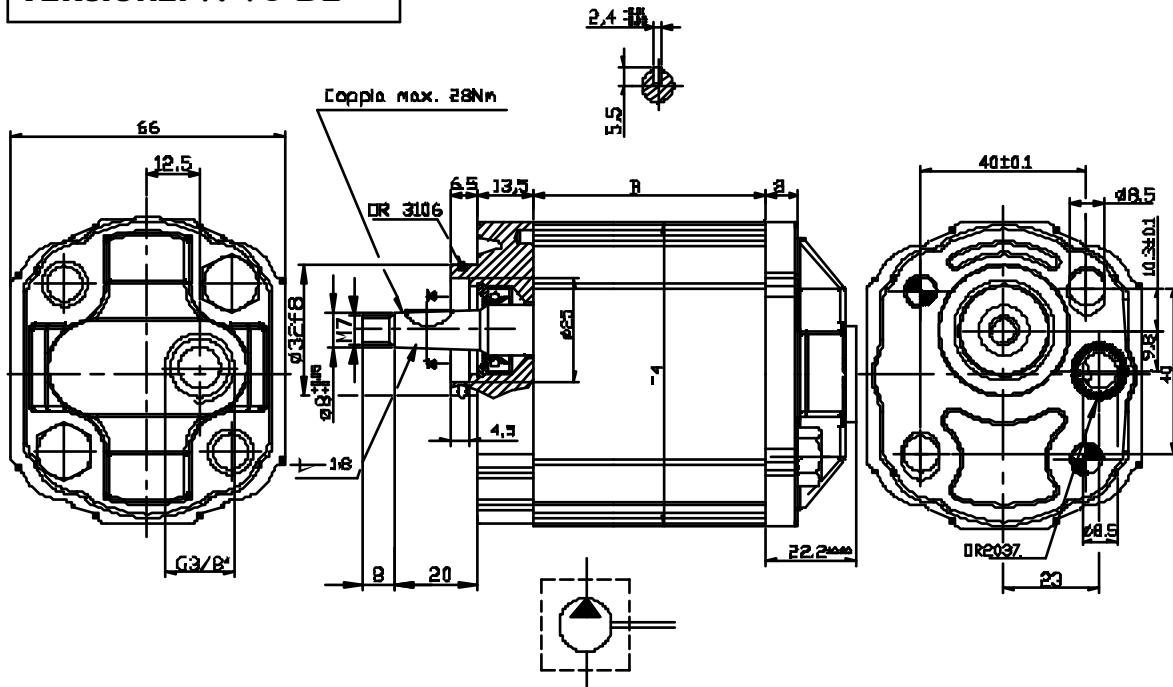
OT100 P 20 S / N 18 B1



Screws tightening torque : 28 ± 30 Nm

## POMPE GRUPPO 1 - VERSIONE SPECIALE PER MINICENTRALINE

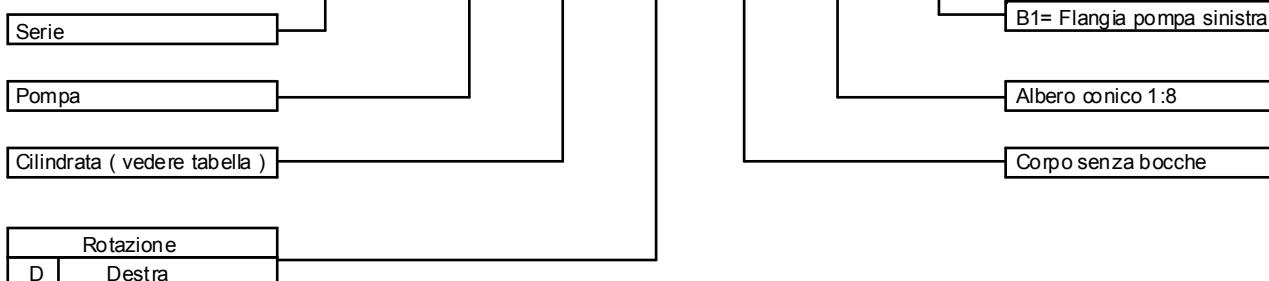
**VERSIONE: N 18 B2**



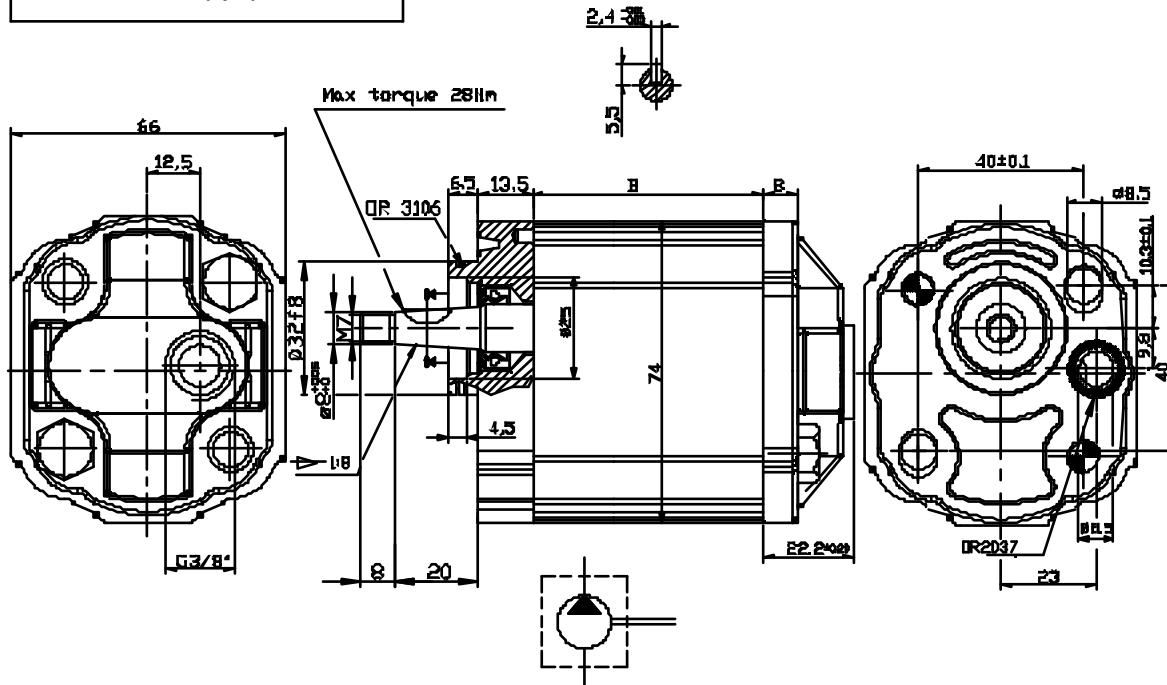
Tipo	Cilindrata ( cc/giro )	Pressione massima continua P1 ( bar )	Pressione di punta P3 ( bar )	Velocita' massima ( giri/min. )	Dimensione B ( mm )	Coppia assorbita a 150 bar ( Nm )	Codice anagrafico ( Rot. Destra )
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007302D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007303D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007304D
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007305D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007306D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007307D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007308D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007309D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007310D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017301D

### ESEMPIO DI CODICE D'ORDINAZIONE

OT100 P 20 D / N 18 B2



Coppia di serraggio viti: 28 ± 30 Nm

**GROUP 1 PUMPS      SPECIAL VERSION FOR POWER UNITS**
**VERSION: N 18 B2**


Type	Displacement (cc/ rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-Clockwise)
<b>OT 100 P11</b>	1.05	240	280	5000	37.8	2.4	PS1007302D
<b>OT 100 P16</b>	1.45	260	300	5000	39.5	4.2	PS1007303D
<b>OT 100 P20</b>	1.80	240	300	5000	40.9	5.2	PS1007304D
<b>OT 100 P26</b>	2.45	240	280	5000	43.0	6.7	PS1007305D
<b>OT 100 P32</b>	3.05	240	280	5000	45.0	8.3	PS1007306D
<b>OT 100 P40</b>	3.80	220	260	4500	47.8	10.1	PS1007307D
<b>OT 100 P49</b>	4.70	200	240	4500	50.9	12.7	PS1007308D
<b>OT 100 P58</b>	5.55	180	220	4000	54.0	15.0	PS1007309D
<b>OT 100 P65</b>	6.25	160	200	3750	56.5	16.8	PS1007310D
<b>OT 100 P79</b>	7.60	140	180	3500	61.2	20.5	PS1017301D

**EXAMPLE OF ORDERING CODE**
**OT100 P 20 D / N 18 B2**

Series

Pump

Displacement (see above table)

 Rotation  
D clockwise

B2= Flange for clockwise

Taper shaft (1:8)

Body without ports

Screws tightening torque : 28 ± 30 Nm