POMPE GRUPPO 2

OT OilTechnology è una giovane azienda, costituita nel novembre del 2001 , che produce nell'hInterland dI Parma una vallda gamma dI pompe 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 sono:

- ***SERVIZIO:*** **Un servizio esemplare e flessibile per caratterizzare l'azienda.**
- ***QUALITA':*** **Costante monltoraggio del processo produttlvo e adeguato collaudo flnale prodotto al 100% per assicurare la migliore qualita'.**
- ***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 2 PUMPS

OT OilTechnology is a young Company, founded in November 2001, which makes a comprehenslve range of external gear pumps.

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 key to succes is the following:

- ***SERVICE:*** **A very good service, higly flexible, most important attribute of the Company.**
- ***QUALITY:*** **Costant quallty control and 100% product restlng to achleve 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.**

POMPE GRUPPO 2

INDICE GENERALE

GROUP 2 PUMPS

GENERAL INDEX

POMPE GRUPPO 2

CORPO

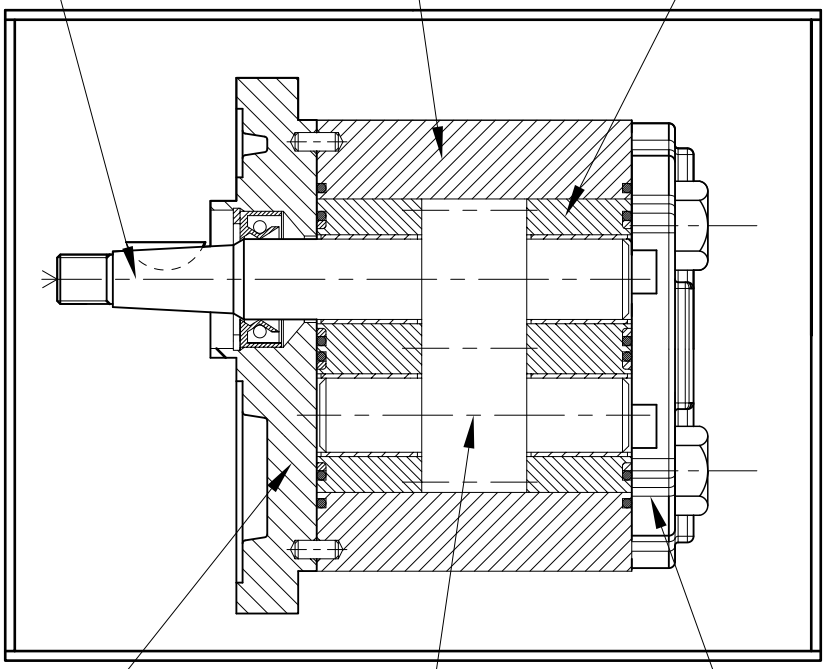
Estruso in lega di alluminio

ALBERO CONDUTTORE

Disponibilita' di diversi tipi d'estremita' standard.

RASAMENTI

Costruite con AVIONAL boccole DU per rIdurre Il coeffIcIente dI attrIto.



FLANGE

DIsponIbIlIta' dIversI tIpI dI flangia in ghisa.

COPERCHIO

Costruzione 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

GROUP 2 PUMPS

GEAR HOUSING

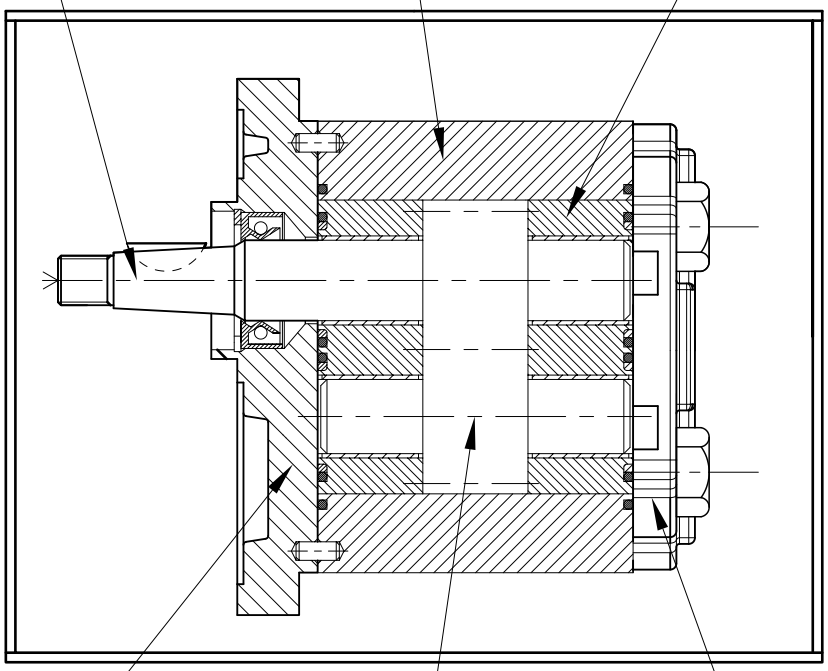
Extruded in aluminium alloy

DRIVE SHAFTS

Cholce of several standard drive shafts

BEARINGS

Hi-resistant aluminium alloy with DU sleeve bearings to offer high performances.



MOUNTING FLANGES

Choice of several mounting flanges In cast Iron

COVER

Made in cast iron material and available with suction port

GEARS

Designed specifically to reduce the noise level and offer the best performance between flow pulsation and displacements

POMPE GRUPPO 2

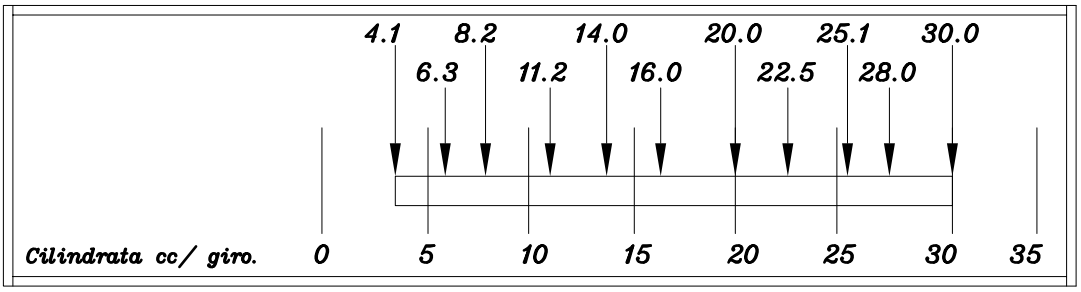
CARATTERISTICHE COSTRUTTIVE

PARTE	*MATERIALE*	*CARATTERISTICHE*
INGRANAGGI	Acclalo da cement. UNI 7846	Rs= 1250 N/mm^2 Rm= 1450 N/mm^2
FLANGIA E COPERCHIO	Ghisa G25 / G30	Rs= 300 N/mm^2 Rm= 450 N/mm^2
RASAMENTI	Avional Boccole autolubrlficantl DU	Rs= 350 N/mm^2 Rm= 390 N/mm^2
CORPO POMPA	Estruso Lega serie 7020 trattato termicamente	Rs= 350 N/mm^2 Rm= 390 N/mm^2
GUARNIZIONI	Acrllonltrile standard Vlton	90 Shore, resistenza termica 120°C 80 Shore, reslstenza termlca 200°C
ANTIESTRUSORI	Zitel	Carlcato con flbra dl vetro

Rs= Carico di snervamento.
Rm= Carico di rottura

CARATTERISTICHE GENERALI:

Pressloni massime flno a 300 bar.
Pesi : da 3.1 Kg a 4.3 kg
Regimi di rotazione fino a 4000 giri/min.
Alberi disponibili: Conico 1:8 con linguetta a disco.
Conico 1:5 con linguetta a disco
Penna con codolo fresato.
Scanalato DIN 5482 17x14.
Sae A-9 denti , Sae cilindrico Ø15.85
Versioni con flangie: Tipo standard europeo.
Tipo serie tedesca Ø80, e BOSCHØ50
Tipo SAE "A".
Cllindrate da 4.1 cc/glro a 30 cc/glro.
Le cilindrate disponibili sono espresse nel seguente schema:



Sono inoltre disponibili versioni speciali con flangia a supporto per trasmissione indipendente.
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 prestazlonl stesse della pompa.
Se il moto viene trasmesso alla pompa a mezzo di ingranaggi , cinghie o catene e' necessario montare il supporto per trasmlssione Indlpendente.
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 2 PUMPS

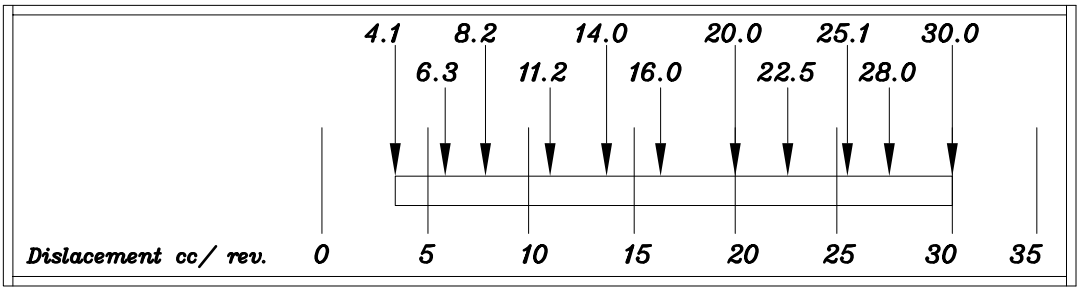
CONSTRUCTIVE CHARACTERISTICS:

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

Rs= Enervation load
Rm= Breaking load

GENERAL CHARACTERISTICS:

Maximum pressures up to 300 bar.
Weight : from 3.1 Kg to 4.3 kg
Maximum speed up to 4.000 rpm.
Type of shafts: Taper 1:8 and 1:5
Oldham
Slined DIN 5482 17x14.
SAE A splined-9 teeth
SAE A cylindrical - Ø15.85
Type of flanges: European standard
German standard
SAE A standard.
Displacements from 4 cc/rev to 30cc/rev.
The displacements are available according this table:



There is also available a special version with built-in support.

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 ot Oldham couplings, it is suggested to assure a costant lubrification through grease or similar products.

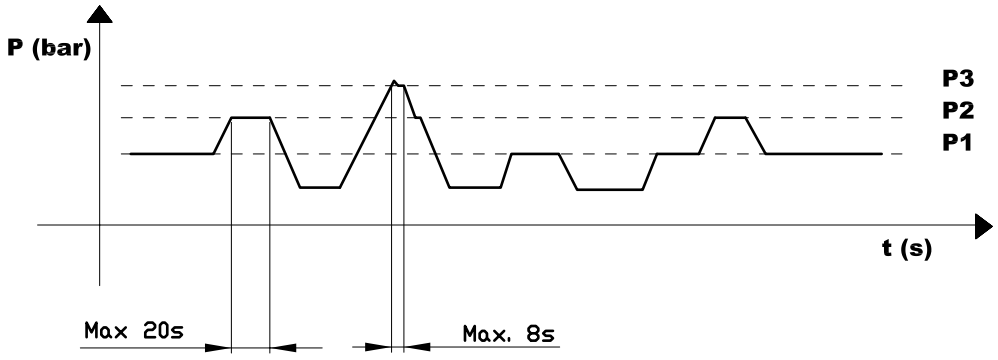
POMPE GRUPPO 2

CONDIZIONI DI IMPIEGO- PRESTAZIONI LIMITE

In normali condizioni di funzionamento , nel condotto di aspirazione rileviamo una leggera depressione: cioe' 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 viscosita' min = 10 cST.
Per valori piu' gravosi sia di regime che di viscosita' (alta temperatura) e' necessario diminuire la P1.
La normale definizione delle pressioni di lavoro o ammesse è riportata nella seguente tabella:

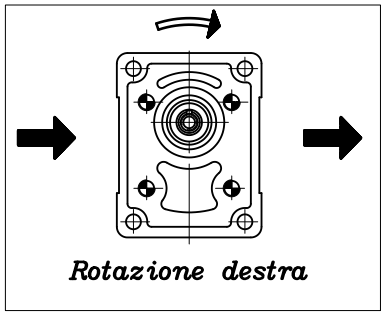


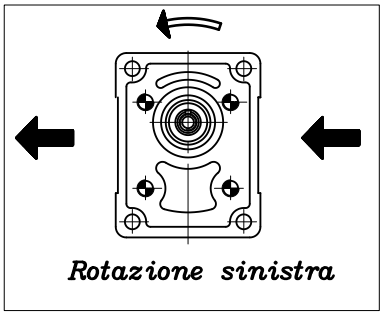
P3 Pressione massima di picco.
P2 Pressione massima intermittente
P1 Pressione massima continua.

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

Min. = 400 giri/1'	Max = (vedi tabelle)

DEFINIZIONE DEL SENSO DI ROTAZIONE GUARDANDO L'ALBERO DI TRASCINAMENTO


Rotazione destra


Rotazione sinistra

GROUP 2 PUMPS

WORKING CONDITIONS- LIMIT PERFORMANCES

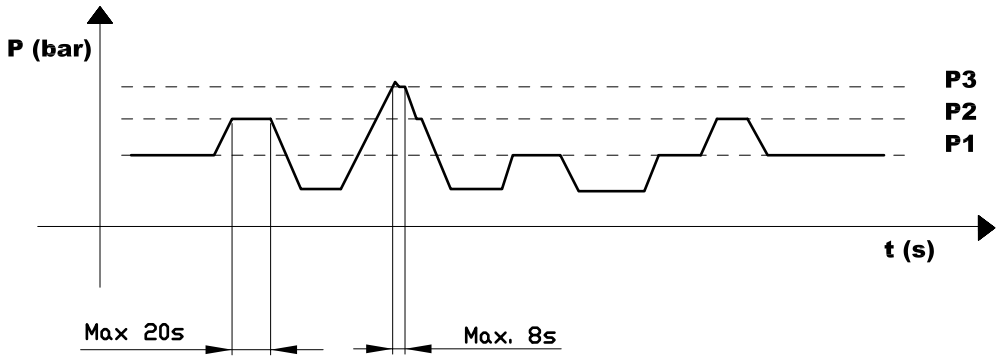
In normal working conditions there must be, in the suction pipe, a pressure lower than the atmospheric pressure.

The pressure range in suction must be:

Min. 0.75 bar (absolute)	MAX 2,0 bar (absolute)

The maximun 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:

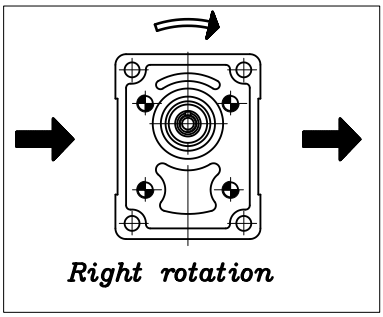


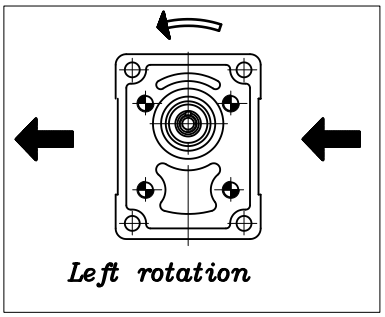
P3 Maximum peak pressure.
P2 Maximum intermittent pressure.
P1 Maximum continuous pressure.

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

Min. = 400 rpm	Max = (See following table)

DIRECTION OF ROTATION LOOKING AT THE SHAFT:





POMPE GRUPPO 2

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

In ambienti di lavoro particolarme inquinati è particolarmente importante ridurre ulterirmente 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 mineraleHLP HV (DIN 51524)
Sono indicati di seguito i parametri tecnici che e' importante rispettare:

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

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' ISTALLAZIONE

-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 inattivita'.
-Verificare che il livello del serbatoio sia adeguato dopo l'istallazione di tutta la componentistica.
-Durante il primo avviamento scollegare 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 emusionante.
-Non far mai girare la pompa con soluzioni olio aria.

GROUP 2 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 raccomanded 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	**30 / 60 Nominal micron**
FILTRATION IN PRESSURE LINE	**10 / 25 absolute micron**
MAXIMUM SPEED IN SUCTION	**0.5 / 1.5 m/s**
MAXIMUM SPEED IN OUTPUT	**3.0 / 5.5 m/s**

Sometime (contaminated places) it is racommended 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	**10 mm^2/s**
MAXIMUM VISCOSITY	**100 mm^2/s**
SUGGESTED VISCOSITY	**20 mm^2/s / 100 mm /s**
SUGGESTED TEMPERATURE	**30°C / 50°C**
WORKING TEMPERATURE	**-15°C / +80°C**

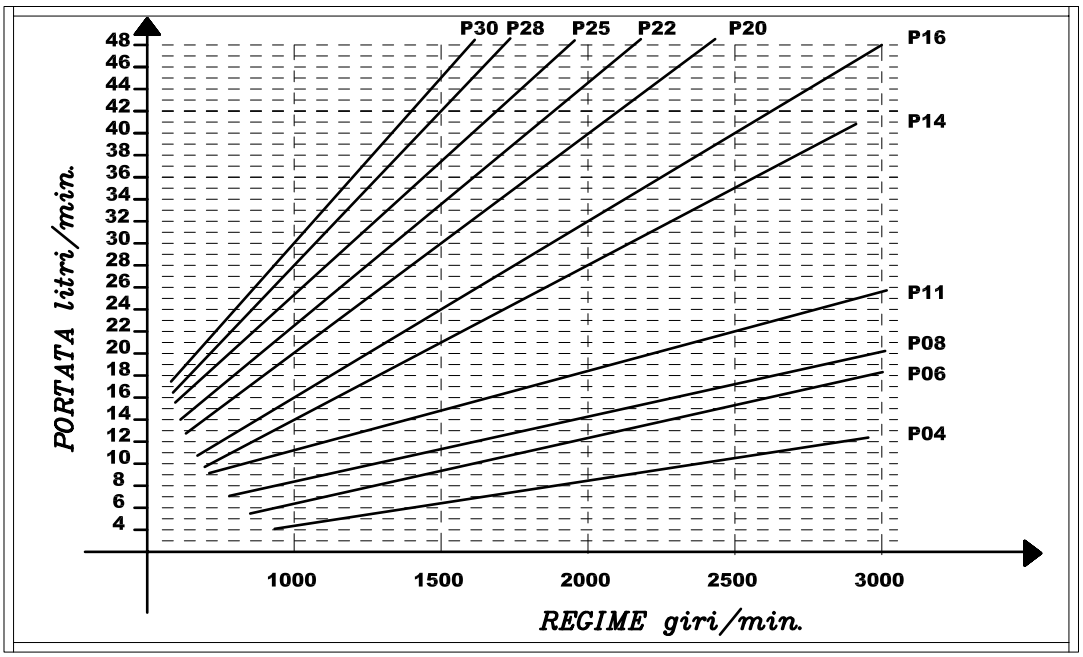
For applications with water-glycol (HF-C) it is racommended to consider the following limitations: 1500 rpm maximum speed and 200 bar maximum pressure.
For applications with phosphate ester fluids, please contact our Technical department.

ISTALLATION INSTRUCTION

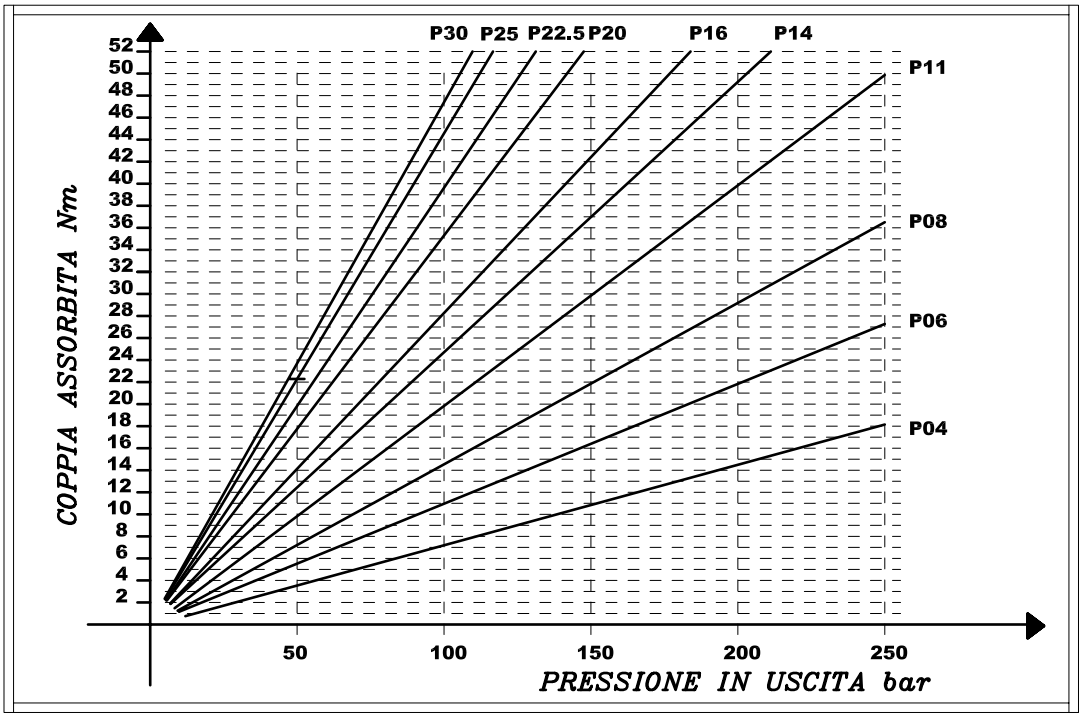
During the first starting it is racommended:
- to set the maximum pressure relief valves to a low value and gradually increase the pressure.
- to check, with single rotation pumps, that the rotation direction it is correct.
- to check that the connection betwen the motor and pump shaft is correct: without 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 a air-oil solution
It is important to specify an oil tank at least twice the flow from the pump.

POMPE GRUPPO 2

CURVE CARATTERISTICHE DI PORTATA



COPPIA ASSORBITA

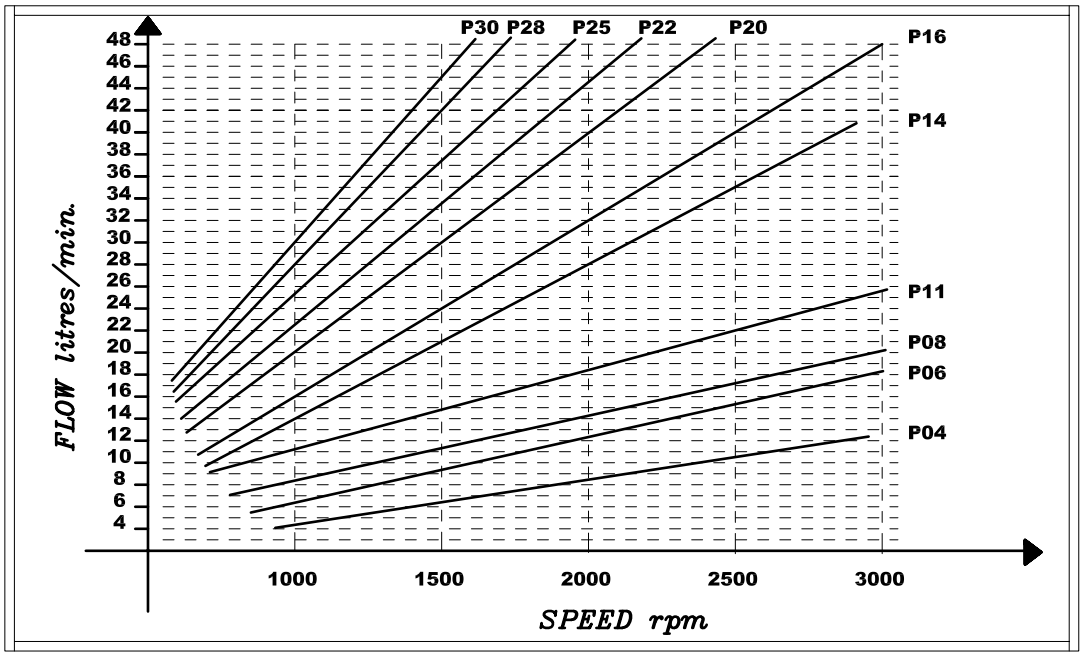


NOTE

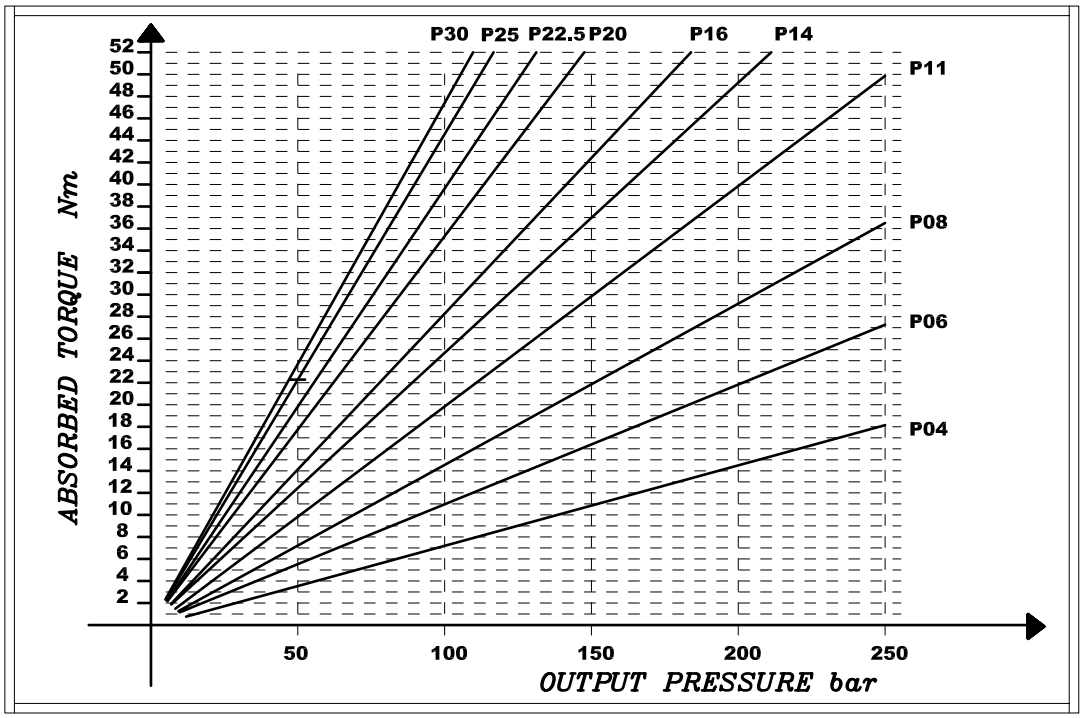
Le curve caratteristiche di portata sono state tracciate considerando un rendimento volumetrico del 95%

GROUP 2 PUMPS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

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

POMPE GRUPPO 2

DETERMINAZIONE DI UNA POMPA

V	Cilindrata	cm^3/giro
Q	Portata	l/min
P	Potenza	kW
C	Coppia	N · m
N	Velocita'	-15°C / +80°C
ΔP	Pressione	bar
n_v	Rendimento volumetrico	0.95
n_m	Rendimento meccanico	0.9
n_t	Rendimento totale	0.85

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

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

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

GROUP 2 PUMPS

PUMP CALCULATION

V	Displacement	CC / REV
Q	Flow	l/min
P	Power	kW
C	Torque	N · m
N	Speed	-15°C / +80°C
ΔP	Pressure	bar
n_v	Volumetric efficiency	0.95
n_m	Mechanical efficiency	0.9
n_t	Total efficiency	0.85

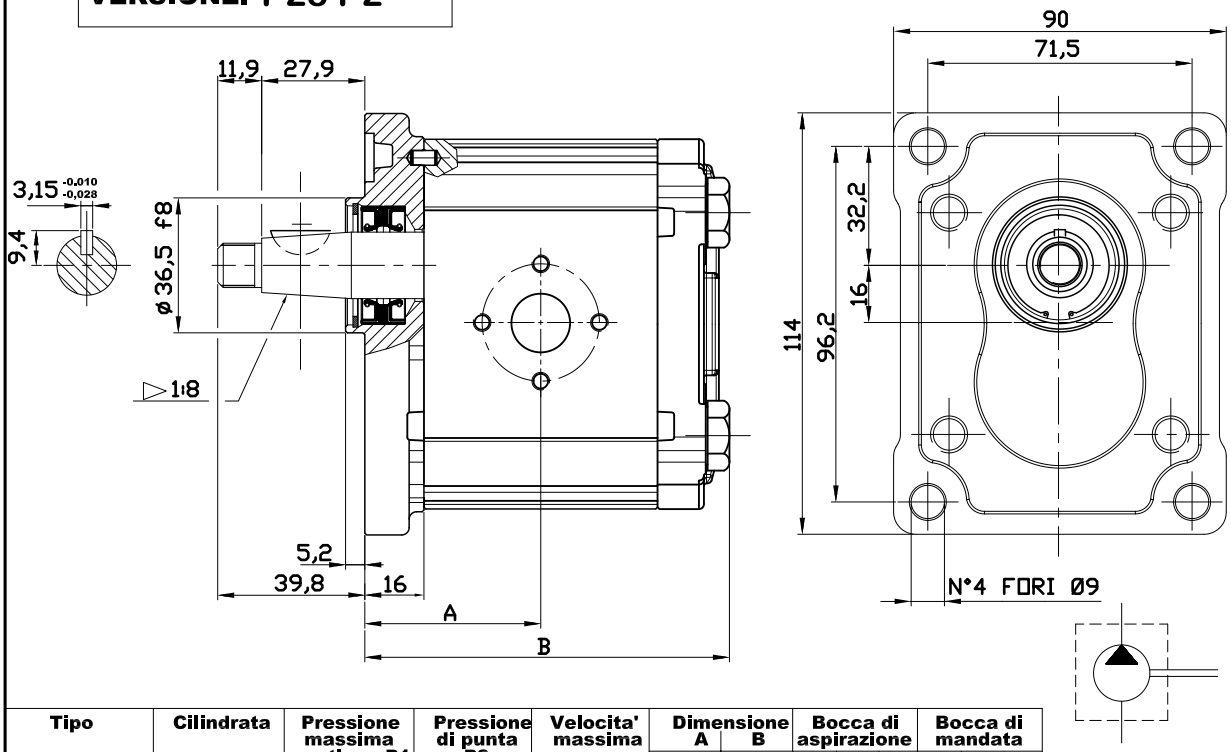
$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \qquad l/min$$

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

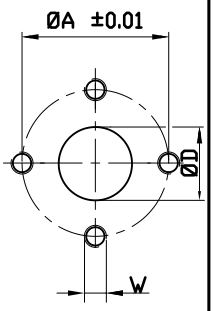
$$P = \frac{\Delta P \cdot V \quad N}{612000 \cdot n_t} \qquad kW$$

POMPE GRUPPO 2- STANDARD EUROPEO

VERSIONE: P28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	250	300	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	47,15	97,80	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	48,60	100,7	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	59,25	122,0	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	13	30	M6



ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / P 28 P2

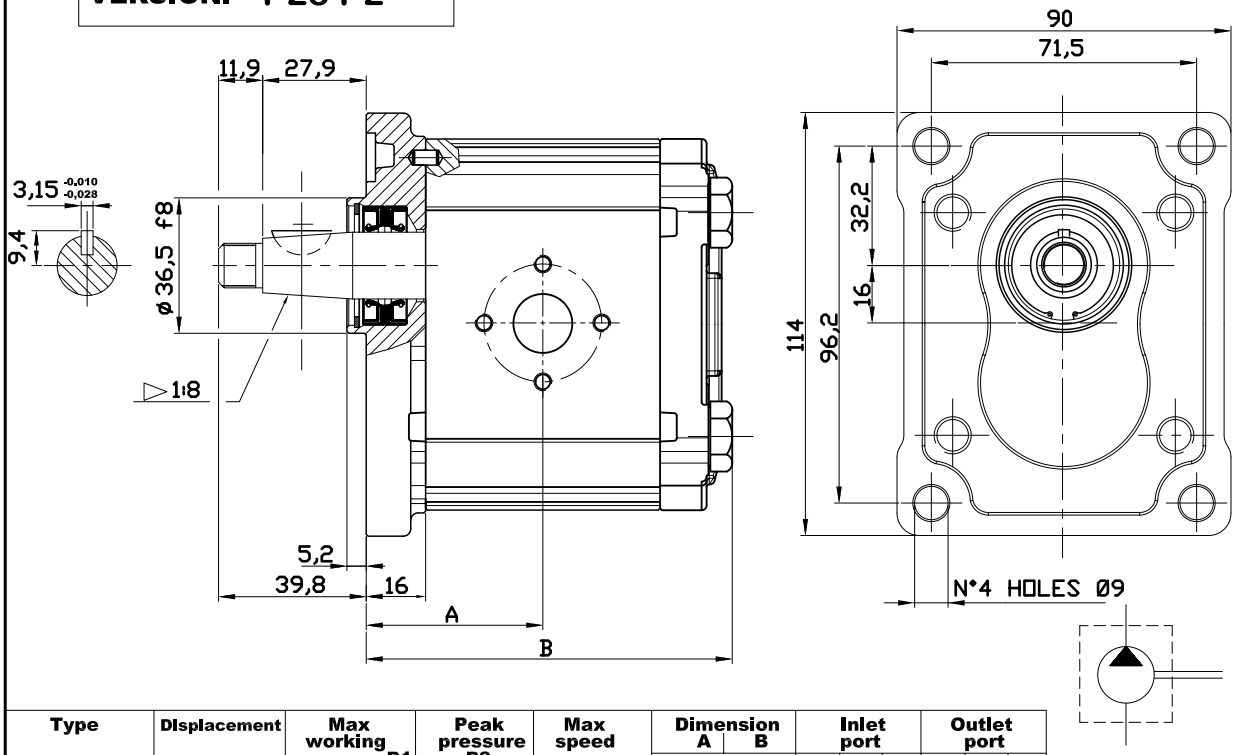
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione

Rotazione	
S	Sinistra
D	Destra

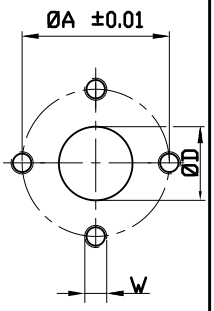
- P — Corpo con bocche a flangia
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

GROUP 2 PUMPS- EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	47,15	97,80	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	48,60	100,7	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	59,25	122,0	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	13	30	M6



EXAMPLE OF ORDERING CODE

OT200 P 08 S / P 28 P2

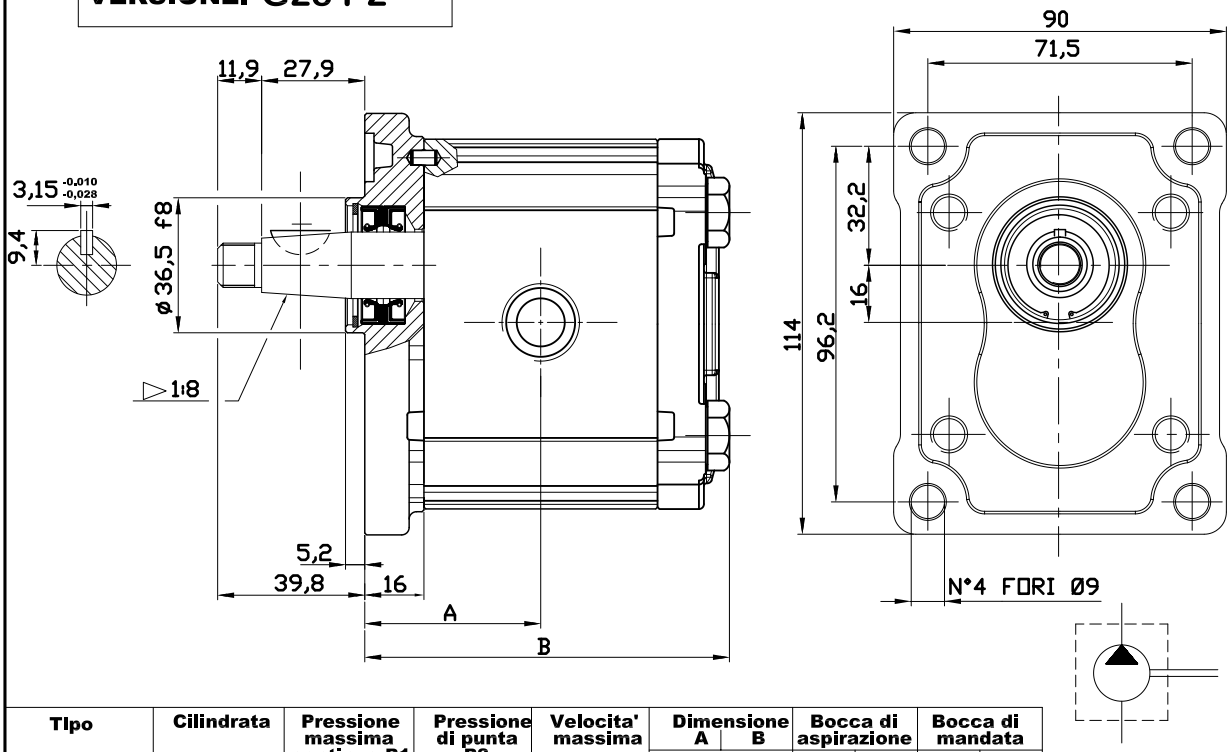
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation

S	Anti-clockwise
D	Clockwise

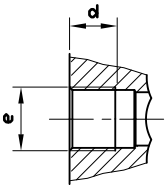
- P — Body for European flanges
- 28 — Taper shaft (1:8)
- P2 — European standard flange

POMPE GRUPPO 2- STANDARD EUROPEO

VERSIONE: G28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	250	300	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	47,15	97,80	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	48,60	100,7	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	59,25	122,0	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G1/2	14



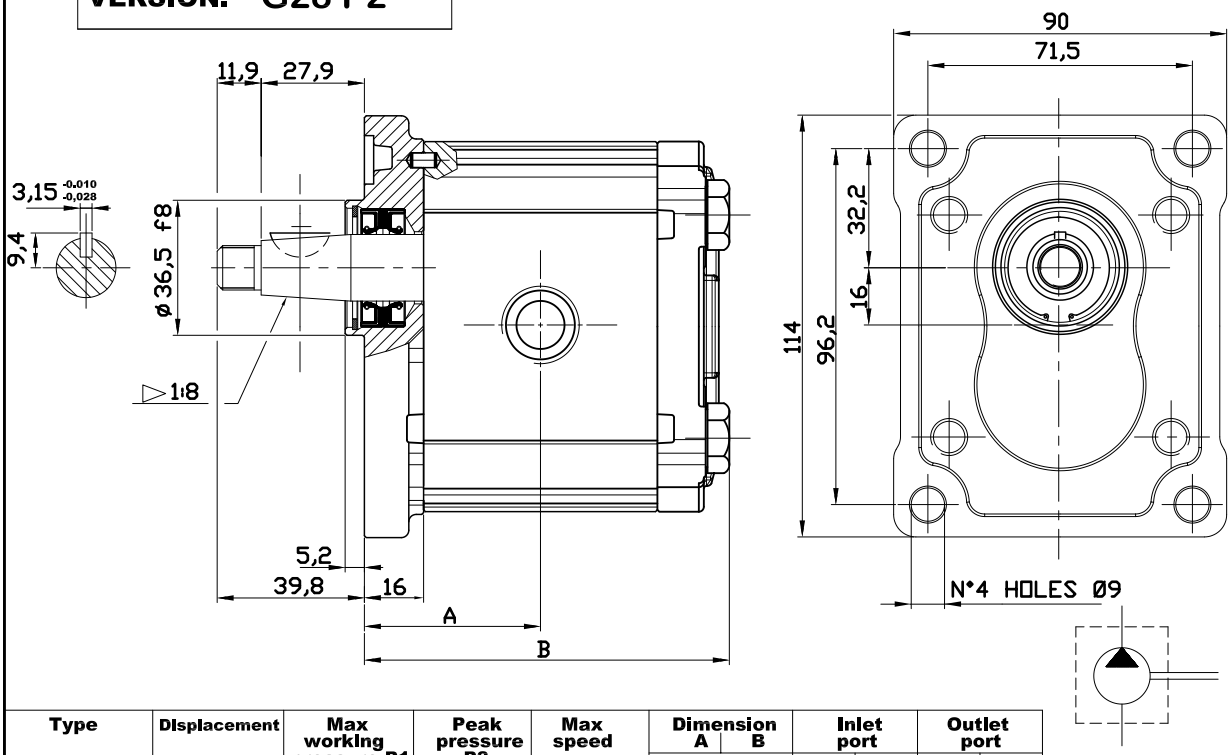
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / G 28 P2

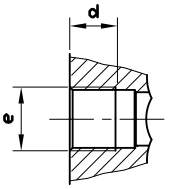
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- G — Corpo con bocche filettate (GAS)
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

GROUP 2 PUMPS- EUROPEAN STANDARD

VERSION: G28 P2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	250	300	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	47,15	97,80	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	48,60	100,7	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	59,25	122,0	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G1/2	14



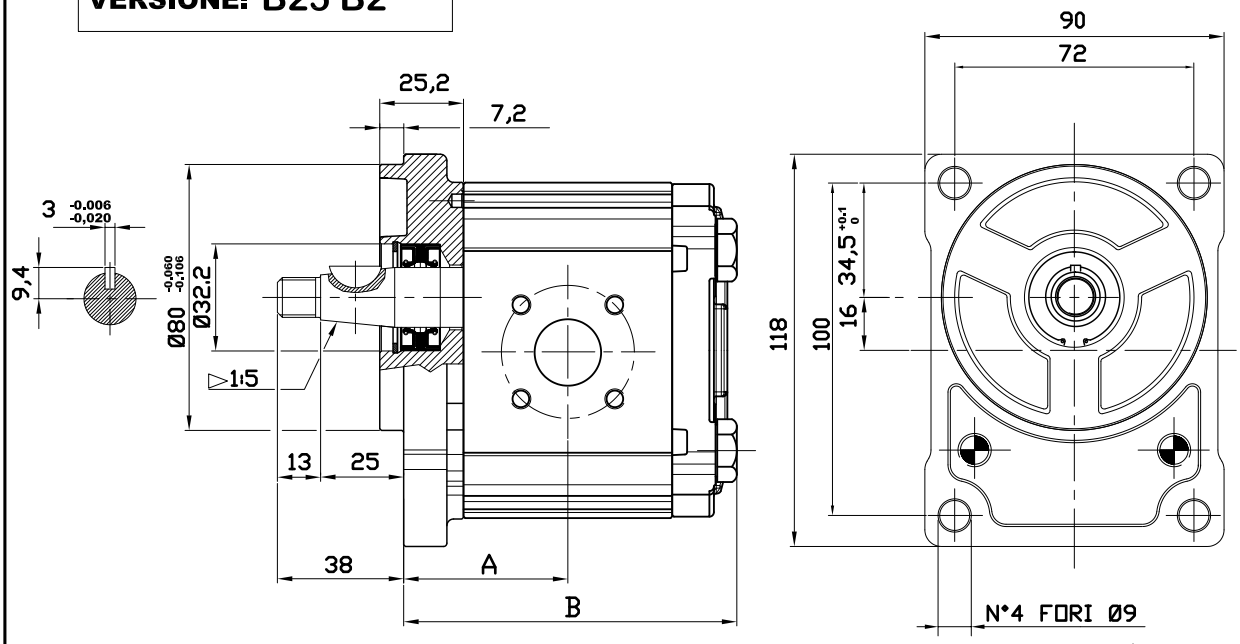
EXAMPLE OF ORDERING CODE

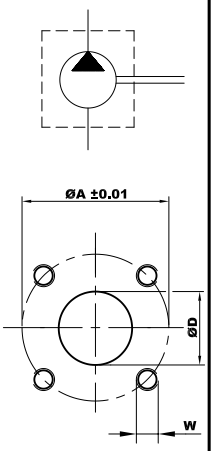
OT200 P 08 S / G 28 P2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise, D Clockwise
- G — Body with threated ports (BSP)
- 28 — Taper shaft (1:8)
- P2 — European standard flange

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B25 B2





Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A	Dimensione B	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
					(mm)							
OT 200 P04	04,10	250	300	4000	42,00	85,50	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	43,50	88,50	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	45,00	91,50	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	47,15	95,80	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	49,15	99,80	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	50,60	102,7	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	61,25	124,0	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	15	35	M6

ESEMPIO DI CODICE D'ORDINAZIONE

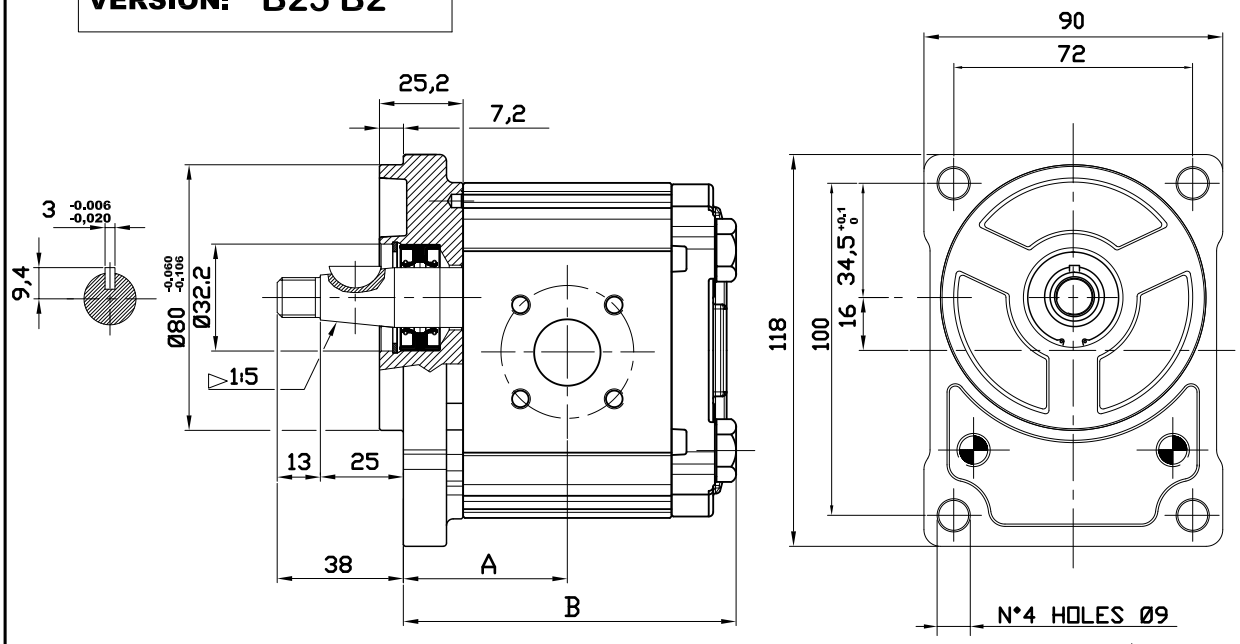
OT200 P 08 S / B 25 B2

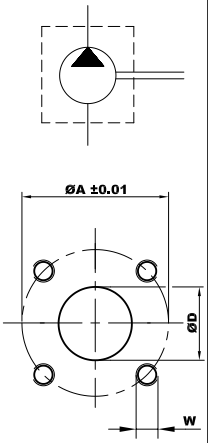
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione
- B — Corpo con bocche a flangia
- 25 — Albero conico (1:5)
- B2 — Flangia standard Tedesca

Rotazione	
S	Sinistra
D	Destra

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B25 B2





Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	42,00	85,50	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	43,50	88,50	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	45,00	91,50	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	47,15	95,80	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	49,15	99,80	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	50,60	102,7	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	61,25	124,0	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	15	35	M6

EXAMPLE OF ORDERING CODE

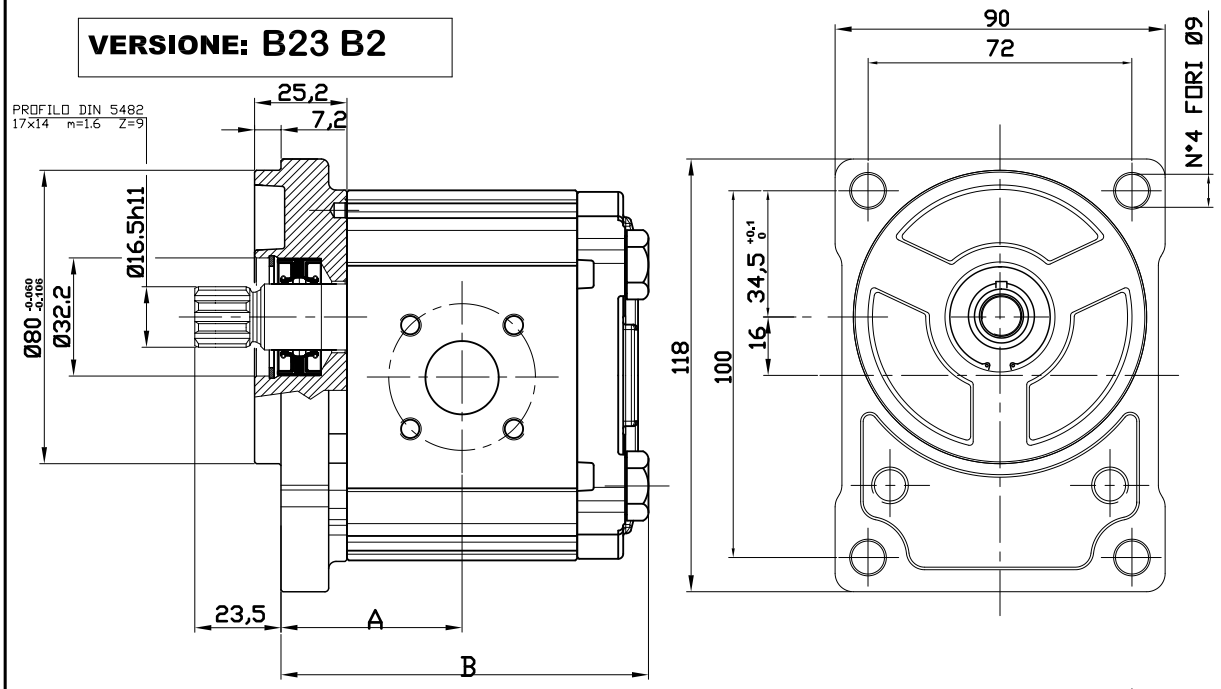
OT200 P 08 S / B 25 B2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation
- B — Body for German flanges
- 25 — Taper shaft (1:5)
- B2 — German standard flange

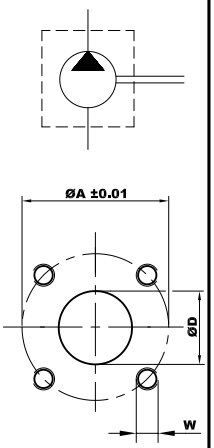
Rotation	
S	Anti-clockwise
D	Clockwise

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B23 B2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	250	300	4000	42,00	85,50	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	43,50	88,50	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	45,00	91,50	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	47,15	95,80	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	49,15	99,80	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	50,60	102,7	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	61,25	124,0	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	15	35	M6



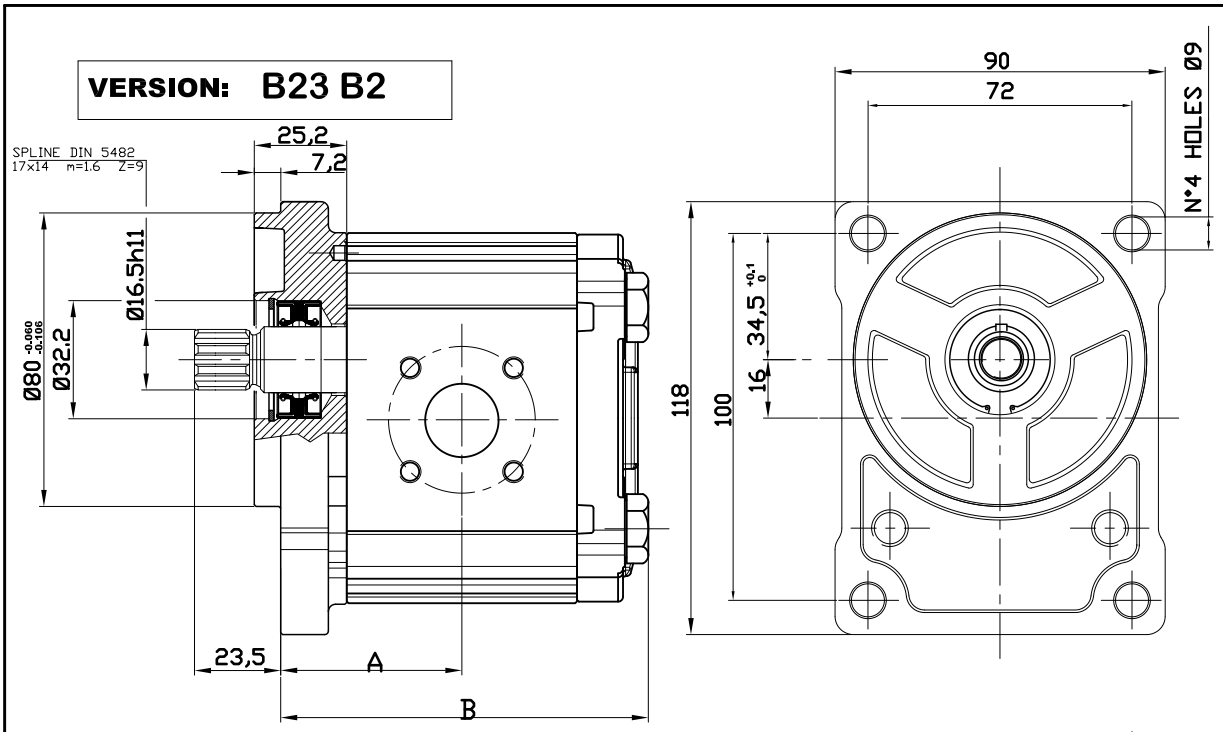
ESEMPIO DI CODICE D'ORDINAZIONE

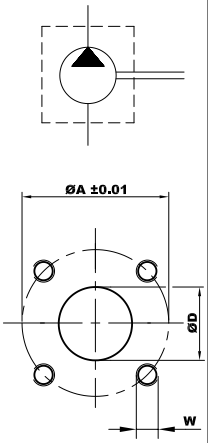
OT200 P 08 S / B 23 B2

- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- B — Corpo con bocche a flangia
- 23 — Albero DIN 5482 B 17x14
- B2 — Flangia standard Tedesca

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B23 B2





Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	42,00	85,50	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	43,50	88,50	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	45,00	91,50	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	47,15	95,80	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	49,15	99,80	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	50,60	102,7	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	61,25	124,0	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	15	35	M6

EXAMPLE OF ORDERING CODE

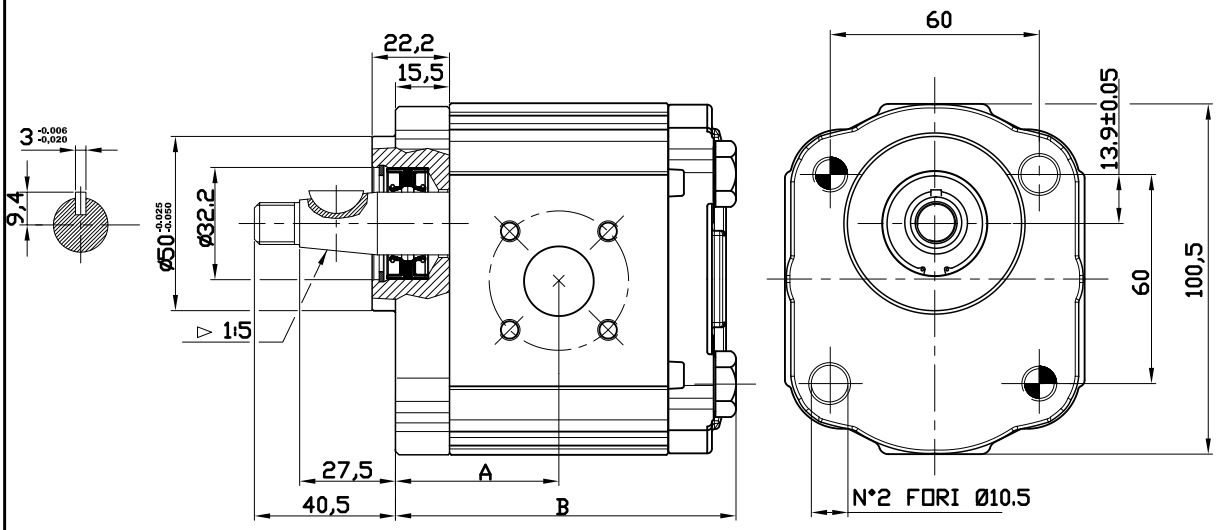
OT200 P 08 S / B 23 B2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation
- B — Body for German flanges
- 23 — DIN 5482 B 17x14 shaft
- B2 — German standard flange

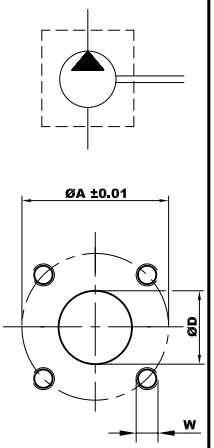
Rotation	
S	Anti-clockwise
D	Clockwise

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B25 B4



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / B 25 B4

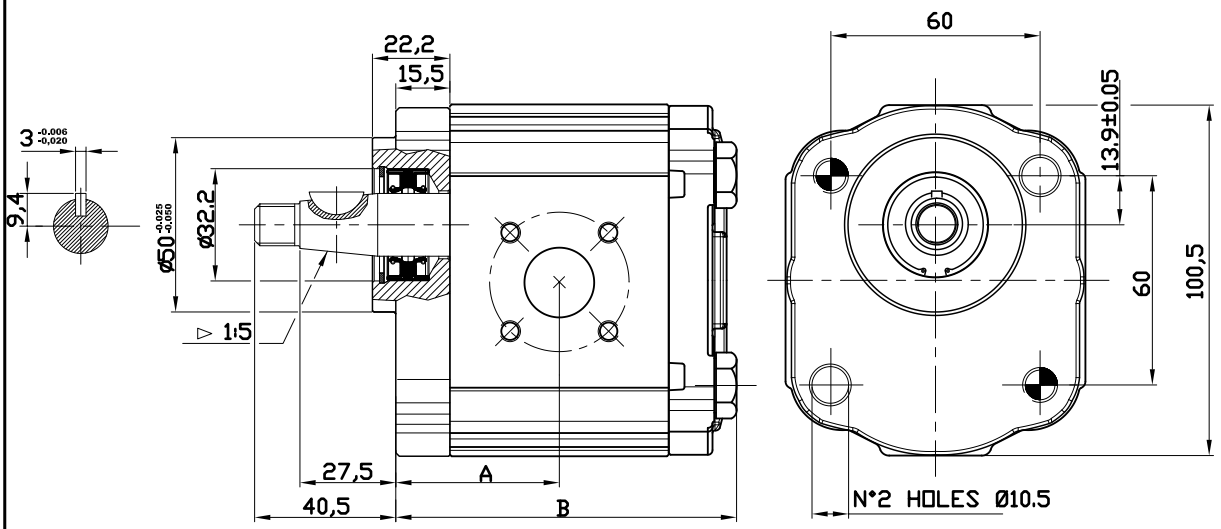
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione

Rotazione	
S	Sinistra
D	Destra

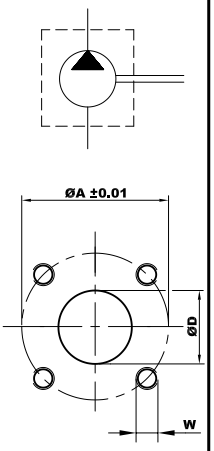
- B — Corpo con bocche a flangia
- 25 — Albero conico (1:5)
- B4 — Flangia standard Tedesca

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B25 B4



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



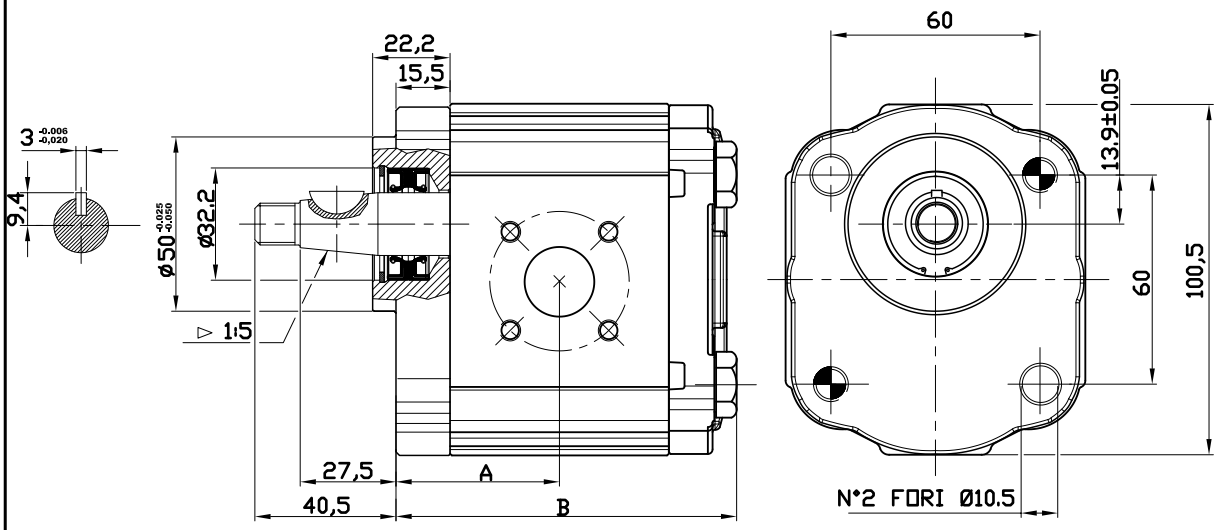
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 25 B4

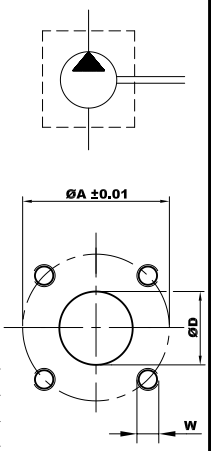
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation (S = Anti-clockwise, D = Clockwise)
- B — Body for German flanges
- 25 — Taper shaft (1:5)
- B4 — German standard flange

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B25 B5



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A	Dimensione B	Bocca di aspirazione (mm) ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



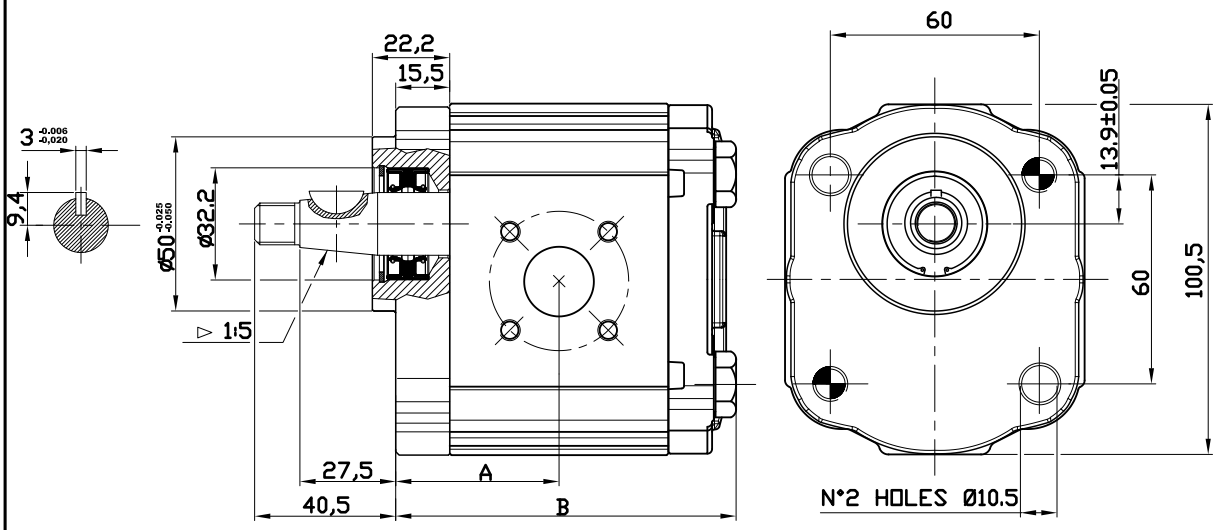
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / B 25 B5

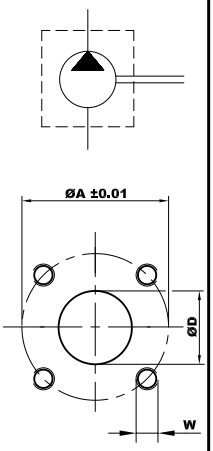
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- B — Corpo con bocche a flangia
- 25 — Albero conico (1:5)
- B5 — Flangia standard Tedesca

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B25 B5



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



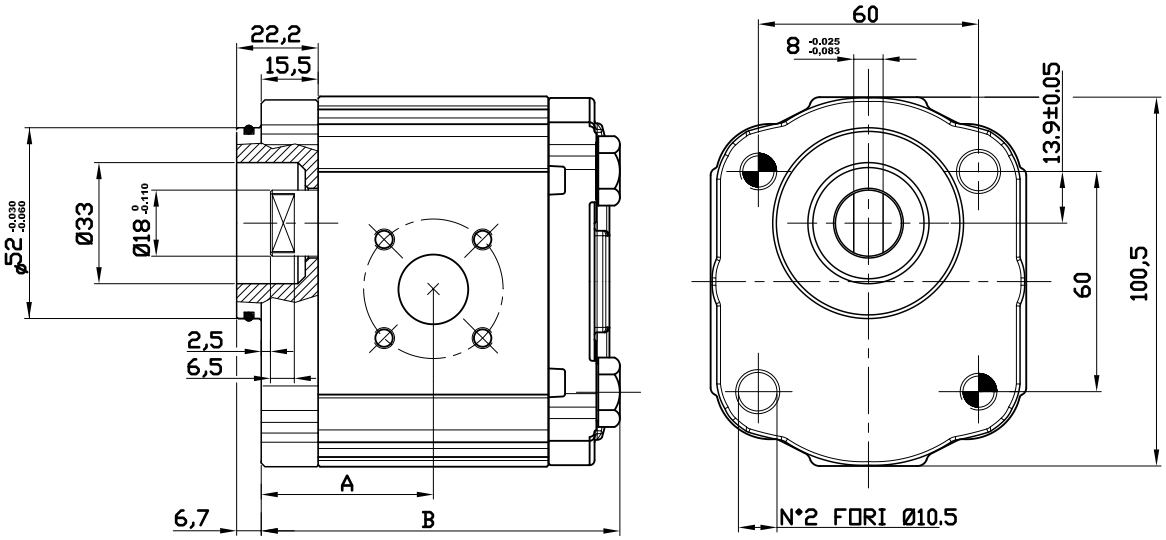
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 25 B5

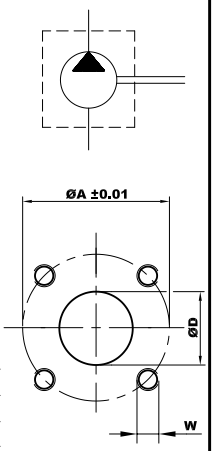
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- B — Body for German flanges
- 25 — Taper shaft (1:5)
- B5 — German standard flange

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B24 B6



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



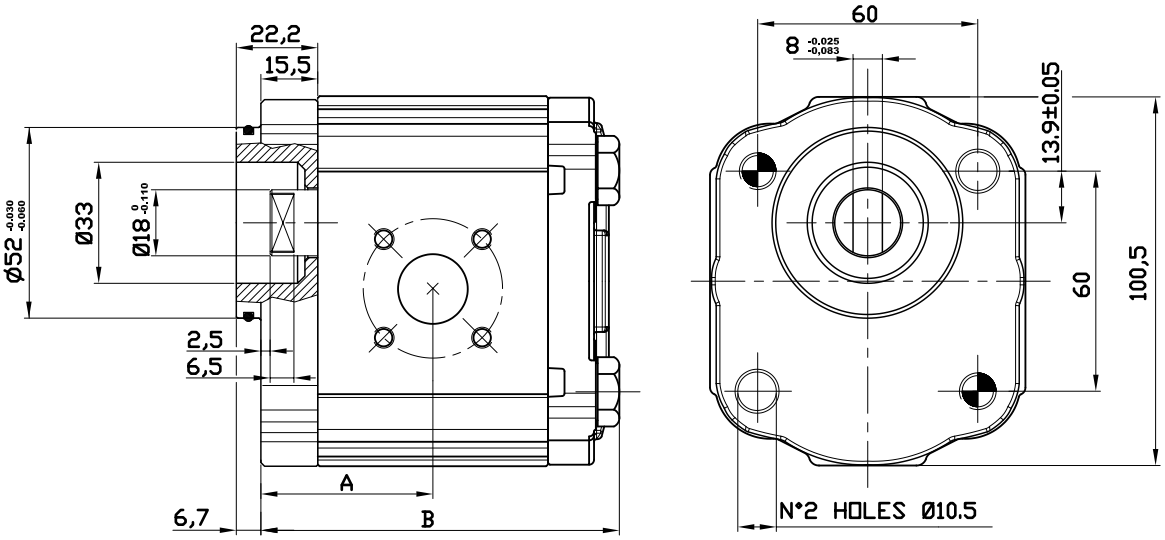
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / B 24 B6

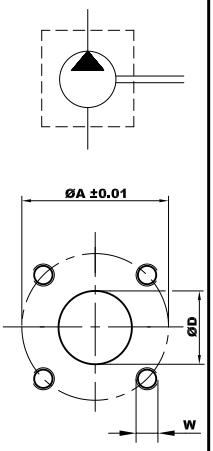
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- B — Corpo con bocche a flangia
- 24 — Albero a penna
- B6 — Flangia standard Tedesca

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B24 B6



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



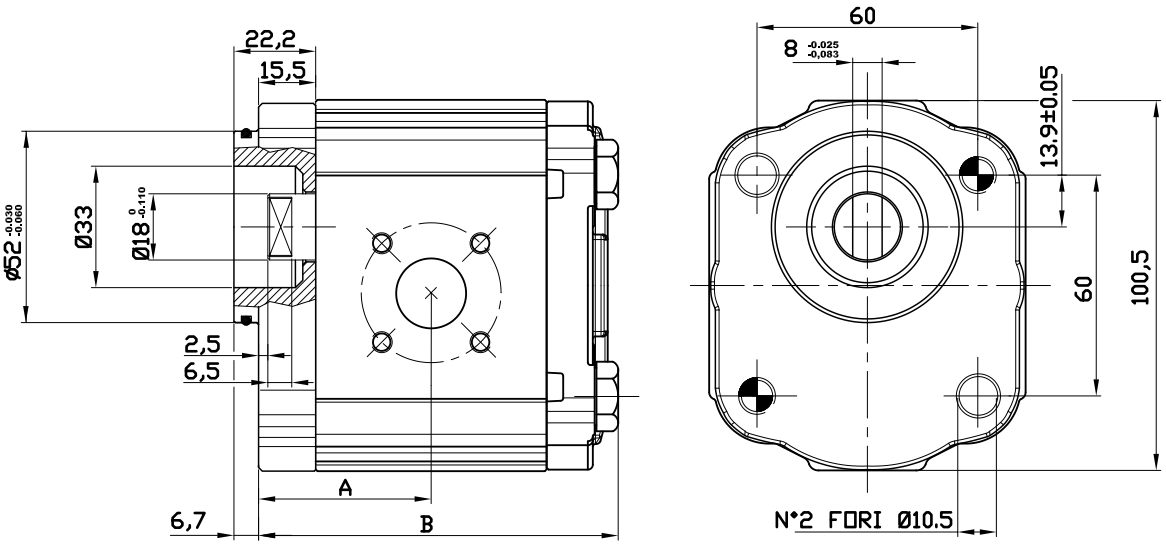
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 24 B6

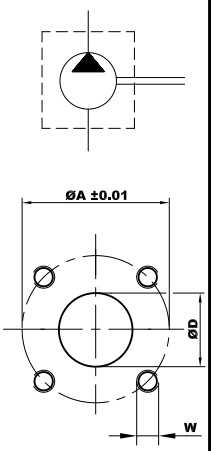
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- B — Body for German flanges
- 24 — Tang shaft
- B6 — German standard flange

POMPE GRUPPO 2- UNIFICAZIONE TEDESCA

VERSIONE: B24 B7



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A	Dimensione B	Bocca di aspirazione (mm) ØD	ØA	W	Bocca di mandata (mm) ØD	ØA	W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



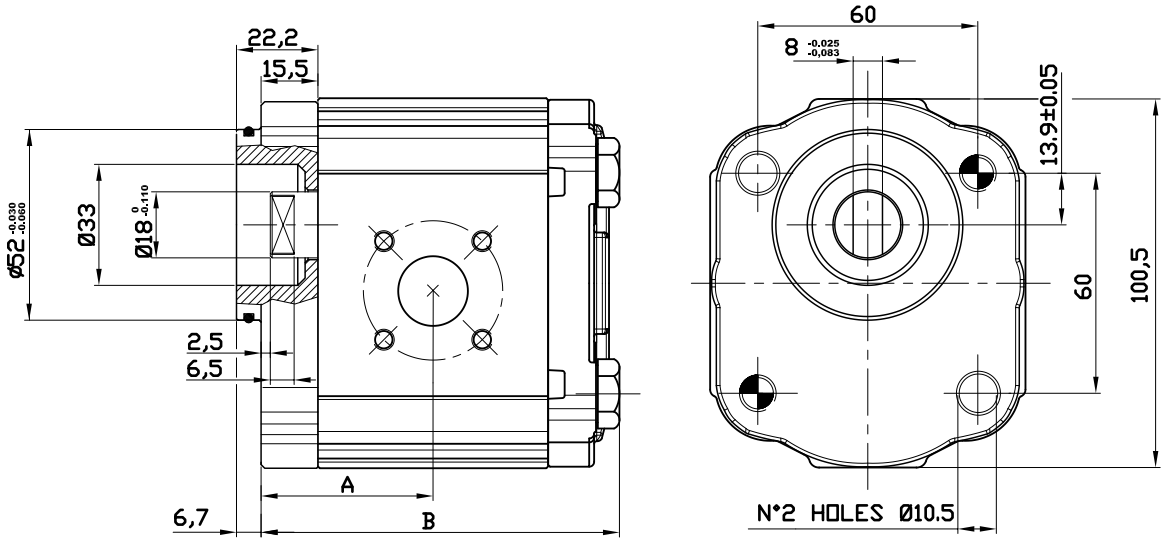
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / B 24 B7

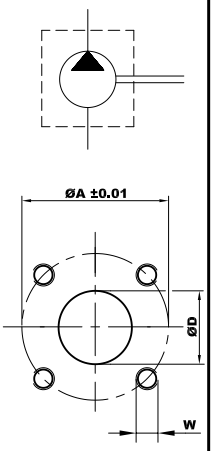
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- B — Corpo con bocche a flangia
- 24 — Albero a penna
- B7 — Flangia standard Tedesca

GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B24 B7



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	39.50	83,00	20	40	M6	15	35	M6
OT 200 P06	06,20	250	300	3500	41.00	86,00	20	40	M6	15	35	M6
OT 200 P08	08,20	250	300	3500	42.50	89,00	20	40	M6	15	35	M6
OT 200 P11	11,20	250	300	3500	45.65	93.30	20	40	M6	15	35	M6
OT 200 P14	14,00	240	300	3000	46.65	97.30	20	40	M6	15	35	M6
OT 200 P16	16,00	240	300	3000	48.10	100.2	20	40	M6	15	35	M6
OT 200 P20	20,00	200	240	3000	51.00	103,5	20	40	M6	15	35	M6
OT 200 P22	22,50	170	210	2500	56.85	117.7	20	40	M6	15	35	M6
OT 200 P25	25,10	170	210	2500	58.75	121.5	20	40	M6	15	35	M6
OT 200 P28	28,00	140	180	2500	60.85	125.7	20	40	M6	15	35	M6
OT 200 P30	30,00	130	170	2000	62.25	128.5	20	40	M6	15	35	M6



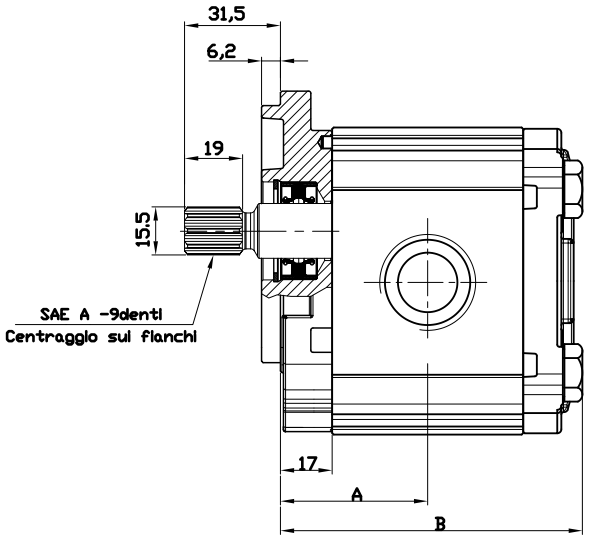
EXAMPLE OF ORDERING CODE

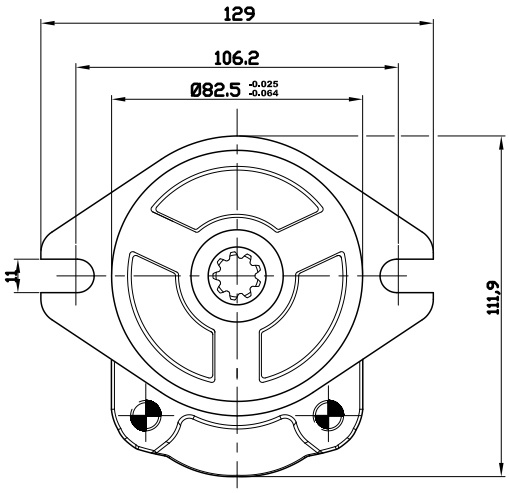
OT200 P 08 S / B 24 B7

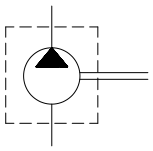
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- B — Body for German flanges
- 24 — Tang shaft
- B7 — German standard flange

POMPE GRUPPO 2- UNIFICAZIONE SAE " A"

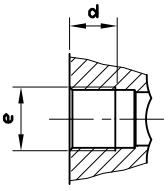
VERSIONE: G21 S2







Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	250	300	4000	41,00	84,50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	42,50	87,50	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	44,00	90,50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	46,15	94,80	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	48,15	98,80	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	49,60	101,7	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	52,50	107,5	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	58,35	119,2	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	60,25	123,0	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	62,35	127,2	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	63,75	130,0	G3/4	16	G1/2	14



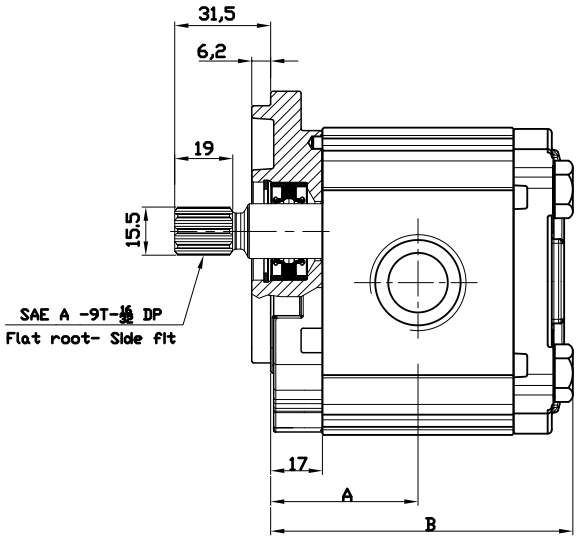
ESEMPIO DI CODICE D'ORDINAZIONE

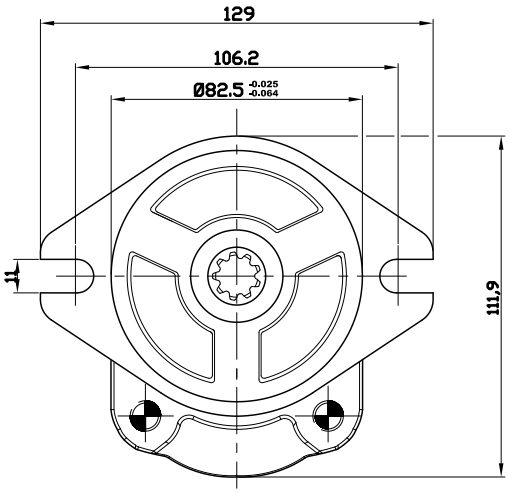
OT200 P 08 S / G 21 S2

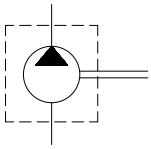
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- G — Corpo con bocche filettate (GAS)
- 21 — Albero SAE-A 9T 16/32 DP
- S2 — Flangia SAE A

GROUP 2 PUMPS- SAE "A" STANDARD

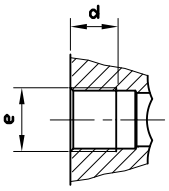
VERSION: G21 S2







Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	250	300	4000	41,00	84,50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	42,50	87,50	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	44,00	90,50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	46,15	94,80	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	48,15	98,80	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	49,60	101,7	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	52,50	107,5	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	58,35	119,2	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	60,25	123,0	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	62,35	127,2	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	63,75	130,0	G3/4	16	G1/2	14



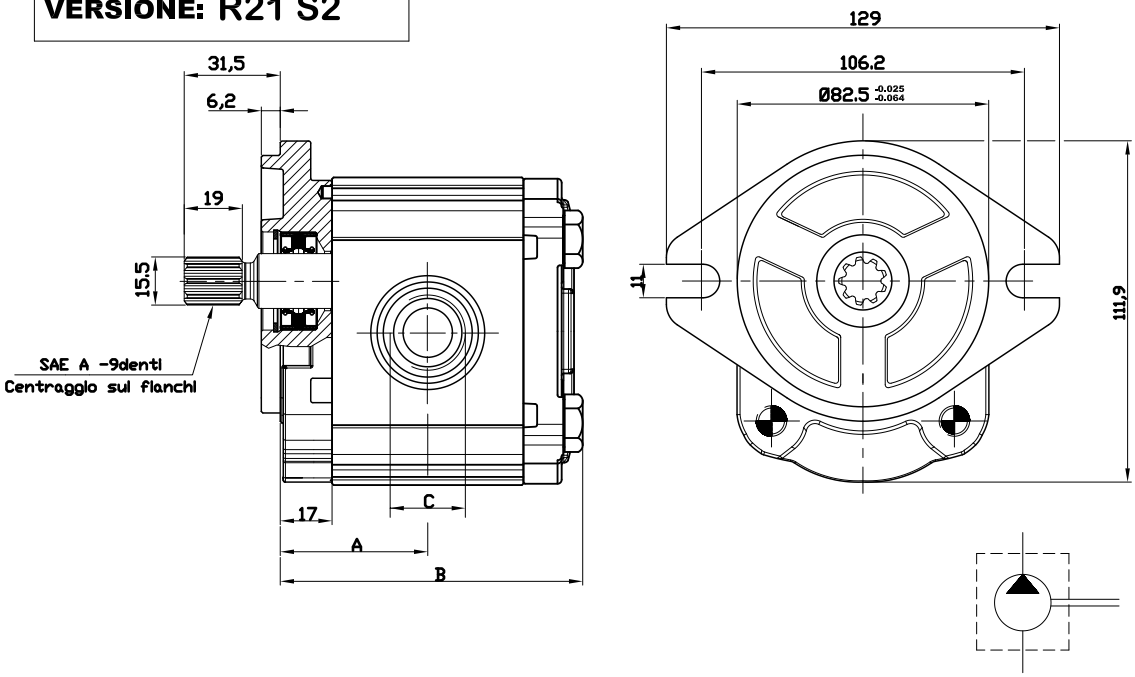
EXAMPLE OF ORDERING CODE

OT200 P 08 S / G 21 S2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- G — Body with threated ports (BSP)
- 21 — SAE A -9T-16/32 DP shaft
- S2 — SAE- A flange

POMPE GRUPPO 2- UNIFICAZIONE SAE " A"

VERSIONE: R21 S2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione C	Bocca di mandata C
OT 200 P04	04,10	250	300	4000	41,00	84,50	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	42,50	87,50		
OT 200 P08	08,20	250	300	3500	44,00	90,50		
OT 200 P11	11,20	250	300	3500	46,15	94,80		
OT 200 P14	14,00	240	300	3000	48,15	98,80	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	49,60	101,7		
OT 200 P20	20,00	200	240	3000	52,50	107,5		
OT 200 P22	22,50	170	210	2500	58,35	119,2		
OT 200 P25	25,10	170	210	2500	60,25	123,0		
OT 200 P28	28,00	140	180	2500	62,35	127,2		
OT 200 P30	30,00	130	170	2000	63,75	130,0		

ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / R 21 S2

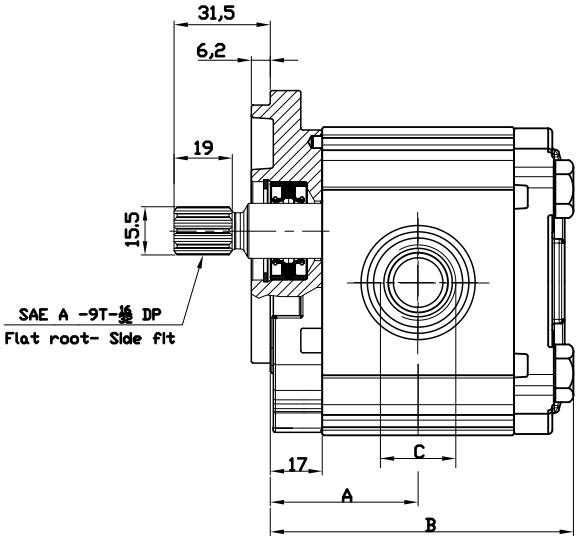
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione

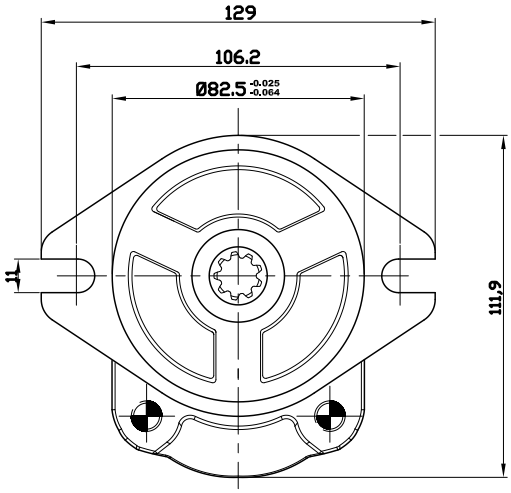
Rotazione	
S	Sinistra
D	Destra

- R — Corpo con bocche O-ring boss
- 21 — Albero SAE-A 9T 16/32 DP
- S2 — Flangia SAE A

GROUP 2 PUMPS- SAE "A" STANDARD

VERSION: R21 S2





Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A	Dimension B	Inlet port C	Outlet port C
OT 200 P04	04,10	250	300	4000	41,00	84,50	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	42,50	87,50		
OT 200 P08	08,20	250	300	3500	44,00	90,50		
OT 200 P11	11,20	250	300	3500	46,15	94,80		
OT 200 P14	14,00	240	300	3000	48,15	98,80	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	49,60	101,7		
OT 200 P20	20,00	200	240	3000	52,50	107,5		
OT 200 P22	22,50	170	210	2500	58,35	119,2		
OT 200 P25	25,10	170	210	2500	60,25	123,0		
OT 200 P28	28,00	140	180	2500	62,35	127,2		
OT 200 P30	30,00	130	170	2000	63,75	130,0		

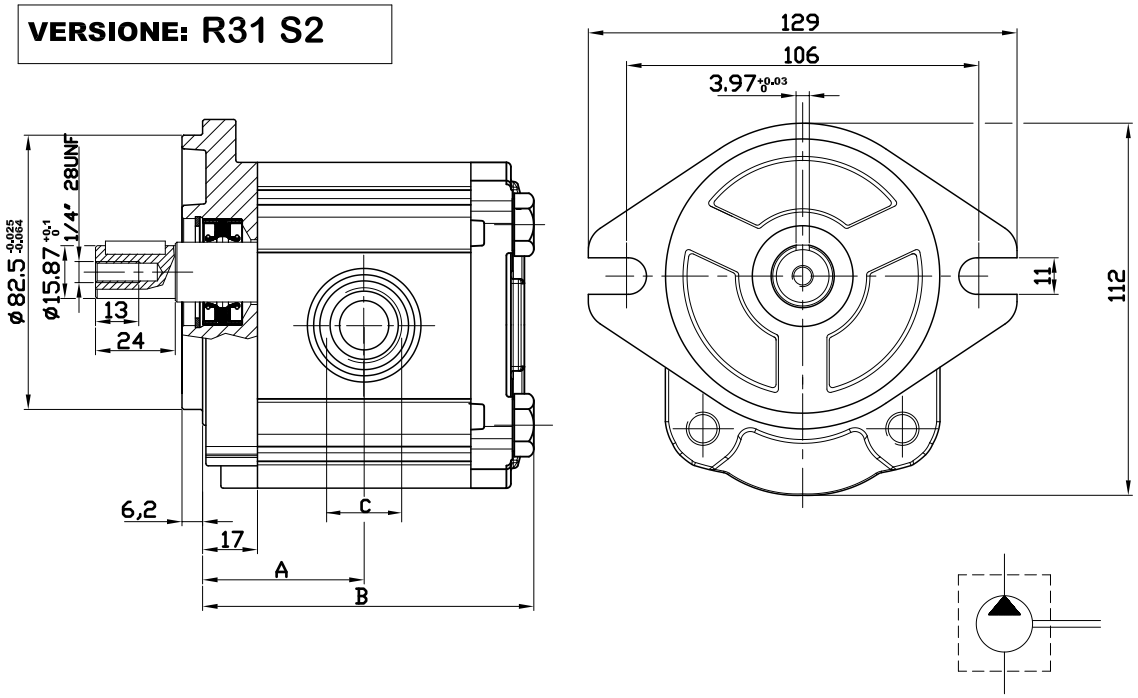
EXAMPLE OF ORDERING CODE

OT200 P 08 S / R 21 S2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- R — Body with O-ring boss ports
- 21 — SAE A -9T-16/32 DP shaft
- S2 — SAE- A flange

POMPE GRUPPO 2- UNIFICAZIONE SAE " A"

VERSIONE: R31 S2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione C	Bocca di mandata C
OT 200 P04	04,10	250	300	4000	41,00	84,50	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	42,50	87,50		
OT 200 P08	08,20	250	300	3500	44,00	90,50		
OT 200 P11	11,20	250	300	3500	46,15	94,80		
OT 200 P14	14,00	240	300	3000	48,15	98,80	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	49,60	101,7		
OT 200 P20	20,00	200	240	3000	52,50	107,5		
OT 200 P22	22,50	170	210	2500	58,35	119,2		
OT 200 P25	25,10	170	210	2500	60,25	123,0		
OT 200 P28	28,00	140	180	2500	62,35	127,2		
OT 200 P30	30,00	130	170	2000	63,75	130,0		

ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / R 31 S2

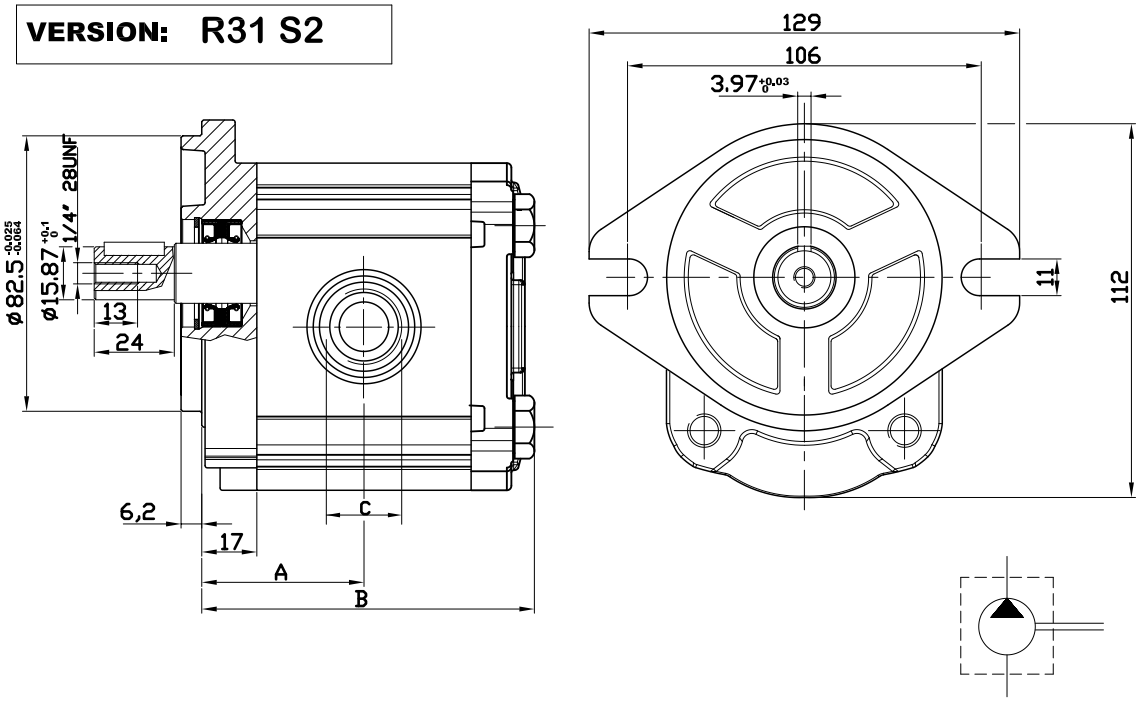
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione

Rotazione	
S	Sinistra
D	Destra

- R — Corpo con bocche O-ring boss
- 31 — Albero SAE-A Cilindrico Ø15.87
- S2 — Flangia SAE A

GROUP 2 PUMPS- SAE "A" STANDARD

VERSION: R31 S2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port C	Outlet port C
OT 200 P04	04,10	250	300	4000	41,00	84,50	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	42,50	87,50		
OT 200 P08	08,20	250	300	3500	44,00	90,50		
OT 200 P11	11,20	250	300	3500	46,15	94,80		
OT 200 P14	14,00	240	300	3000	48,15	98,80	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	49,60	101,7		
OT 200 P20	20,00	200	240	3000	52,50	107,5		
OT 200 P22	22,50	170	210	2500	58,35	119,2		
OT 200 P25	25,10	170	210	2500	60,25	123,0		
OT 200 P28	28,00	140	180	2500	62,35	127,2		
OT 200 P30	30,00	130	170	2000	63,75	130,0		

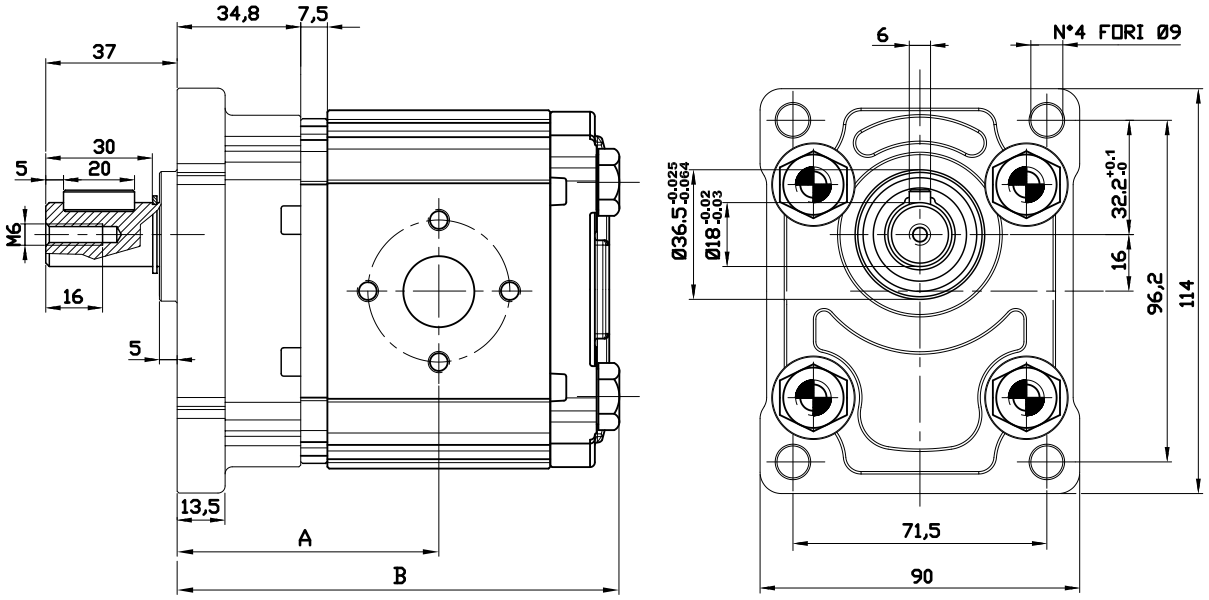
EXAMPLE OF ORDERING CODE

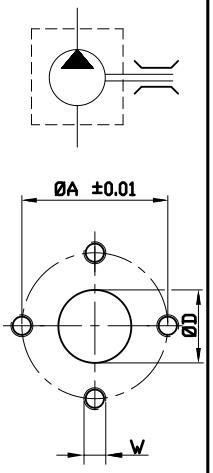
OT200 P 08 S / R 31 S2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise, D Clockwise
- R — Body with O-ring boss ports
- 31 — Straight shaft Ø15.87
- S2 — SAE- A flange

POMPE GRUPPO 2- CON SUPPORTO

VERSIONE: P T 22 P2





Tipo	Cilindrata	Pressione massima continua P1	Pressione di punta P3	Velocita' massima	Dimensione A	Dimensione B	Bocca di aspirazione			Bocca di mandata		
	(cc/giro)	(bar)	(bar)	(giri/min.)	(mm)		ØD	ØA	W	ØD	ØA	W
OT 200 P04	04,10	230	300	4000	66.30	109.80	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	67.80	112.80	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	69.30	115.80	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	71.45	120.10	13	30	M6	13	30	M6
OT 200 P14	14,00	250	300	3000	73.45	124.10	20	40	M8	13	30	M6
OT 200 P16	16,00	250	300	3000	74.90	127.00	20	40	M8	13	30	M6
OT 200 P20	20,00	210	240	3000	77.80	132.80	20	40	M8	13	30	M6
OT 200 P22	22,50	180	210	2500	82.65	144.50	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	85.55	148.30	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	87.65	152.50	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	89.05	155.30	20	40	M8	13	30	M6

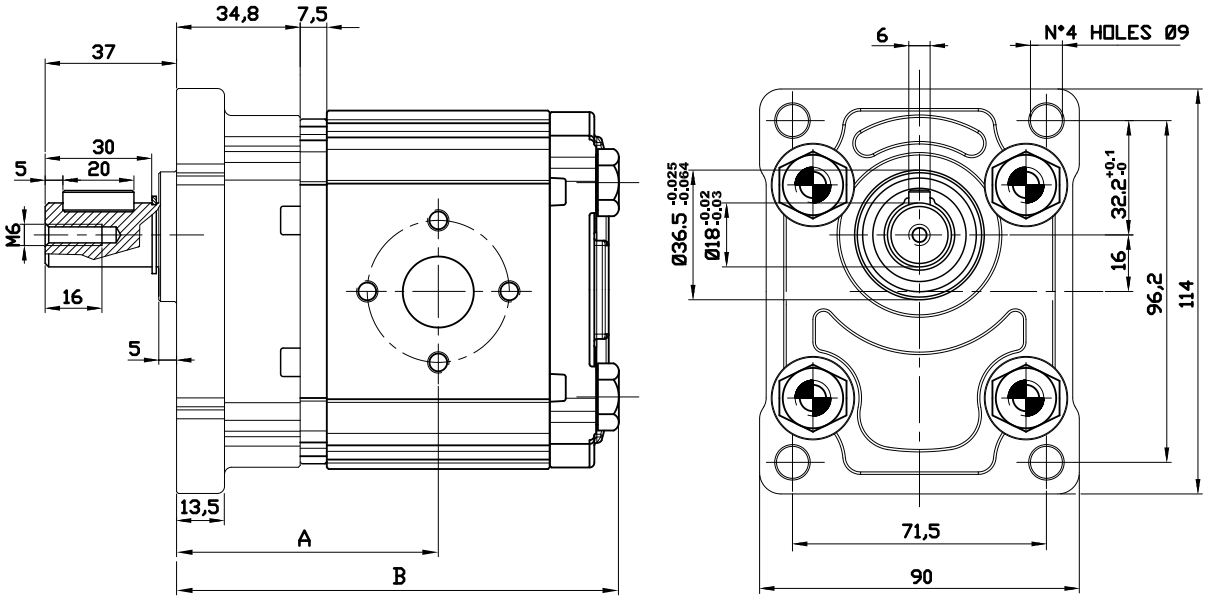
ESEMPIO DI CODICE D'ORDINAZIONE

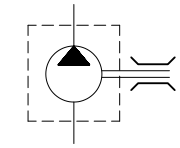
OT200 P 08 S / P / T 22 P2

- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione (S Sinistra, D Destra)
- P — Corpo con bocche a flangia
- T — Supporto con cuscinetto
- 22 — Albero parallelo Ø18
- P2 — Flangia standard Europeo

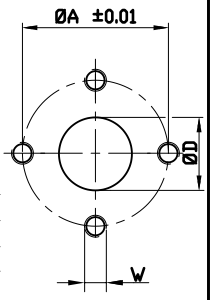
GROUP 2 PUMPS- WITH FRONT BEARING

VERSION: P T 22 P2





Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	66.30	109.80	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	67.80	112.80	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	69.30	115.80	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	71.45	120.10	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	73.45	124.10	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	74.90	127.00	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	77.80	132.80	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	82.65	144.50	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	85.55	148.30	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	87.65	152.50	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	89.05	155.30	20	40	M8	13	30	M6



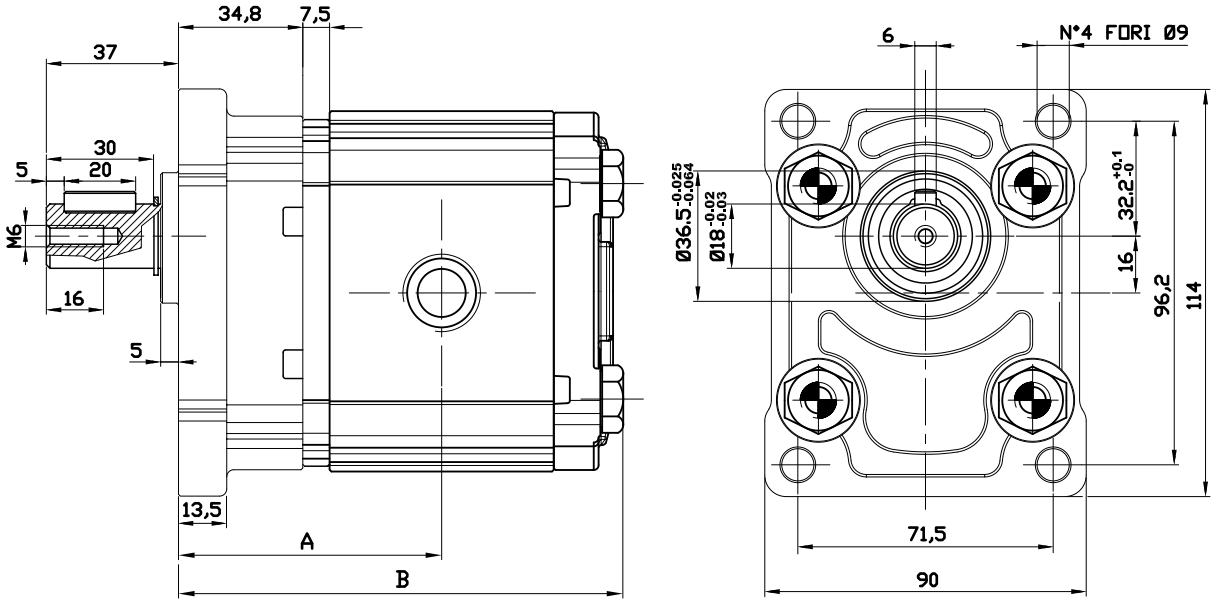
EXAMPLE OF ORDERING CODE

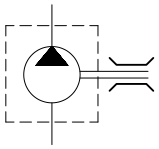
OT200 P 08 S / P / T 22 P2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- P — Body for European flanges
- T — Front bearing
- 22 — Straight shaft Ø18
- P2 — European standard flange

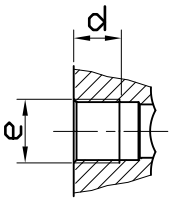
POMPE GRUPPO 2- CON SUPPORTO

VERSIONE: G T 22 P2





Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	250	300	4000	66.30 109.80	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	67.80 112.80	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	69.30 115.80	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	71.45 120.10	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	73.45 124.10	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	74.90 127.00	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	77.80 132.80	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	82.65 144.50	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	85.55 148.30	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	87.65 152.50	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	89.05 155.30	G3/4	16	G1/2	14



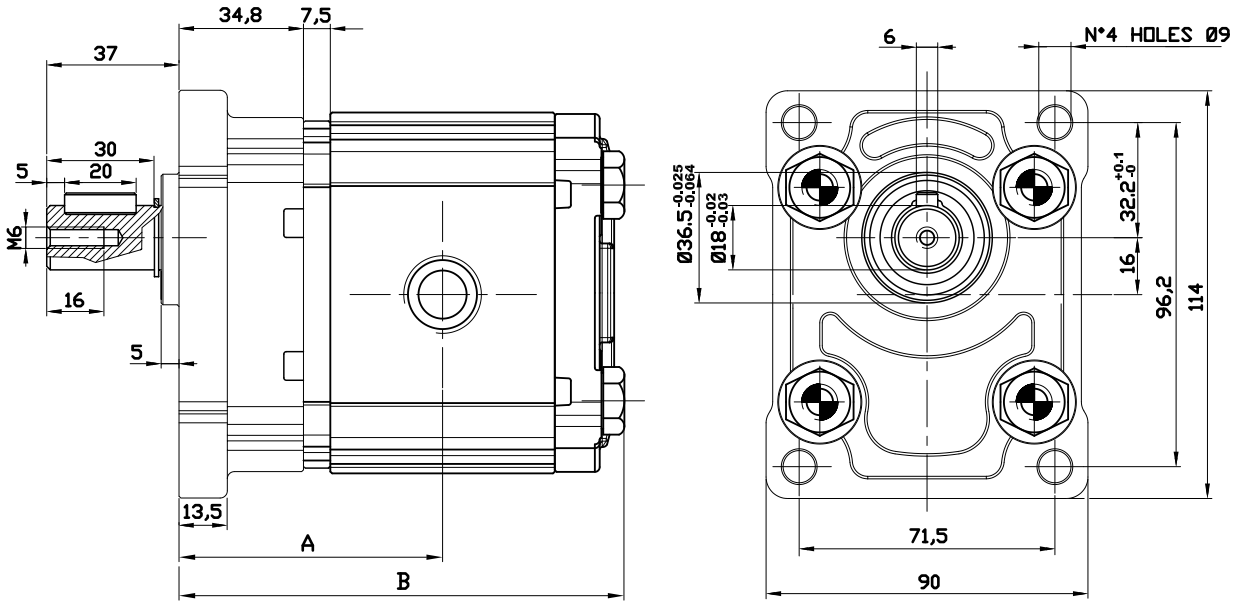
ESEMPIO DI CODICE D'ORDINAZIONE

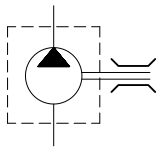
OT200 P 08 S / G / T 22 P2

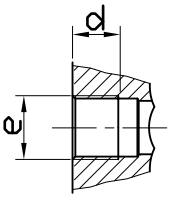
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione: S Sinistra; D Destra
- G — Corpo con bocche filettate (GAS)
- T — Supporto con cuscinetto
- 22 — Albero parallelo Ø18
- P2 — Flangia standard Europeo

GROUP 2 PUMPS- WITH FRONT BEARING

VERSION: G T 22 P2







Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	250	300	4000	66.30	109.80	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	67.80	112.80	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	69.30	115.80	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	71.45	120.10	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	73.45	124.10	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	74.90	127.00	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	77.80	132.80	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	82.65	144.50	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	85.55	148.30	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	87.65	152.50	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	89.05	155.30	G3/4	16	G1/2	14

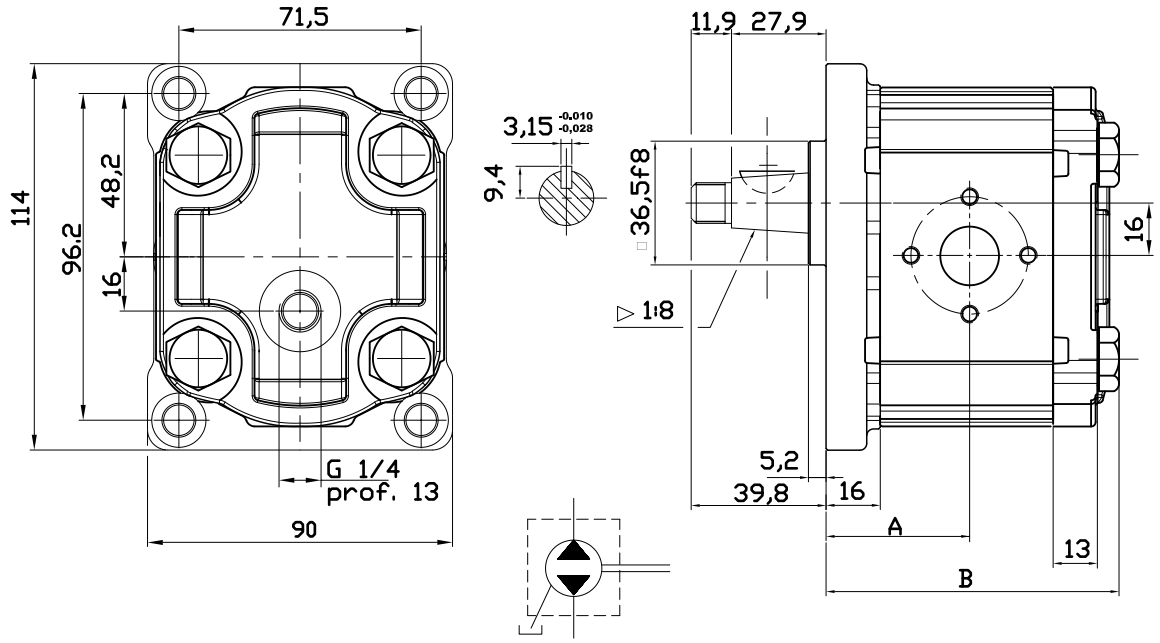
EXAMPLE OF ORDERING CODE

OT200 P 08 S / G / T 22 P2

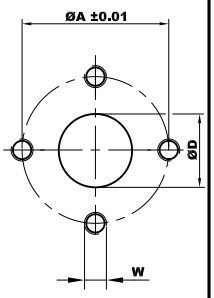
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- G — Body with threated ports (BSP)
- T — Front bearing
- 22 — Straight shaft Ø18
- P2 — European standard flange

POMPE REVERSIBILI GRUPPO 2- STANDARD EUROPEO

VERSIONE: P28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	210	240	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	220	255	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	220	255	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	220	255	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	220	255	3000	47,15	97,80	20	40	M8	20	40	M8
OT 200 P16	16,00	220	255	3000	48,60	100,7	20	40	M8	20	40	M8
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	20	40	M8
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	20	40	M8
OT 200 P25	25,10	170	180	2500	59,25	122,0	20	40	M8	20	40	M8
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	20	40	M8
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	20	40	M8



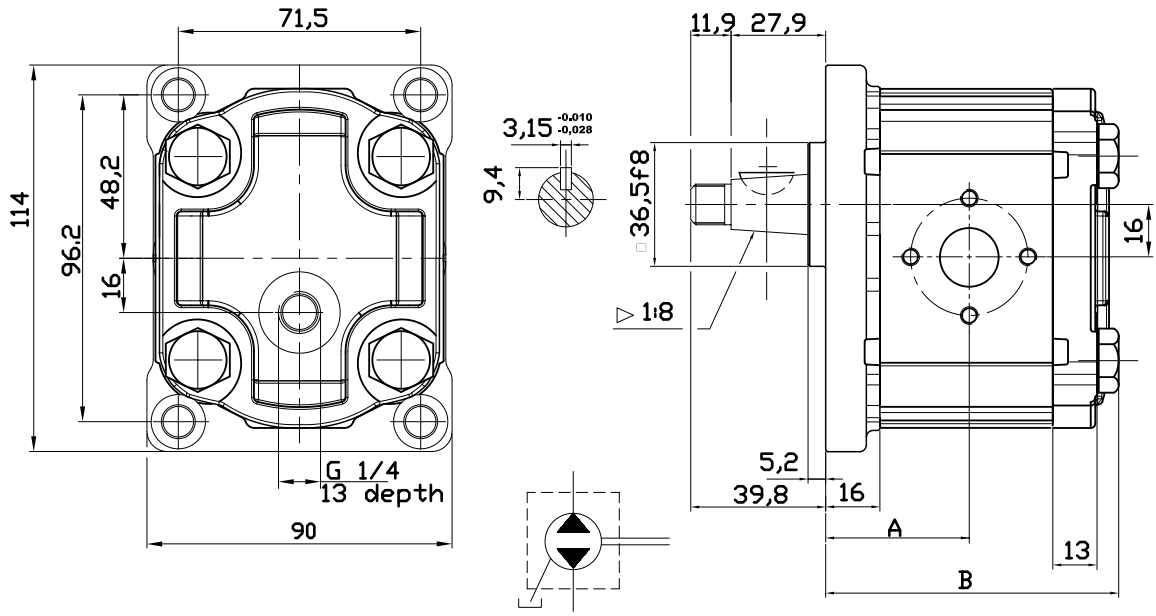
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 R / P 28 P2

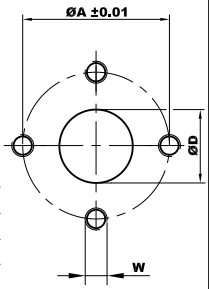
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- R — Rotazione: R = Reversibile
- P — Corpo con bocche a flangia
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

GROUP2 REVERSIBLE PUMPS - EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	210	240	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	220	255	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	220	255	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	220	255	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	220	255	3000	47,15	97,80	20	40	M8	20	40	M8
OT 200 P16	16,00	220	255	3000	48,60	100,7	20	40	M8	20	40	M8
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	20	40	M8
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	20	40	M8
OT 200 P25	25,10	170	180	2500	59,25	122,0	20	40	M8	20	40	M8
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	20	40	M8
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	20	40	M8



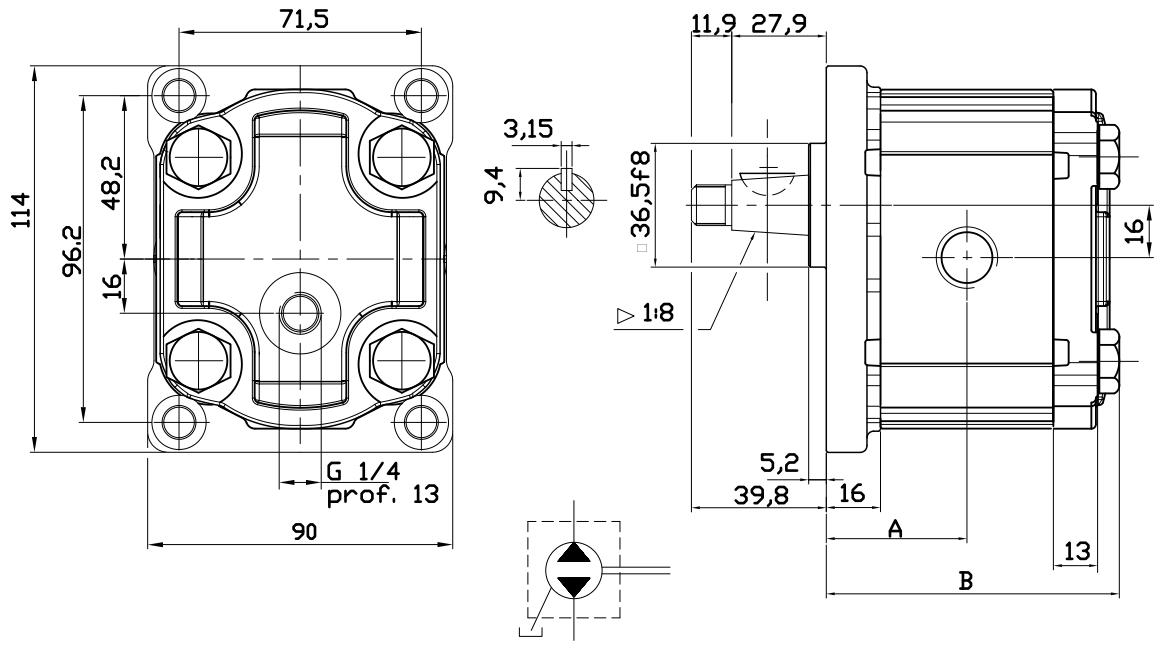
EXAMPLE OF ORDERING CODE

OT200 P 08 R / P 28 P2

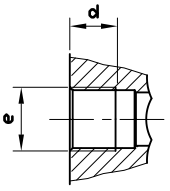
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- R — Rotation: R Reversibile
- P — Body for European flanges
- 28 — Taper shaft (1:8)
- P2 — European standard flange

POMPE REVERSIBILI GRUPPO 2-STANDARD EUROPEO

VERSIONE: G28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	210	240	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	220	255	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	220	255	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	220	255	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	220	255	3000	47,15	97,80	G3/4	16	G3/4	16
OT 200 P16	16,00	220	255	3000	48,60	100,7	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G3/4	16
OT 200 P25	25,10	170	180	2500	59,25	122,0	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G3/4	16



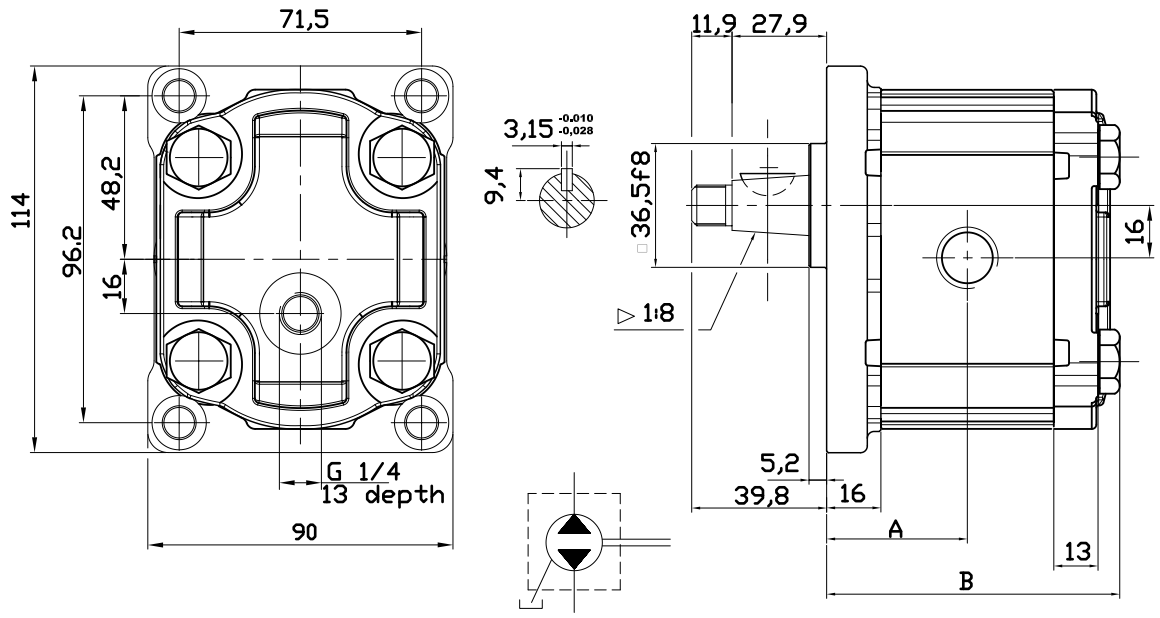
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 R / G 28 P2

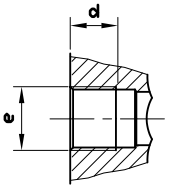
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- R — Rotazione: R Reversibile
- G — Corpo con bocche filettate (GAS)
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

GROUP2 REVERSIBLE PUMPS - EUROPEAN STANDARD

VERSION: G28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension A	Dimension B	Inlet port		Outlet port	
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)		e	d	e	d
OT 200 P04	04,10	210	240	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	220	255	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	220	255	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	220	255	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	220	255	3000	47,15	97,80	G3/4	16	G3/4	16
OT 200 P16	16,00	220	255	3000	48,60	100,7	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G3/4	16
OT 200 P25	25,10	170	180	2500	59,25	122,0	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G3/4	16



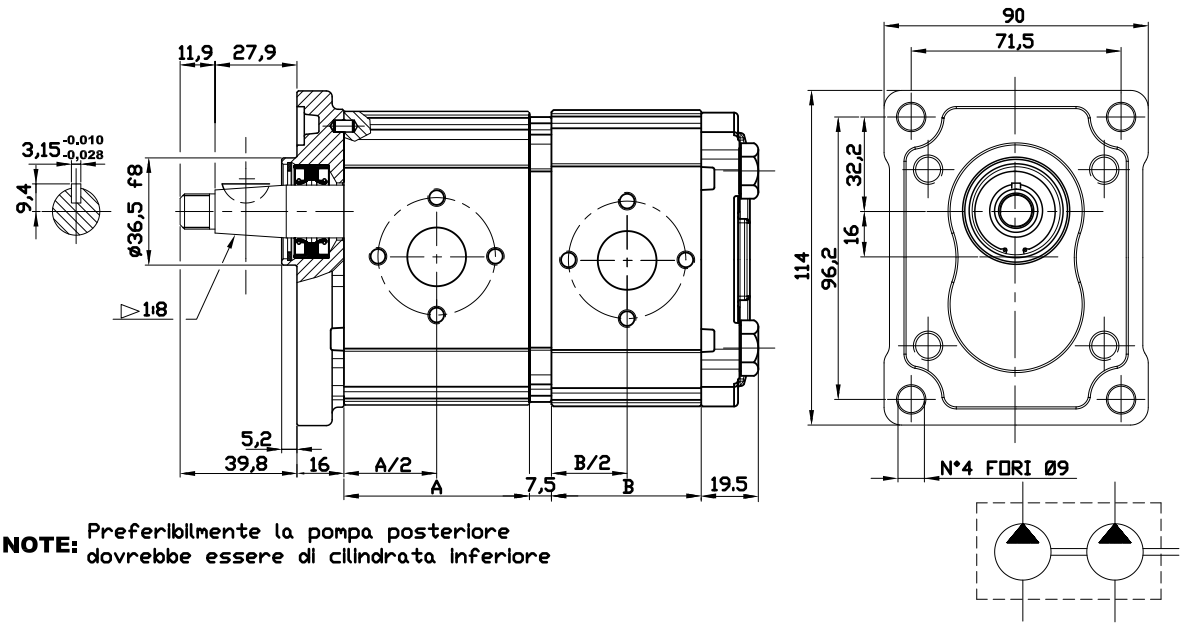
EXAMPLE OF ORDERING CODE

OT200 P 08 R / G 28 P2

- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- R — Rotation: R = Reversible
- G — Body with threated ports (BSP)
- 28 — Taper shaft (1:8)
- P2 — European standard flange

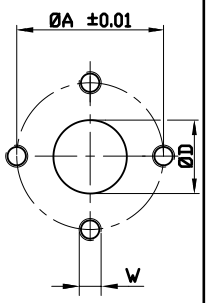
POMPE GRUPPO 2- TANDEM

VERSIONE: P28 P2



NOTE: Preferibilmente la pompa posteriore dovrebbe essere di cilindrata inferiore

Tipo	Cilindrata	Pressione massima continua P1	Pressione di punta P3	Velocita' massima	Dimensione A	Dimensione B	Bocca di aspirazione			Bocca di mandata		
	(cc/giro)	(bar)	(bar)	(giri/min.)	(mm)		ØD	ØA	W	ØD	ØA	W
OT 200 P04	04,10	250	300	4000	48.00	48.00	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	51.00	51.00	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	54.00	54.00	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	58.30	58.30	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	62.30	62.30	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	65.20	65.20	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	71.00	71.00	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	82.70	82.70	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	86.50	86.50	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	90.70	90.70	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	93.50	93.50	20	40	M8	13	30	M6



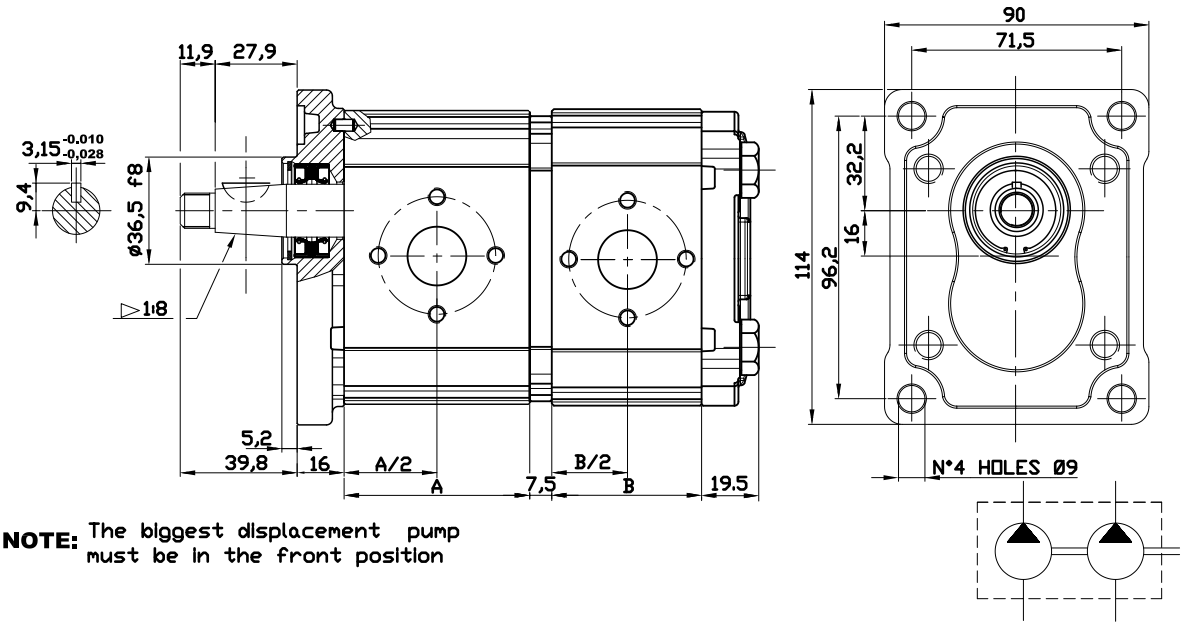
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 16 / 06 S / P 28 P2 / 2

- Serie
- Pompa
- Cilindrata pompa anteriore (Vedi tabella)
- Cilindrata pompa posteriore (Vedi tabella)
- Rotazione: S = Sinistra; D = Destra
- Corpo con bocche a flangia
- Albero conico (1:8)
- Flangia standard Europeo
- 1 = Una aspirazione; 2 = Due aspirazioni

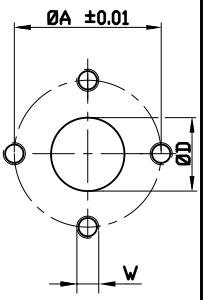
GROUP 2 PUMPS- TANDEM

VERSION: P28 P2



NOTE: The biggest displacement pump must be in the front position

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	48.00	48.00	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	51.00	51.00	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	54.00	54.00	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	58.30	58.30	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	62.30	62.30	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	65.20	65.20	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	71.00	71.00	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	82.70	82.70	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	86.50	86.50	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	90.70	90.70	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	93.50	93.50	20	40	M8	13	30	M6



EXAMPLE OF ORDERING CODE

OT200 P 16 / 06 S / P 28 P2 / 2

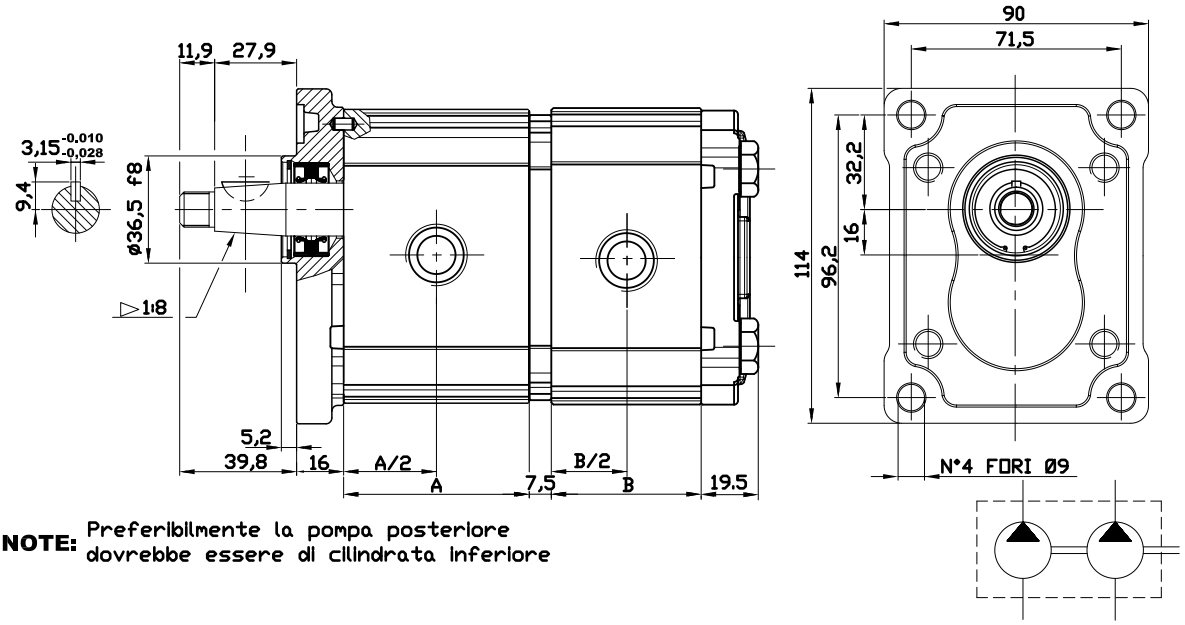
- Series
- Pump
- Front pump displacement (see above table)
- Second pump displacement (see above table)

Rotation	
S	Anti-clockwise
D	Clockwise

- Body for European flanges
- Taper shaft (1:8)
- European standard flange
- 1 = One inlet port
  2 = Two inlet ports

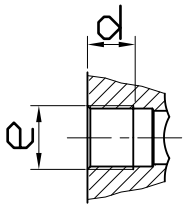
POMPE GRUPPO 2- TANDEM

VERSIONE: G28 P2



NOTE: Preferibilmente la pompa posteriore dovrebbe essere di cilindrata inferiore

Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	250	300	4000	48.00	48.00	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	51.00	51.00	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	54.00	54.00	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	58.30	58.30	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	62.30	62.30	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	65.20	65.20	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	71.00	71.00	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	82.70	82.70	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	86.50	86.50	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	90.70	90.70	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	93.50	93.50	G3/4	16	G1/2	16



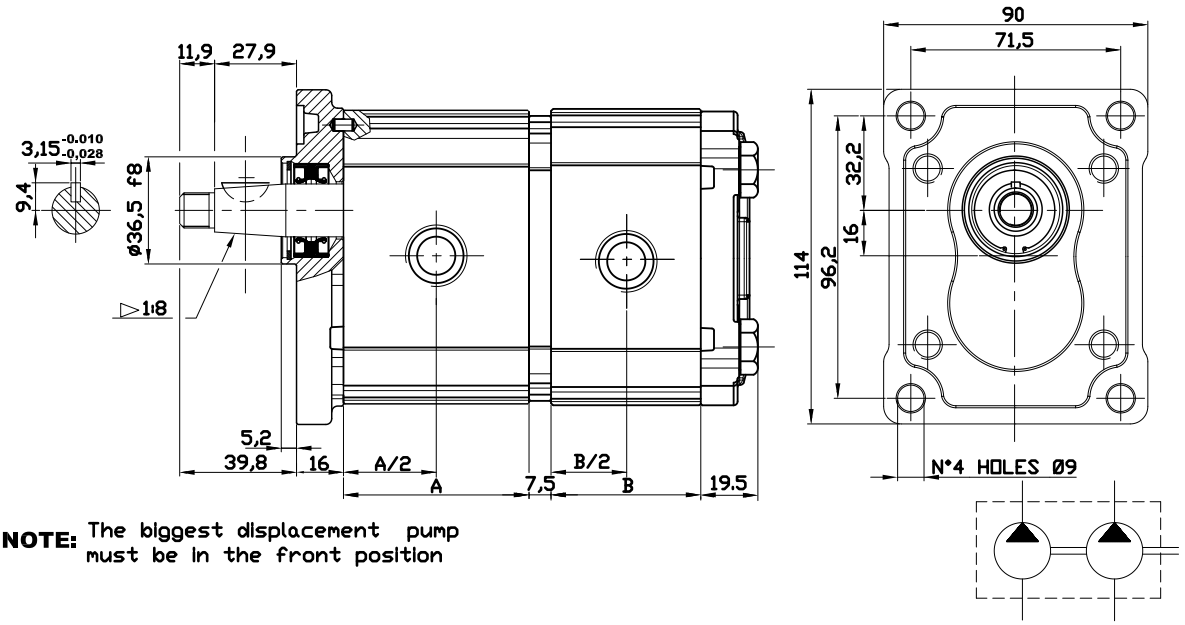
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 16 / 06 S / G 28 P2 / 2

- OT200 — Serie
- P — Pompa
- 16 — Cilindrata pompa anteriore (Vedi tabella)
- 06 — Cilindrata pompa posteriore (Vedi tabella)
- S — Rotazione: S Sinistra; D Destra
- G — Corpo con bocche filettate (GAS)
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo
- 2 — 1 = Una aspirazione; 2 = Due aspirazioni

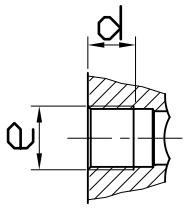
GROUP 2 PUMPS- TANDEM

VERSION: G28 P2



NOTE: The biggest displacement pump must be in the front position

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	250	300	4000	48.00	48.00	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	51.00	51.00	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	54.00	54.00	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	58.30	58.30	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	62.30	62.30	G3/4	16	G1/2	14
OT 200 P16	16,00	240	300	3000	65.20	65.20	G3/4	16	G1/2	14
OT 200 P20	20,00	200	240	3000	71.00	71.00	G3/4	16	G1/2	14
OT 200 P22	22,50	170	210	2500	82.70	82.70	G3/4	16	G1/2	14
OT 200 P25	25,10	170	210	2500	86.50	86.50	G3/4	16	G1/2	14
OT 200 P28	28,00	140	180	2500	90.70	90.70	G3/4	16	G1/2	14
OT 200 P30	30,00	130	170	2000	93.50	93.50	G3/4	16	G1/2	14



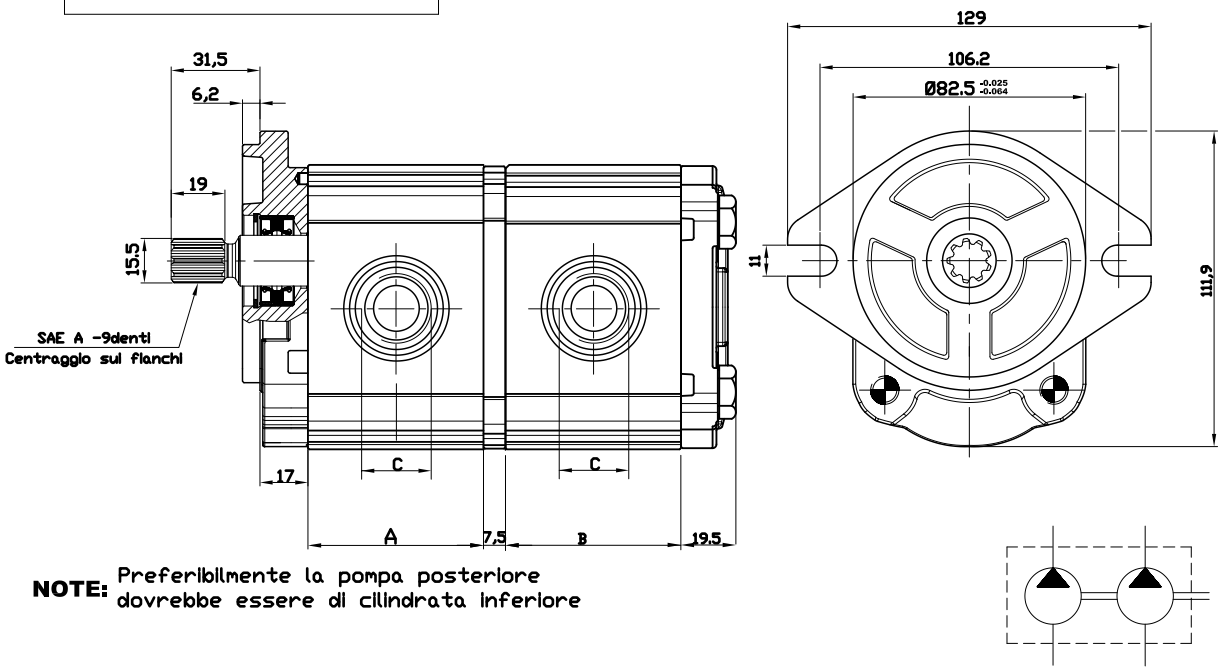
EXAMPLE OF ORDERING CODE

OT200 P 16 / 06 S / G 28 P2 / 2

- OT200 — Series
- P — Pump
- 16 / 06 — Front pump displacement (see above table) / Second pump displacement (see above table)
- S — Rotation: S Anti-clockwise, D Clockwise
- G — Body with threated ports (BSP)
- 28 — Taper shaft (1:8)
- P2 — European standard flange
- 2 — 1 = One inlet port, 2 = Two inlet ports

POMPE GRUPPO 2- SAE "A" TANDEM

VERSIONE: R21 S2



NOTE: Preferibilmente la pompa posteriore dovrebbe essere di cilindrata inferiore

Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A	Dimensione B	Bocca di aspirazione C	Bocca di mandata C
					(mm)			
OT 200 P04	04,10	250	300	4000	48.00	48.00	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	51.00	51.00		
OT 200 P08	08,20	250	300	3500	54.00	54.00		
OT 200 P11	11,20	250	300	3500	58.30	58.30		
OT 200 P14	14,00	240	300	3000	62.30	62.30	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	65.20	65.20		
OT 200 P20	20,00	200	240	3000	71.00	71.00		
OT 200 P22	22,50	170	210	2500	82.70	82.70		
OT 200 P25	25,10	170	210	2500	86.50	86.50		
OT 200 P28	28,00	140	180	2500	90.70	90.70		
OT 200 P30	30,00	130	170	2000	93.50	93.50		

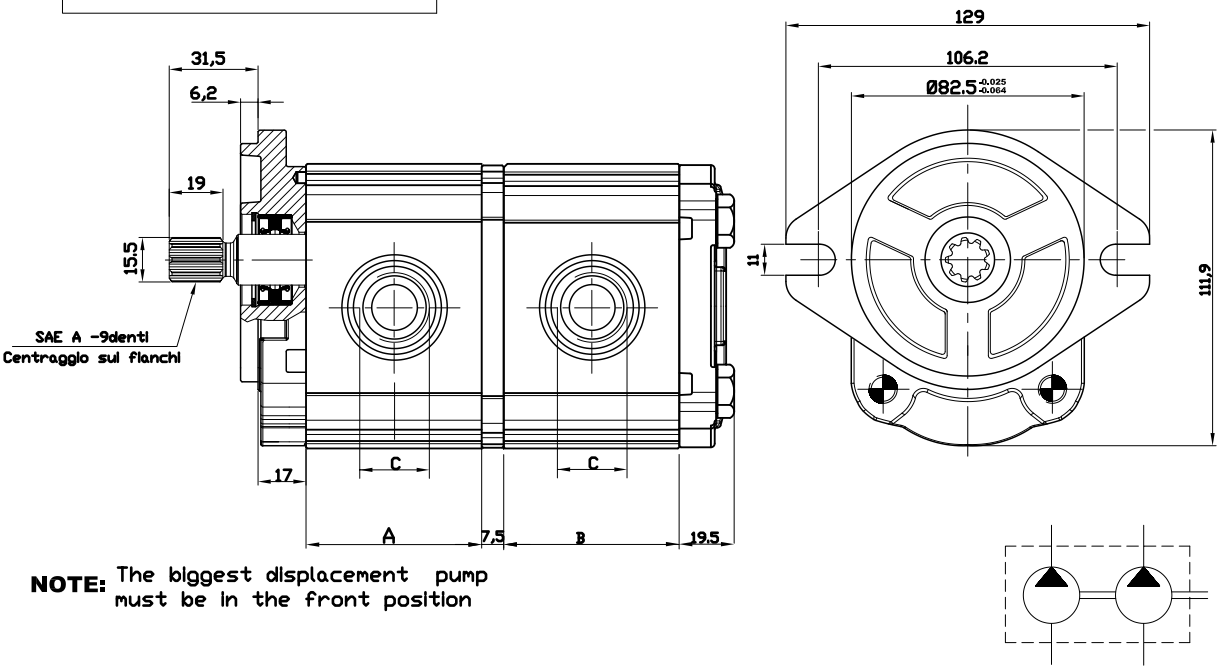
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 16 / 06 S / R 21 S2 / 2

- OT200 — Serie
- P — Pompa
- 16 — Cilindrata pompa anteriore (Vedi tabella)
- 06 — Cilindrata pompa posteriore (Vedi tabella)
- S — Rotazione: S Sinistra; D Destra
- R — Corpo con bocche O-Ring boss
- 21 — Albero SAE-A 9T 16/32 DP
- S2 — Flangia SAE A
- 2 — 1 = Una aspirazione; 2 = Due aspirazioni

GROUP 2 PUMPS- TANDEM SAE "A" STANDARD

VERSION: R21 S2



NOTE: The biggest displacement pump must be in the front position

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port C	Outlet port C
OT 200 P04	04,10	250	300	4000	48.00	48.00	7/8-14UNF-2B	7/8-14UNF-2B
OT 200 P06	06,20	250	300	3500	51.00	51.00		
OT 200 P08	08,20	250	300	3500	54.00	54.00		
OT 200 P11	11,20	250	300	3500	58.30	58.30		
OT 200 P14	14,00	240	300	3000	62.30	62.30	1-1/16-12UN-2B	
OT 200 P16	16,00	240	300	3000	65.20	65.20		
OT 200 P20	20,00	200	240	3000	71.00	71.00		
OT 200 P22	22,50	170	210	2500	82.70	82.70		
OT 200 P25	25,10	170	210	2500	86.50	86.50		
OT 200 P28	28,00	140	180	2500	90.70	90.70		
OT 200 P30	30,00	130	170	2000	93.50	93.50		

ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 16 / 06 S / R 21 S2 / 2

- OT200 — Series
- P — Pump
- 16 — Front pump displacement (see above table)
- 06 — Second pump displacement (see above table)
- S — Rotation: S = Anti-clockwise, D = Clockwise
- R — Body with O-ring boss ports
- 21 — SAE A -9T-16/32 DP shaft
- S2 — SAE- A flange
- 2 — 1 = One inlet port, 2 = Two inlet ports

POMPE TANDEM - OT200 + OT100

VERSIONE: G28 P2

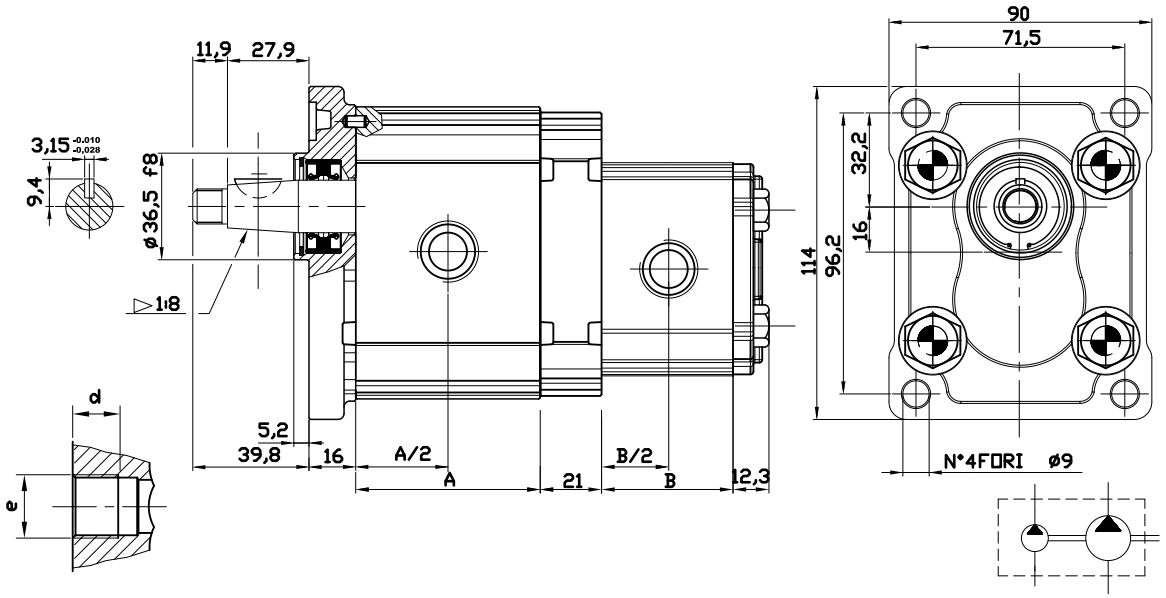


TABELLA OT200

Tipo	Cilindrata	Dim. A	Bocca di aspirazione		Bocca di mandata	
	(cc/giro)	(mm)	e	d	e	d
OT 200 P04	04,10	48.00	G1/2	14	G1/2	14
OT 200 P06	06,20	51.00	G1/2	14	G1/2	14
OT 200 P08	08,20	54.00	G1/2	14	G1/2	14
OT 200 P11	11,20	58.30	G1/2	14	G1/2	14
OT 200 P14	14,00	62.30	G3/4	16	G1/2	14
OT 200 P16	16,00	65.20	G3/4	16	G1/2	14
OT 200 P20	20,00	71.00	G3/4	16	G1/2	14
OT 200 P22	22,50	82.70	G3/4	16	G1/2	14
OT 200 P25	25,10	86.50	G3/4	16	G1/2	14
OT 200 P28	28,00	90.70	G3/4	16	G1/2	14
OT 200 P30	30,00	93.50	G3/4	16	G1/2	16

TABELLA OT100

Tipo	Cilindrata	Dim. B	Bocca di aspirazione		Bocca di mandata	
	(cc/giro)	(mm)	e	d	e	d
OT 100 P07	0.73	36.7	G3/8	14	G3/8	14
OT 100 P11	1.05	37.8	G3/8	14	G3/8	14
OT 100 P16	1.55	39.5	G3/8	14	G3/8	14
OT 100 P20	1.90	40.9	G3/8	14	G3/8	14
OT 100 P25	2.50	43.0	G3/8	14	G3/8	14
OT 100 P32	3.10	45.0	G3/8	14	G3/8	14
OT 100 P40	3.80	47.8	G3/8	14	G3/8	14
OT 100 P49	4.70	50.9	G3/8	14	G3/8	14
OT 100 P58	5.55	54.0	G1/2	14	G3/8	14
OT 100 P65	6.25	56.5	G1/2	14	G3/8	14
OT 100 P79	7.60	61.2	G1/2	14	G3/8	14

NOTE: **Per definire le relative pressioni di funzionamento consultare i fogli delle corrispondenti pompe singole.**

ESEMPIO DI CODICE D'ORDINAZIONE

OT200/100 P 16 / 32 S / G 28 P2 /2

- OT200/100 — Serie
- P — Pompa
- 16 — Cilindrata pompa anteriore (Vedi tabella 1- OT200)
- 32 — Cilindrata pompa posteriore (Vedi tabella 2- OT100)
- S — Rotazione: S Sinistra; D Destra
- G — Corpo con bocche filettate (GAS)
- 28 — Albero conico 1:8
- P2 — Flangia standard Europeo
- /2 — Due aspirazioni

TANDEM PUMPS- OT200+ OT100

VERSION: G28 P2

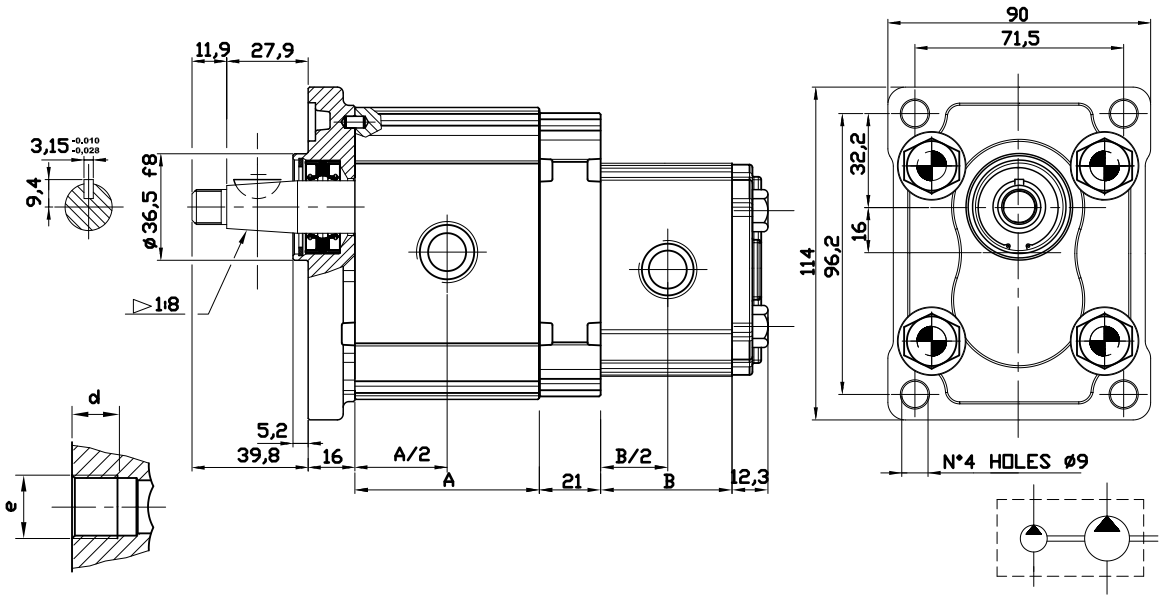


TABLE 1 OT200

Type	Displacement	Dim. A	Inlet port		Outlet port	
	(cc/rev)	(mm)	e	d	e	d
OT 200 P04	04,10	48.00	G1/2	14	G1/2	14
OT 200 P06	06,20	51.00	G1/2	14	G1/2	14
OT 200 P08	08,20	54.00	G1/2	14	G1/2	14
OT 200 P11	11,20	58.30	G1/2	14	G1/2	14
OT 200 P14	14,00	62.30	G3/4	16	G1/2	14
OT 200 P16	16,00	65.20	G3/4	16	G1/2	14
OT 200 P20	20,00	71.00	G3/4	16	G1/2	14
OT 200 P22	22,50	82.70	G3/4	16	G1/2	14
OT 200 P25	25,10	86.50	G3/4	16	G1/2	14
OT 200 P28	28,00	90.70	G3/4	16	G1/2	14
OT 200 P30	30,00	93.50	G3/4	16	G1/2	14

TABLE 2 OT100

	Displacement	Dim. B	Inlet port		Outlet port	
	(cc/rev)	(mm)	e	d	e	d
OT 100 P07	0.73	36.7	G3/8	14	G3/8	14
OT 100 P11	1.05	37.8	G3/8	14	G3/8	14
OT 100 P16	1.55	39.5	G3/8	14	G3/8	14
OT 100 P20	1.90	40.9	G3/8	14	G3/8	14
OT 100 P25	2.50	43.0	G3/8	14	G3/8	14
OT 100 P32	3.10	45.0	G3/8	14	G3/8	14
OT 100 P40	3.80	47.8	G3/8	14	G3/8	14
OT 100 P49	4.70	50.9	G3/8	14	G3/8	14
OT 100 P58	5.55	54.0	G1/2	14	G3/8	14
OT 100 P65	6.25	56.5	G1/2	14	G3/8	14
OT 100 P79	7.60	61.2	G1/2	14	G3/8	14

NOTE: **Define relative working and peak pressure consulting relative single pump table.**

OT200/100 P 16 / 32 S / G 28 P2 /2

- Series
- Pump
- Displacement front punp (See table1- OT200)
- Displacement second pump (See table2- OT100)
- Rotation: S Anti-clockwise; D Clockwise
- Body with threated ports (BSP)
- Taper shaft (1:8)
- European standard flange
- Two inlet ports

MOTORI GRUPPO 2

PARAMETRI DI FUNZIONAMENTO MOTORI UNIDIREZIONALI OT200

MOTORE TIPO	CILINDRATA	PRESSIONE MAX.			VELOCITA' MAX	VELOCITA' MIN
		P1	P2	P3		
	cm^3 / giro	bar			min^{-1}	min^{-1}
OT200 M04	4.1	230	260	280	4000	600
OT200 M06	6.2	250	280	300		
OT200 M08	8.2				3500	
OT200 M11	11.2					
OT200 M14	14.0					500
OT200 M16	16.0				3000	
OT200 M20	20.0	200	220	240		
OT200 M22	22.5	170	190	210	2500	
OT200 M25	25.10					
OT200 M28	28.0	130	150	170	2000	
OT200 M30	30.0					

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

GROUP2 MOTORS

OT200 SINGLE ROTATION MOTORS GENERAL DATA

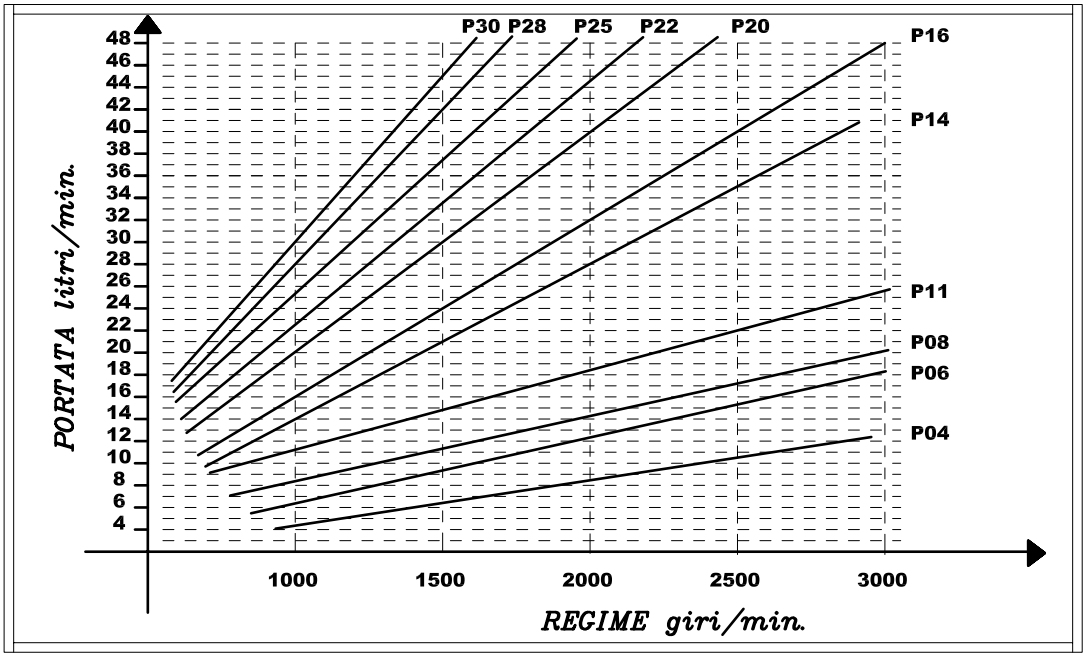
MOTOR TYPE	DISPLACEMENT	MAX. PRESSURE			MAX. SPEED	MIN. SPEED
		P1	P2	P3		
	cc / rev	bar			rev	rev
OT200 M04	4.1	230	260	280	4000	600
OT200 M06	6.2	250	280	300		
OT200 M08	8.2				3500	
OT200 M11	11.2					
OT200 M14	14.0					500
OT200 M16	16.0				3000	
OT200 M20	20.0	200	220	240		
OT200 M22	22.5	170	190	210	2500	
OT200 M25	25.10					
OT200 M28	28.0	130	150	170	2000	
OT200 M30	30.0					

P1= Max. continuous pressure P2= Max. intermittent pressure P3= Max. peak pressure

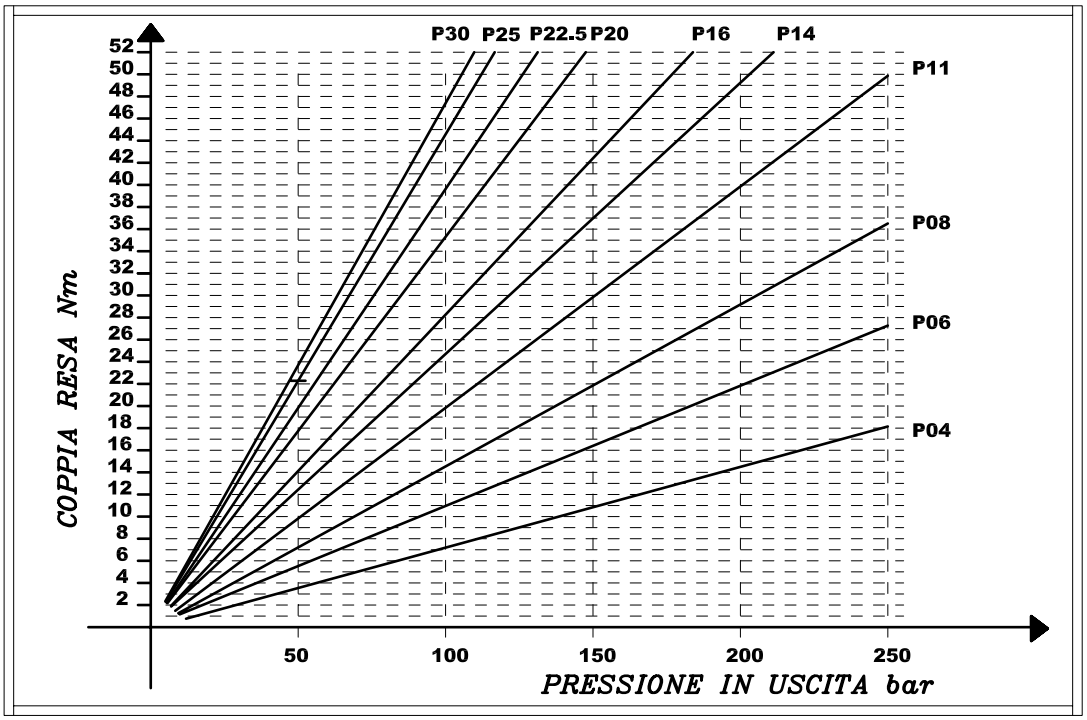
FOR DIMENSION PLEASE CHECK
RELATIVE SINGLE PUMP TABLES

MOTORI GRUPPO 2

CURVE CARATTERISTICHE DI PORTATA



COPPIA RESA

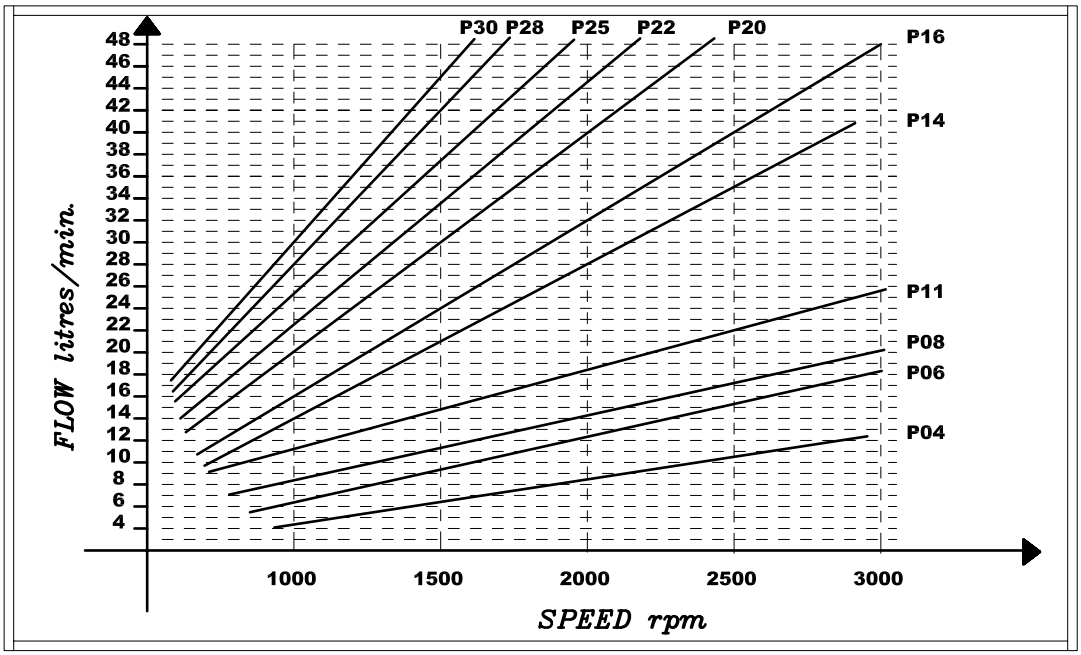


NOTE

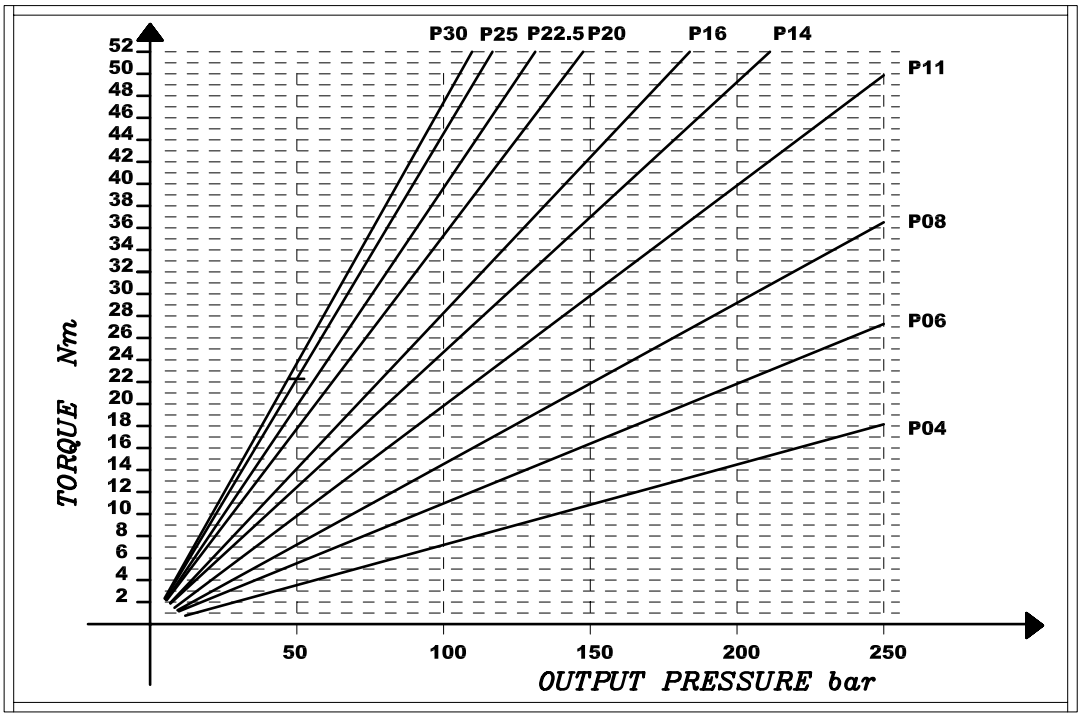
Le curve caratteristiche di portata sono state tracciate alla pressione P1

GROUP2 MOTORS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

The flow characteristics curves have been made at P1 pressure.

MOTORI GRUPPO 2

DETERMINAZIONE DI UN MOTORE

V	Cilindrata	cm^3/giro
Q	Portata	l/min
P	Potenza	kW
C	Coppia	N · m
N	Velocita'	-15°C / +80°C
ΔP	Pressione	bar
n_v	Rendimento volumetrico	0.95
n_m	Rendimento meccanico	0.85
n_t	Rendimento totale	0.81

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

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

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

GROUP2 MOTORS

MOTOR CALCULATION

V	Displacement	CC / REV
Q	Flow	l/min
P	Power	kW
C	Torque	N · m
N	Speed	-15°C / +80°C
ΔP	Pressure	bar
n_v	Volumetric efficiency	0.95
n_m	Mechanical efficiency	0.85
n_t	Total efficiency	0.81

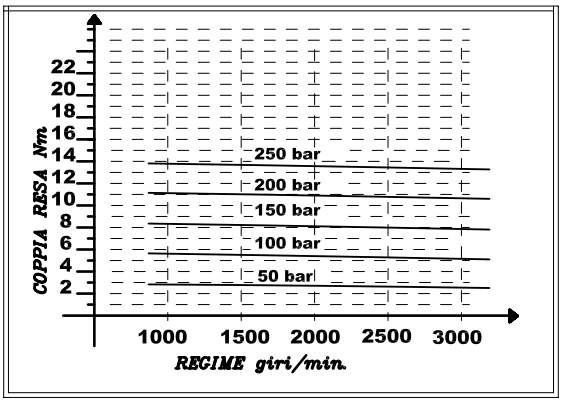
$$Q = \frac{V \cdot N}{n_v} \cdot 10^{-3} \qquad l/min$$

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

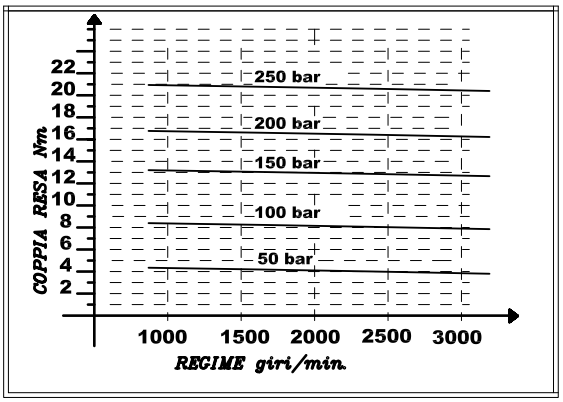
$$P = \frac{\Delta P \cdot V \quad N \cdot n_t}{612000} \qquad kW$$

MOTORI GRUPPO 2 CURVE CARATTERISTICHE COPPIA

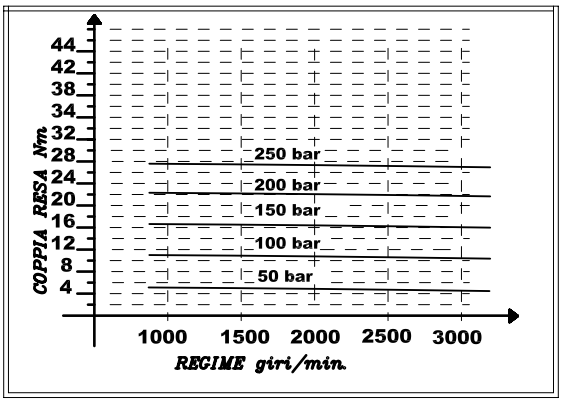
MOTORI OT200 M04



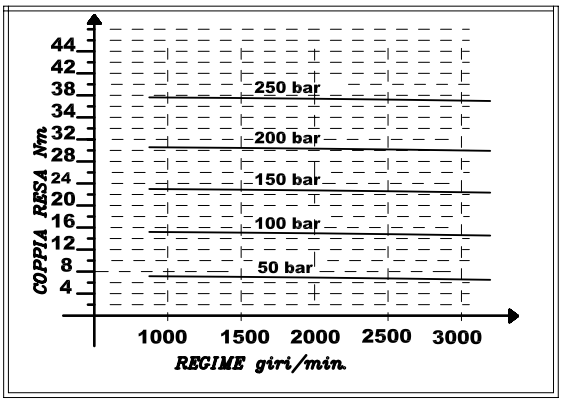
MOTORI OT200 M06



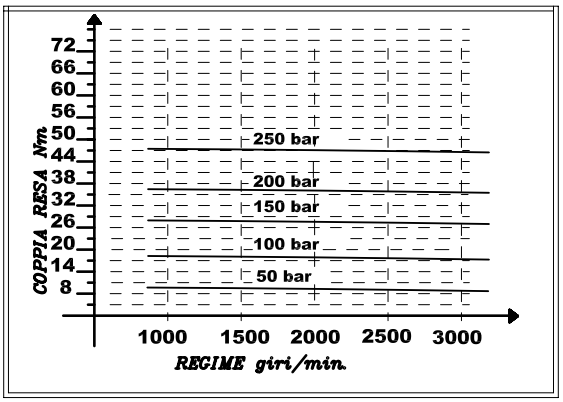
MOTORI OT200 M08



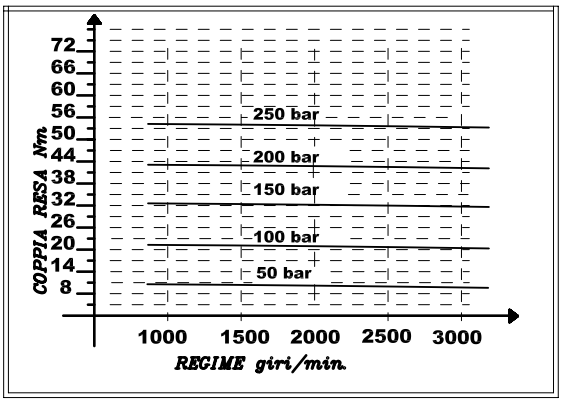
MOTORI OT200 M11.2



MOTORI OT200 M14

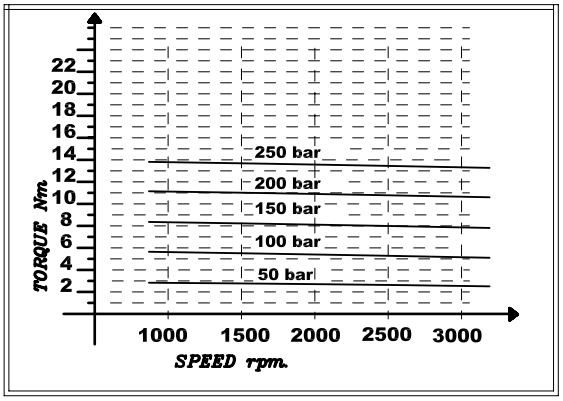


MOTORI OT200 M16

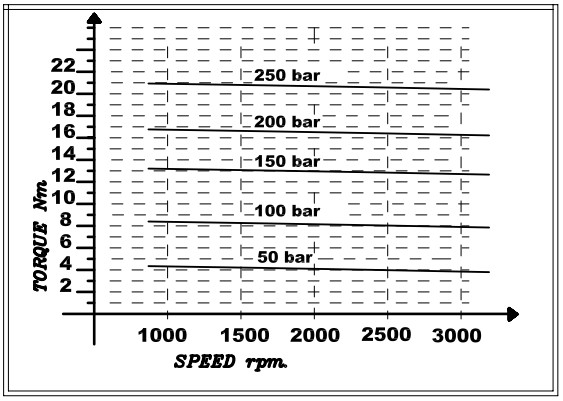


GROUP2 MOTORS - TORQUE CHARACTERISTICS CURVES

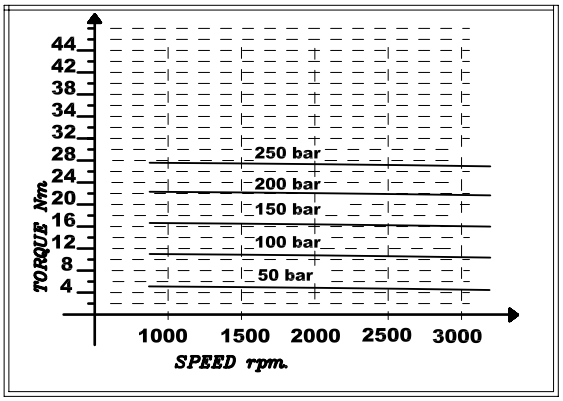
MOTORS OT200 M04



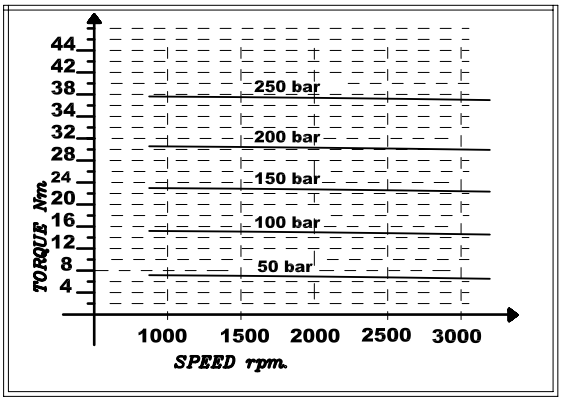
MOTORS OT200 M06



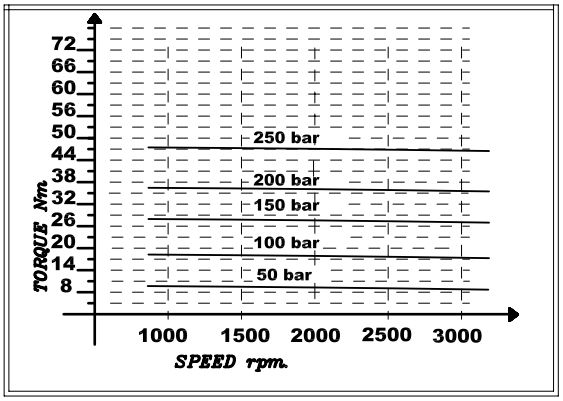
MOTORS OT200 M08



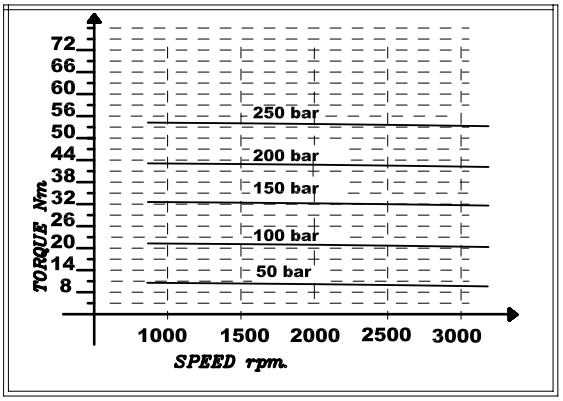
MOTORS OT200 M11.2



MOTORS OT200 M14

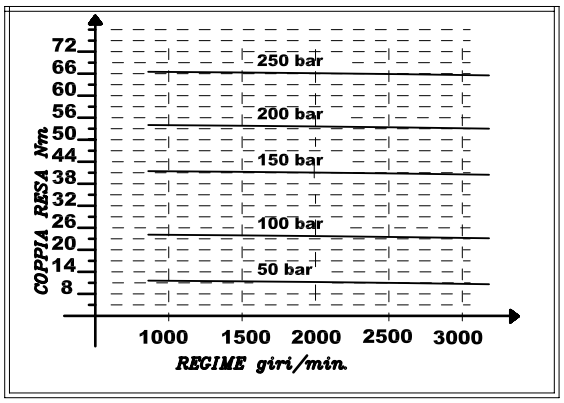


MOTORS OT200 M16

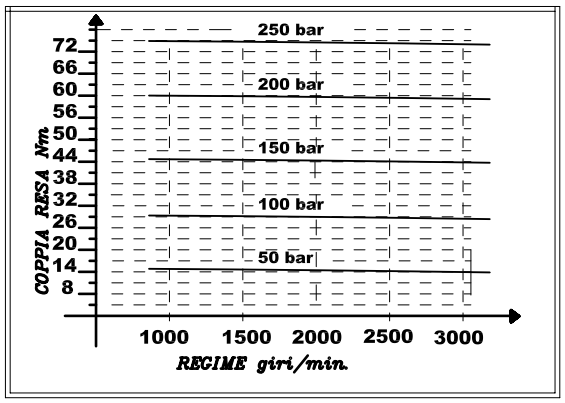


MOTORI GRUPPO 2 CURVE CARATTERISTICHE COPPIA

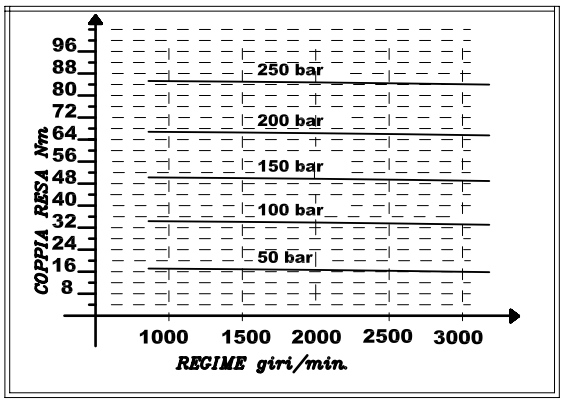
MOTORI OT200 M20



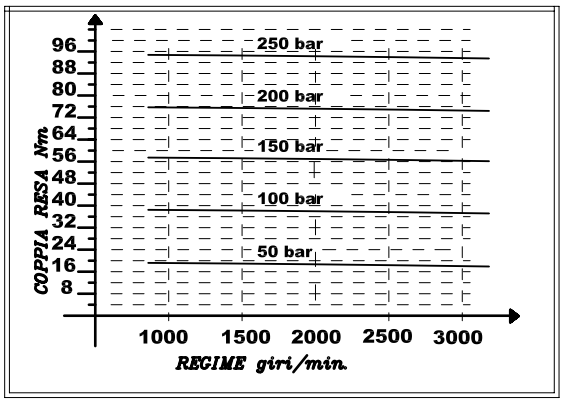
MOTORI OT200 M22



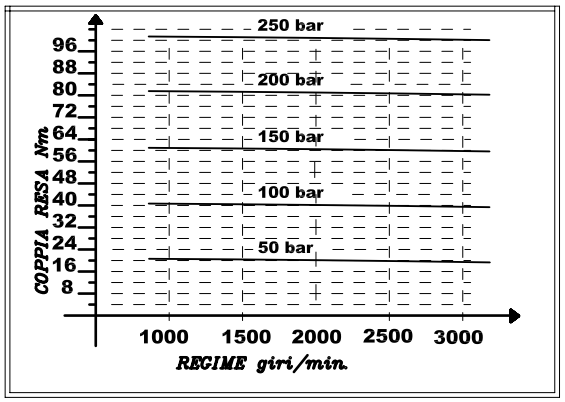
MOTORI OT200 M25



MOTORI OT200 M28

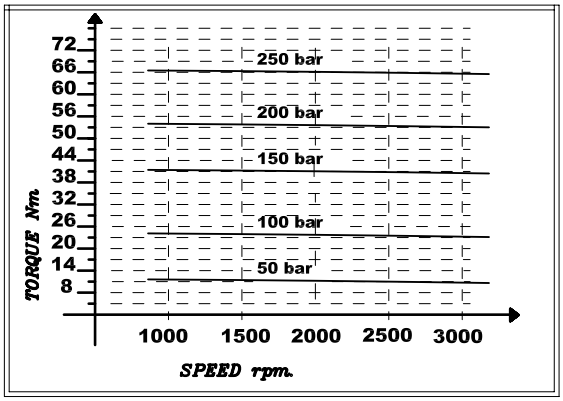


MOTORI OT200 M30

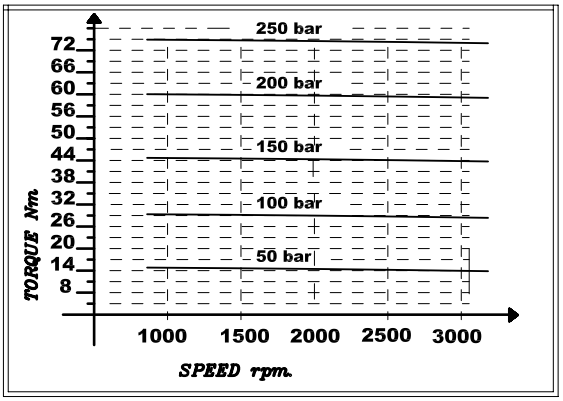


GROUP2 MOTORS - TORQUE CHARACTERISTICS CURVE

MOTORS OT200 M20



MOTORS OT200 M22



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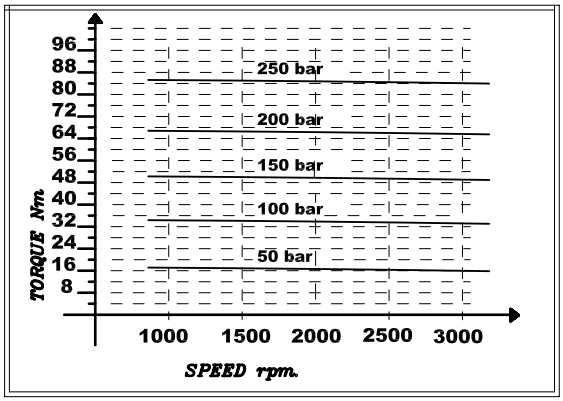

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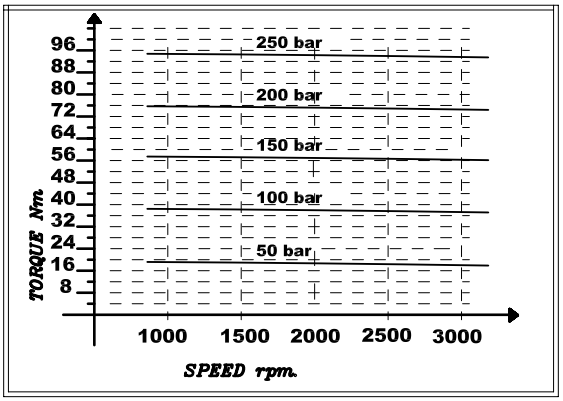
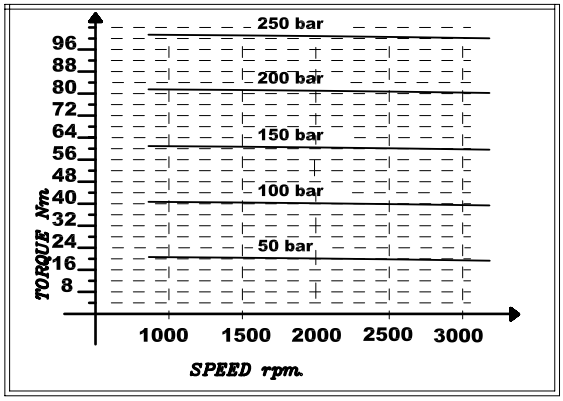
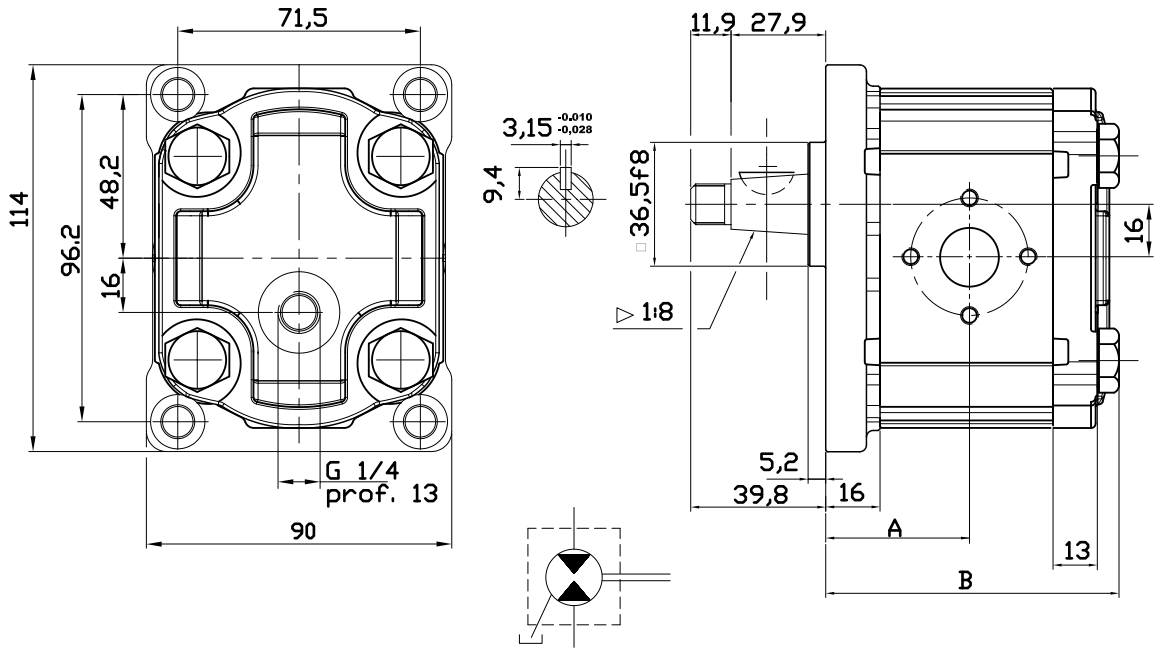


MOTORS OT200 M30

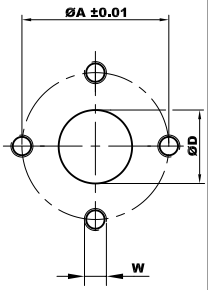


MOTORI REVERSIBILI GRUPPO 2 - STANDARD EUROPEO

VERSIONE: P28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	210	240	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	220	255	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	220	255	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	220	255	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	220	255	3000	47,15	97,80	20	40	M8	20	40	M8
OT 200 P16	16,00	220	255	3000	48,60	100,7	20	40	M8	20	40	M8
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	20	40	M8
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	20	40	M8
OT 200 P25	25,10	170	180	2500	59,25	122,0	20	40	M8	20	40	M8
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	20	40	M8
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	20	40	M8



ESEMPIO DI CODICE D'ORDINAZIONE

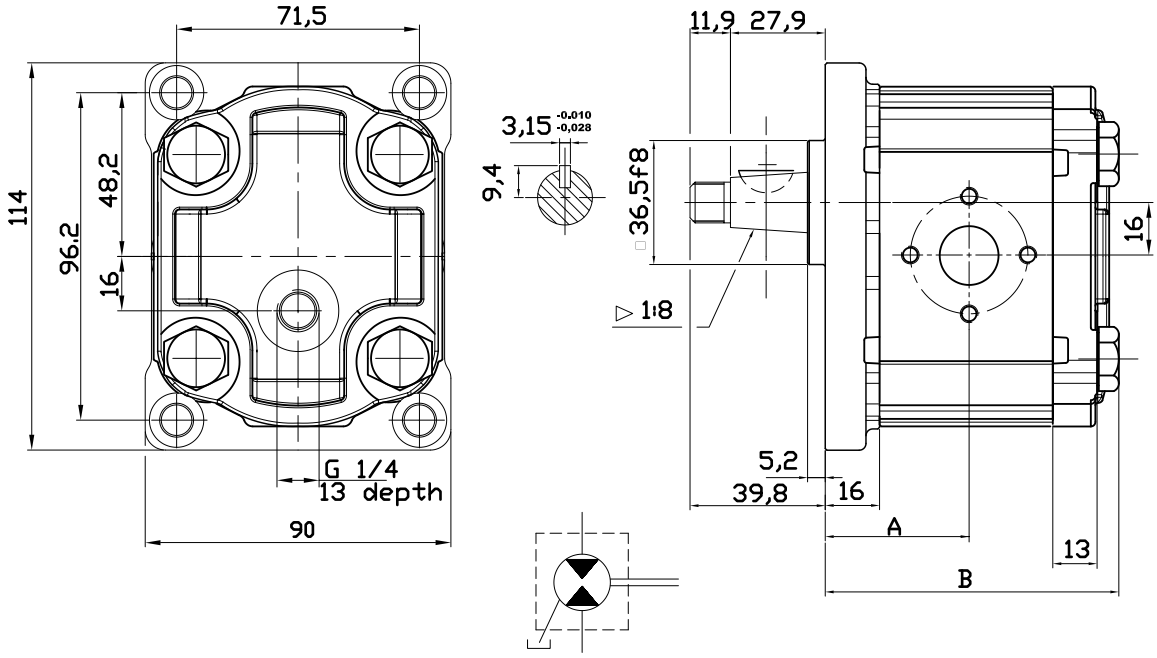
OT200 M 08 R / P 28 P2

- OT200 — Serie
- M — Motore
- 08 — Cilindrata (vedere tabella)
- R — Rotazione: R Reversibile
- P — Corpo con bocche a flangia
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

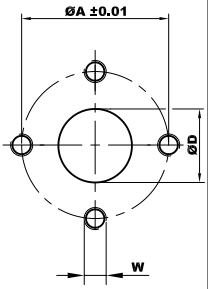
Consultare nostro ufficio tecnico.

GROUP2 REVERSIBLE MOTORS - EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension A	Dimension B	Inlet port			Outlet port		
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)		ØD	ØA	W	ØD	ØA	W
OT 200 P04	04,10	210	240	4000	40,00	83,50	13	30	M6	13	30	M6
OT 200 P06	06,20	220	255	3500	41,50	86,50	13	30	M6	13	30	M6
OT 200 P08	08,20	220	255	3500	43,00	89,50	13	30	M6	13	30	M6
OT 200 P11	11,20	220	255	3500	45,15	93,80	13	30	M6	13	30	M6
OT 200 P14	14,00	220	255	3000	47,15	97,80	20	40	M8	20	40	M8
OT 200 P16	16,00	220	255	3000	48,60	100,7	20	40	M8	20	40	M8
OT 200 P20	20,00	200	240	3000	51,50	106,5	20	40	M8	20	40	M8
OT 200 P22	22,50	170	210	2500	57,35	118,2	20	40	M8	20	40	M8
OT 200 P25	25,10	170	180	2500	59,25	122,0	20	40	M8	20	40	M8
OT 200 P28	28,00	140	180	2500	61,35	126,2	20	40	M8	20	40	M8
OT 200 P30	30,00	130	170	2000	62,75	129,0	20	40	M8	20	40	M8



EXAMPLE OF ORDERING CODE

OT200 M 08 R / P 28 P2

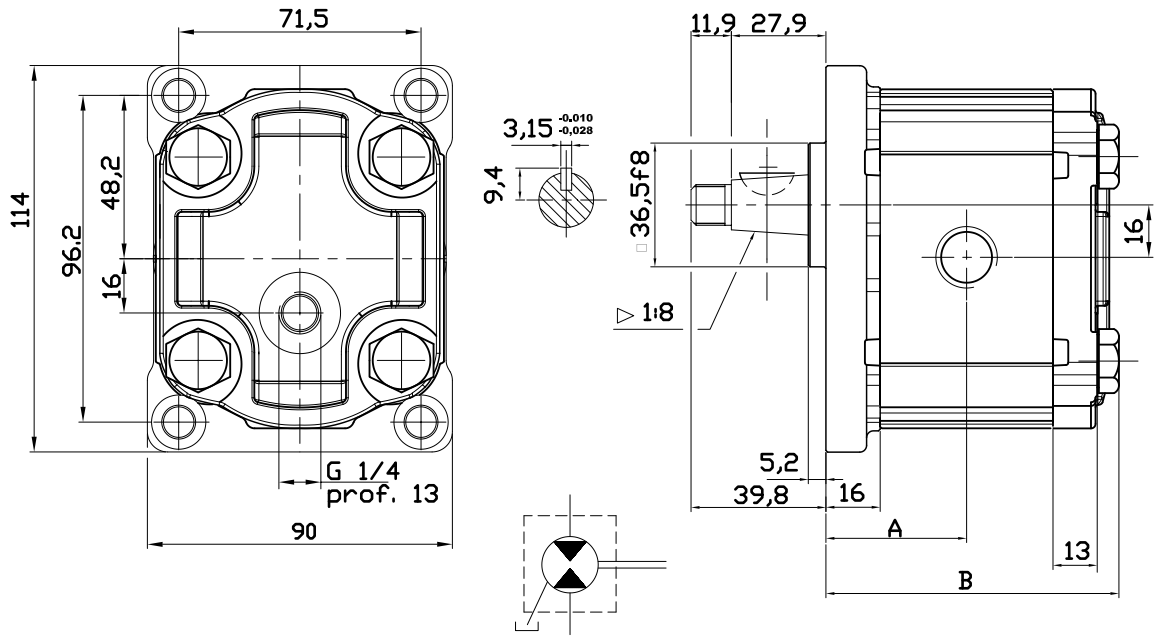
- OT200 — Series
- M — Motor
- 08 — Displacement (see above table)
- R — Rotation: R Reversibile
- P — Body for European flanges
- 28 — Taper shaft (1:8)
- P2 — European standard flange

Consult our technical department.

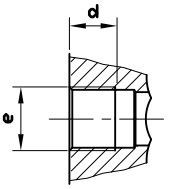
OILTECHNOLOGY

MOTORI REVERSIBILI GRUPPO 2 - STANDARD EUROPEO

VERSIONE: G28 P2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	210	240	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	220	255	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	220	255	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	220	255	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	220	255	3000	47,15	97,80	G3/4	16	G3/4	16
OT 200 P16	16,00	220	255	3000	48,60	100,7	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G3/4	16
OT 200 P25	25,10	170	180	2500	59,25	122,0	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G3/4	16



ESEMPIO DI CODICE D'ORDINAZIONE

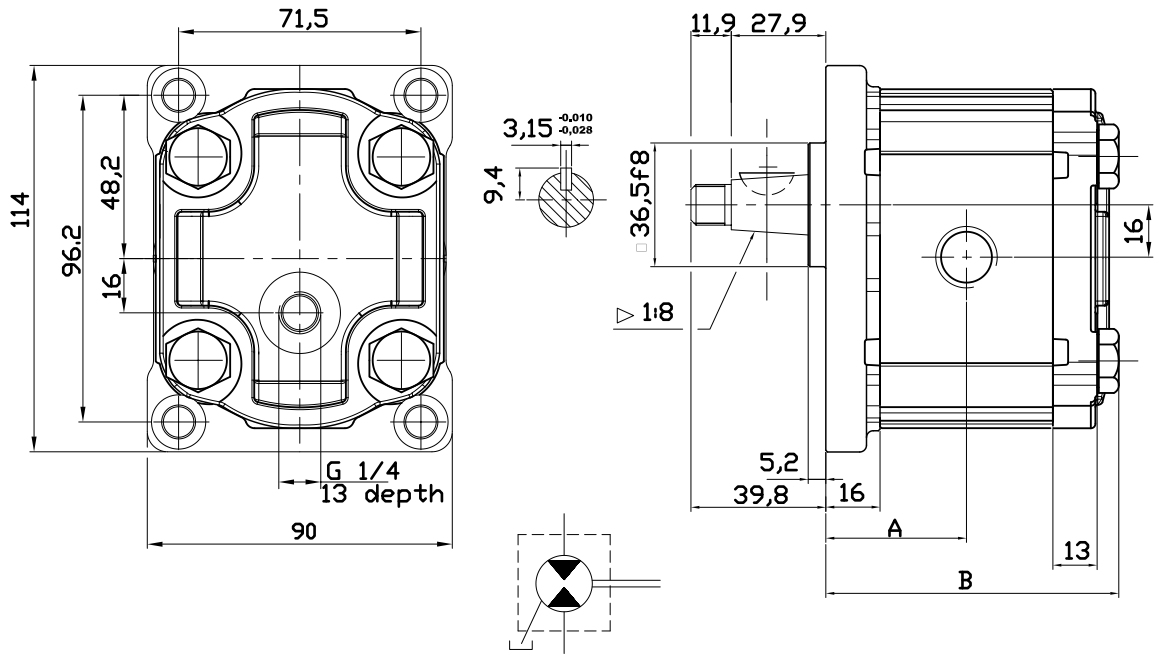
OT200 M 08 R / G 28 P2

- OT200 — Serie
- M — Motore
- 08 — Cilindrata (vedere tabella)
- R — Rotazione: R Reversibile
- G — Corpo con bocche filettate (GAS)
- 28 — Albero conico (1:8)
- P2 — Flangia standard Europeo

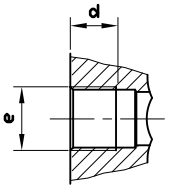
Consultare nostro ufficio tecnico.

GROUP2 REVERSIBLE MOTORS - EUROPEAN STANDARD

VERSION: G28 P2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	210	240	4000	40,00	83,50	G1/2	14	G1/2	14
OT 200 P06	06,20	220	255	3500	41,50	86,50	G1/2	14	G1/2	14
OT 200 P08	08,20	220	255	3500	43,00	89,50	G1/2	14	G1/2	14
OT 200 P11	11,20	220	255	3500	45,15	93,80	G1/2	14	G1/2	14
OT 200 P14	14,00	220	255	3000	47,15	97,80	G3/4	16	G3/4	16
OT 200 P16	16,00	220	255	3000	48,60	100,7	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	51,50	106,5	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	57,35	118,2	G3/4	16	G3/4	16
OT 200 P25	25,10	170	180	2500	59,25	122,0	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	61,35	126,2	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	62,75	129,0	G3/4	16	G3/4	16



EXAMPLE OF ORDERING CODE

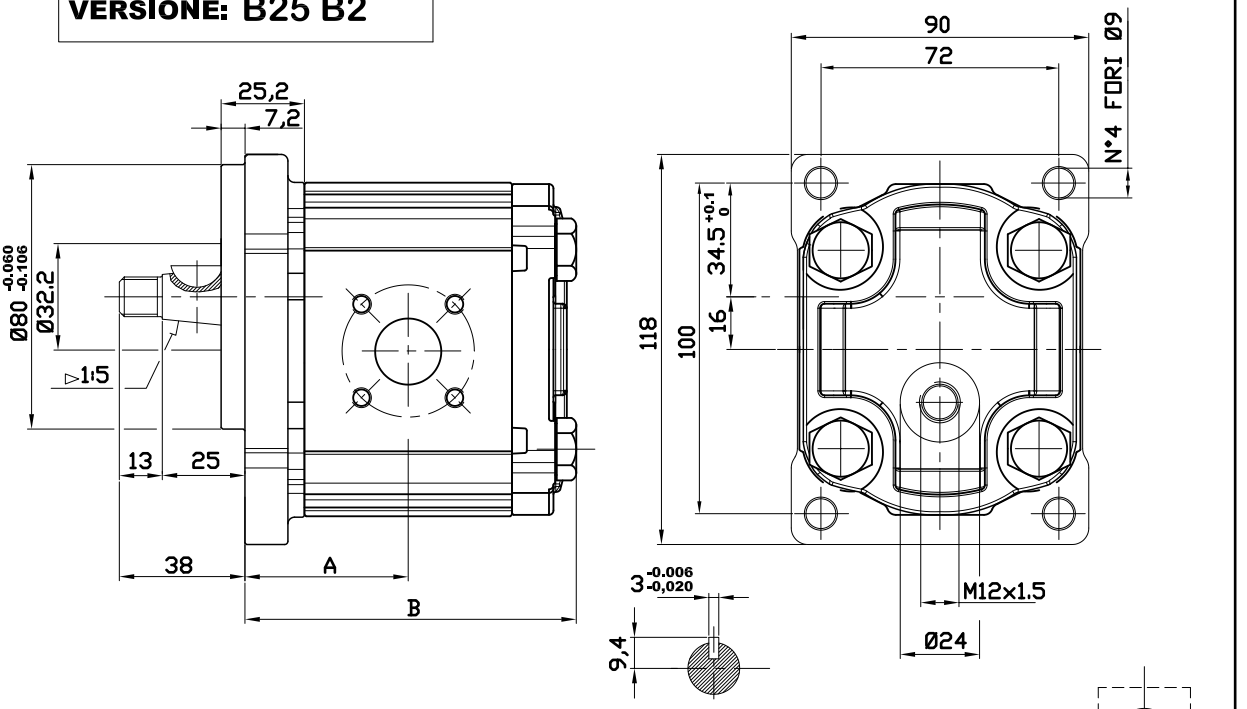
OT200 M 08 R / G 28 P2

- OT200 — Series
- M — Motor
- 08 — Displacement (see above table)
- R — Rotation: R Reversible
- G — Body with threated ports (BSP)
- 28 — Taper shaft (1:8)
- P2 — European standard flange

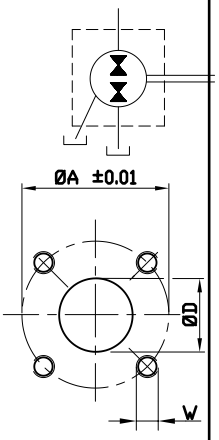
Consult our technical department.

MOTORI REVERSIBILI GRUPPO 2 - STANDARD TEDESCO

VERSIONE: B25 B2



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione A (mm)	Dimensione B (mm)	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
OT 200 P04	04,10	210	240	4000	42,00	85,50	15	35	M6	15	35	M6
OT 200 P06	06,20	220	255	3500	43,50	88,50	15	35	M6	15	35	M6
OT 200 P08	08,20	220	255	3500	45,00	91,50	15	35	M6	15	35	M6
OT 200 P11	11,20	220	255	3500	47,15	95,80	15	35	M6	15	35	M6
OT 200 P14	14,00	220	255	3000	49,15	99,80	15	35	M6	15	35	M6
OT 200 P16	16,00	220	255	3000	50,60	102,7	20	40	M6	20	40	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	20	40	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	20	40	M6
OT 200 P25	25,10	170	180	2500	61,25	124,0	20	40	M6	20	40	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	20	40	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	20	40	M6



ESEMPIO DI CODICE D'ORDINAZIONE

OT200 M 08 R / B 25 B2

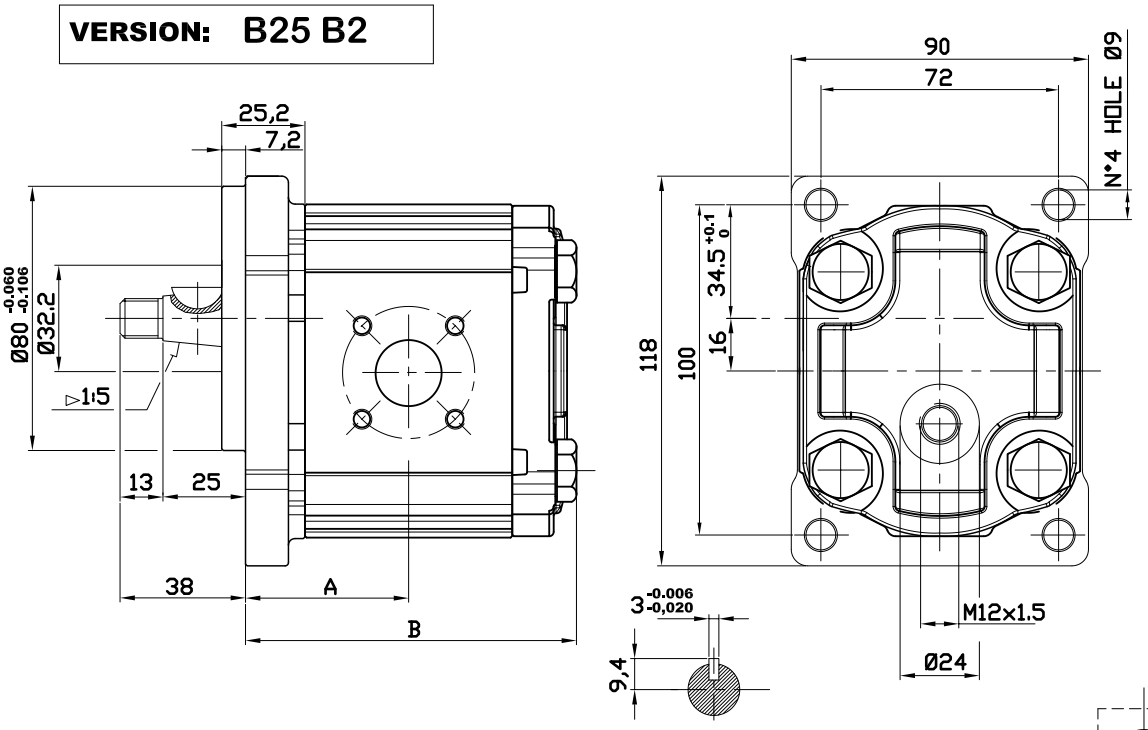
- OT200 — Serie
- M — Motore
- 08 — Cilindrata (vedere tabella)
- R / B — Corpo con bocche tipo BOSH
- 25 — Albero conico (1:5)
- B2 — Flangia standard Tedesco

Rotazione	
R	Reversibile

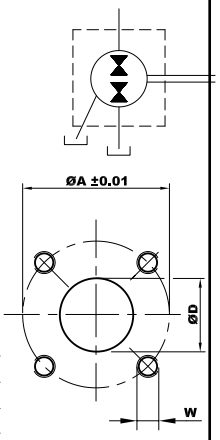
Consult our technical department.

GROUP2 REVERSIBLE MOTORS - GERMAN STANDARD

VERSION: B25 B2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A (mm)	Dimension B (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	210	240	4000	42,00	85,50	15	35	M6	15	35	M6
OT 200 P06	06,20	220	255	3500	43,50	88,50	15	35	M6	15	35	M6
OT 200 P08	08,20	220	255	3500	45,00	91,50	15	35	M6	15	35	M6
OT 200 P11	11,20	220	255	3500	47,15	95,80	15	35	M6	15	35	M6
OT 200 P14	14,00	220	255	3000	49,15	99,80	15	35	M6	15	35	M6
OT 200 P16	16,00	220	255	3000	50,60	102,7	20	40	M6	20	40	M6
OT 200 P20	20,00	200	240	3000	53,50	108,5	20	40	M6	20	40	M6
OT 200 P22	22,50	170	210	2500	59,35	120,2	20	40	M6	20	40	M6
OT 200 P25	25,10	170	180	2500	61,25	124,0	20	40	M6	20	40	M6
OT 200 P28	28,00	140	180	2500	63,35	128,2	20	40	M6	20	40	M6
OT 200 P30	30,00	130	170	2000	64,75	131,0	20	40	M6	20	40	M6



EXAMPLE OF ORDERING CODE

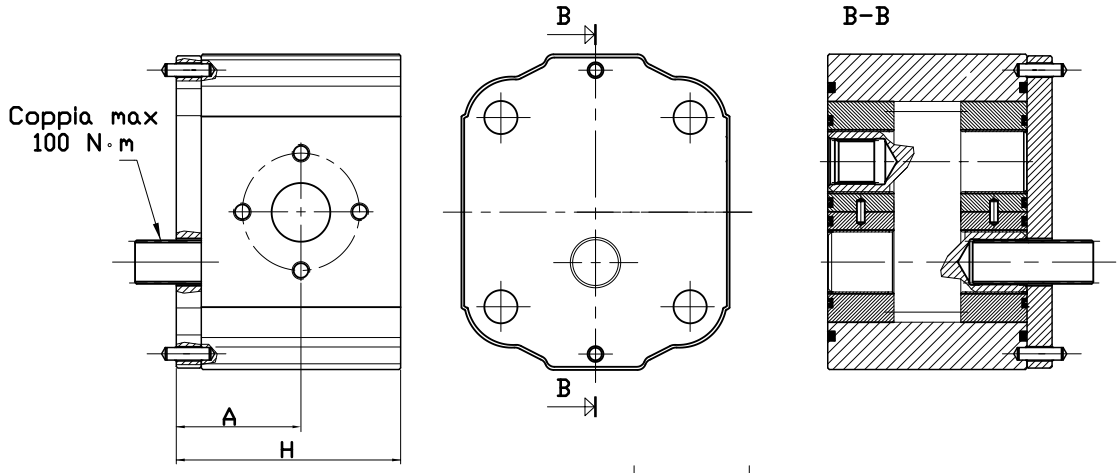
OT200 M 08 R / B 25 B2

- OT200 — Series
- M — Motor
- 08 — Displacement (see above table)
- R — Rotation: R Reversibile
- B — Body for German flanges
- 25 — Taper shaft (1:5)
- B2 — German standard flange

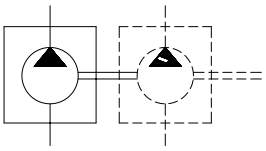
Consult our technical department.

POMPE GRUPPO 2 INTERMEDIE PER TANDEM

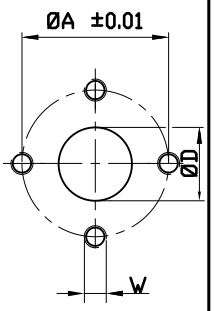
VERSIONE: P X X INTERMEDIA



NOTE : Coppia di serraggio viti 48 N◦m



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione H	Dimensione A	Bocca di aspirazione ØD	Bocca di aspirazione ØA	Bocca di aspirazione W	Bocca di mandata ØD	Bocca di mandata ØA	Bocca di mandata W
					(mm)							
OT 200 P04	04,10	250	300	4000	55.50	31.50	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	58.50	33.00	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	61.50	34.50	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	65.80	36.65	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	69.80	36.65	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	72.70	40.10	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	78.50	43.00	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	90.20	48.85	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	94.00	50.75	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	98.20	52.85	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	101.00	54.25	20	40	M8	13	30	M6



ESEMPIO DI CODICE D'ORDINAZIONE

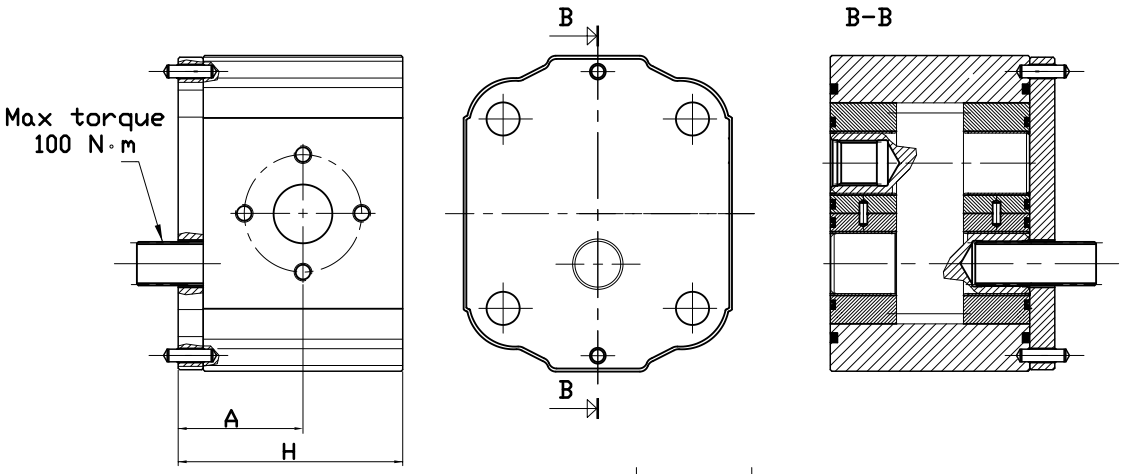
OT200 P 08 S / P X X INTERMEDIA

- Serie
- Pompa
- Cilindrata (vedere tabella)

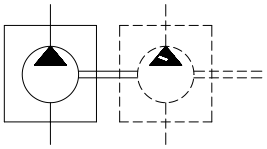
Rotazione	
S	Sinistra
D	Destra

INTERMEDIATE GROUP 2 PUMPS FOR TANDEM UNITS

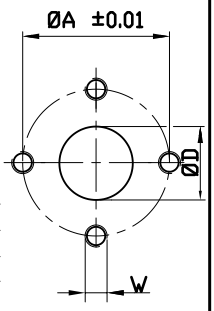
VERSION : P X X INTERMEDIATE



NOTE : Screw tightening torque 48 N·m



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension H (mm)	Dimension A (mm)	Inlet port ØD	Inlet port ØA	Inlet port W	Outlet port ØD	Outlet port ØA	Outlet port W
OT 200 P04	04,10	250	300	4000	55.50	31.50	13	30	M6	13	30	M6
OT 200 P06	06,20	250	300	3500	58.50	33.00	13	30	M6	13	30	M6
OT 200 P08	08,20	250	300	3500	61.50	34.50	13	30	M6	13	30	M6
OT 200 P11	11,20	250	300	3500	65.80	36.65	13	30	M6	13	30	M6
OT 200 P14	14,00	240	300	3000	69.80	36.65	20	40	M8	13	30	M6
OT 200 P16	16,00	240	300	3000	72.70	40.10	20	40	M8	13	30	M6
OT 200 P20	20,00	200	240	3000	78.50	43.00	20	40	M8	13	30	M6
OT 200 P22	22,50	170	210	2500	90.20	48.85	20	40	M8	13	30	M6
OT 200 P25	25,10	170	210	2500	94.00	50.75	20	40	M8	13	30	M6
OT 200 P28	28,00	140	180	2500	98.20	52.85	20	40	M8	13	30	M6
OT 200 P30	30,00	130	170	2000	101.00	54.25	20	40	M8	13	30	M6



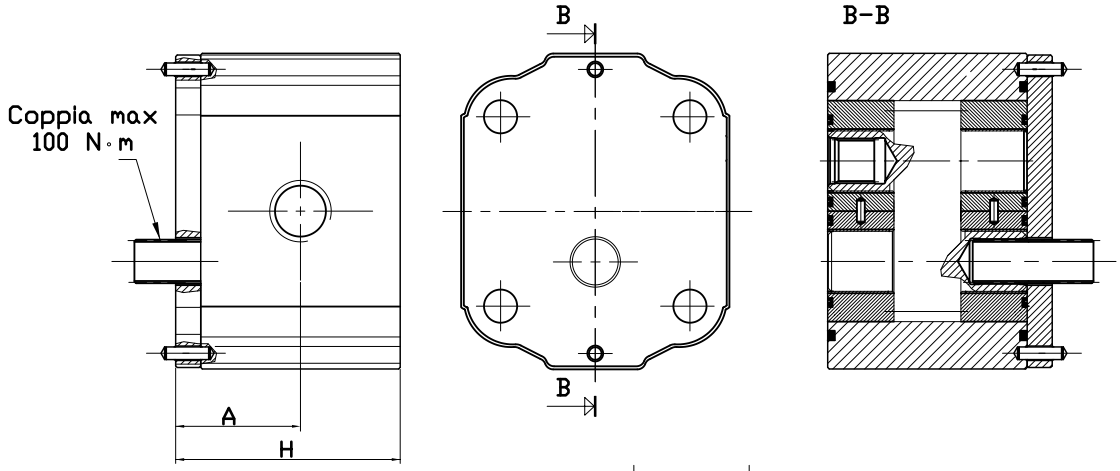
EXAMPLE OF ORDERING CODE

OT200 P 08 S / P X X INTERMEDIATE

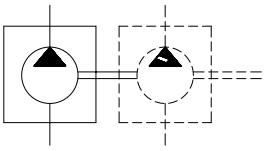
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation: S Anti-clockwise; D Clockwise
- P — Body for European flanges
- X X — INTERMEDIATE

POMPE GRUPPO 2 INTERMEDIE PER TANDEM

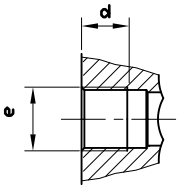
VERSIONE: G X X INTERMEDIA



NOTE : Coppia di serraggio viti 48 N◦m



Tipo	Cilindrata (cc/giro)	Pressione massima continua P1 (bar)	Pressione di punta P3 (bar)	Velocita' massima (giri/min.)	Dimensione H (mm)	Dimensione A (mm)	Bocca di aspirazione e	Bocca di aspirazione d	Bocca di mandata e	Bocca di mandata d
OT 200 P04	04,10	250	300	4000	55.50	31.50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	58.50	33.00	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	61.50	34.50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	65.80	36.65	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	69.80	36.65	G3/4	16	G3/4	16
OT 200 P16	16,00	240	300	3000	72.70	40.10	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	78.50	43.00	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	90.20	48.85	G3/4	16	G3/4	16
OT 200 P25	25,10	170	210	2500	94.00	50.75	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	98.20	52.85	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	101.00	54.25	G3/4	16	G3/4	16



ESEMPIO DI CODICE D'ORDINAZIONE

OT200 P 08 S / G X X INTERMEDIA

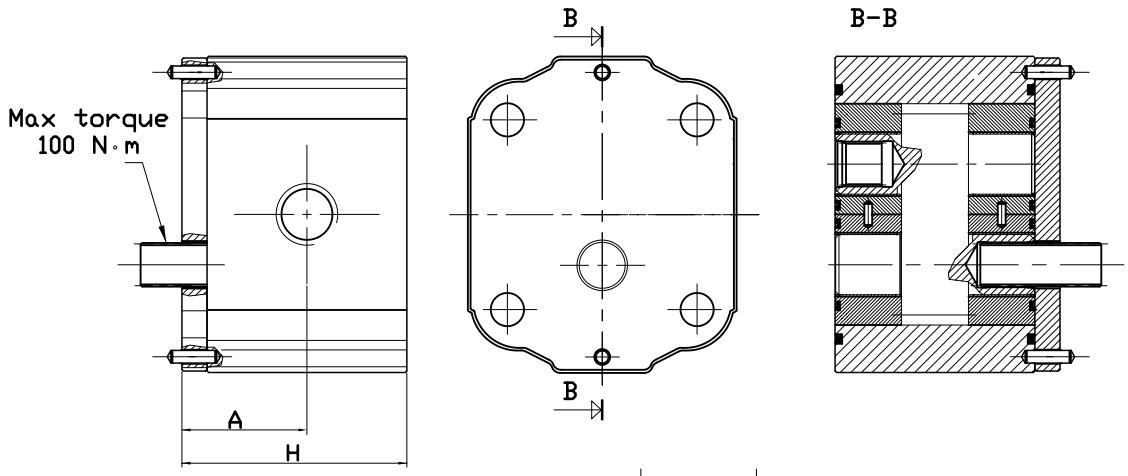
- OT200 — Serie
- P — Pompa
- 08 — Cilindrata (vedere tabella)
- S — Rotazione

Rotazione	
S	Sinistra
D	Destra

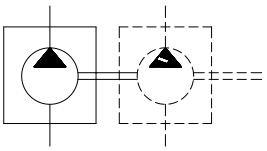
- G — Corpo con bocche filettate BSP

INTERMEDIATE GROUP 2 PUMPS FOR TANDEM UNITS

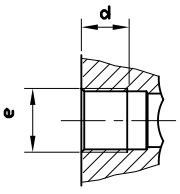
VERSION : G X X INTERMEDIATE



NOTE : Screw tightening torque 48 N·m



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension H (mm)	Dimension A (mm)	Inlet port e	Inlet port d	Outlet port e	Outlet port d
OT 200 P04	04,10	250	300	4000	55.50	31.50	G1/2	14	G1/2	14
OT 200 P06	06,20	250	300	3500	58.50	33.00	G1/2	14	G1/2	14
OT 200 P08	08,20	250	300	3500	61.50	34.50	G1/2	14	G1/2	14
OT 200 P11	11,20	250	300	3500	65.80	36.65	G1/2	14	G1/2	14
OT 200 P14	14,00	240	300	3000	69.80	36.65	G3/4	16	G3/4	16
OT 200 P16	16,00	240	300	3000	72.70	40.10	G3/4	16	G3/4	16
OT 200 P20	20,00	200	240	3000	78.50	43.00	G3/4	16	G3/4	16
OT 200 P22	22,50	170	210	2500	90.20	48.85	G3/4	16	G3/4	16
OT 200 P25	25,10	170	210	2500	94.00	50.75	G3/4	16	G3/4	16
OT 200 P28	28,00	140	180	2500	98.20	52.85	G3/4	16	G3/4	16
OT 200 P30	30,00	130	170	2000	101.00	54.25	G3/4	16	G3/4	16



EXAMPLE OF ORDERING CODE

OT200 P 08 S / G X X INTERMEDIATE

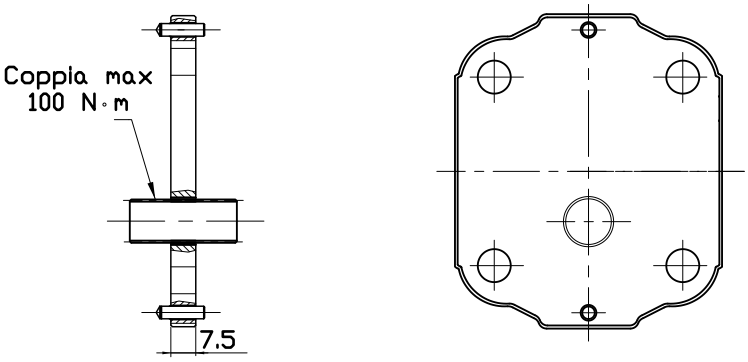
- OT200 — Series
- P — Pump
- 08 — Displacement (see above table)
- S — Rotation

S	Anti-clockwise
D	Clockwise

- G — Body with threated ports (BSP)
- X X — INTERMEDIATE

COMPONENTI PER POMPE GRUPPO 2 TANDEM

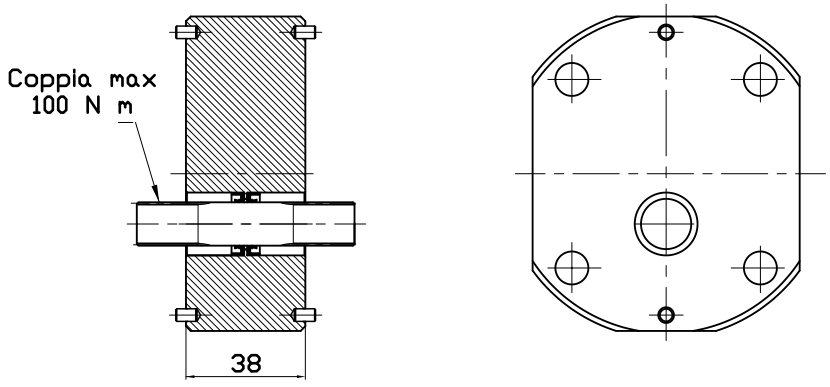
KIT MONTAGGIO OT200+OT200



NOTE : Coppia di serraggio viti 48 N◦m

CODICE D'ORDINAZIONE: PS20370001

KIT MONTAGGIO OT200+OT200 PER STADI SEPARATI

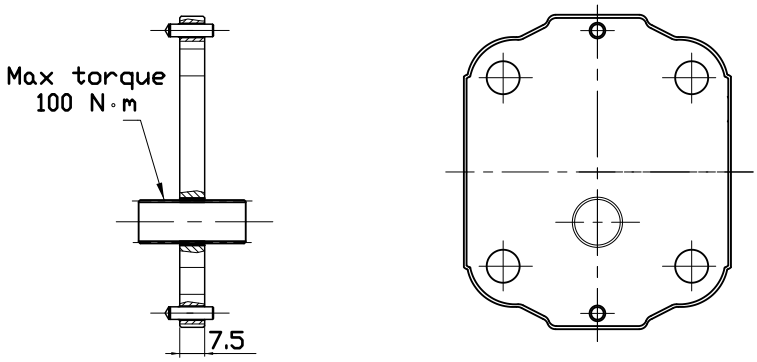


NOTE : Coppia di serraggio viti 48 N m

CODICE D'ORDINAZIONE: PS20370050

COMPONENTS FOR GROUP2 TANDEM PUMPS

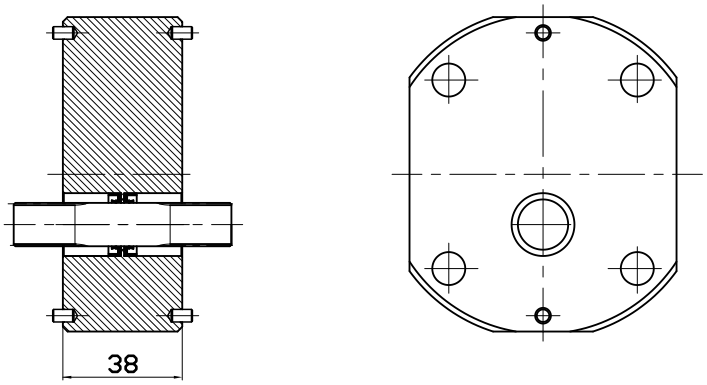
OT 200+OT200 MOUNTING KIT



NOTE : Screw tightening torque 48 N◦m

ORDERING CODE: PS20370001

OT200+OT200 MOUNTING KIT FOR SEPARATE UNITS

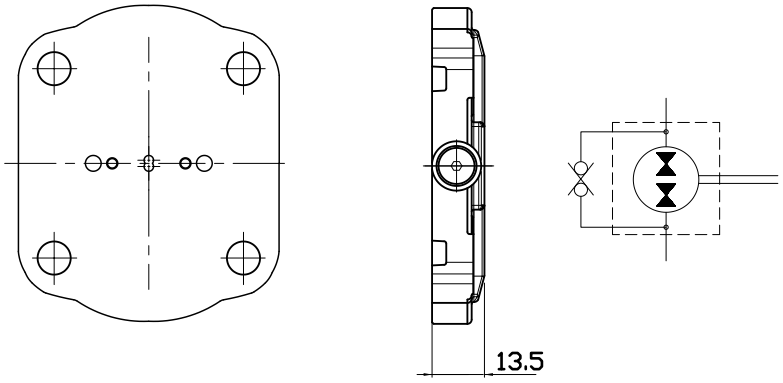


NOTE : Screw tightening torque 48 N◦m

ORDERING CODE: PS20370050

COPERCHI POSTERIORI PER POMPE E MOTORI GRUPPO 2

COPERCHIO PER POMPE E MOTORI CON DRENAGGIO INTERNO



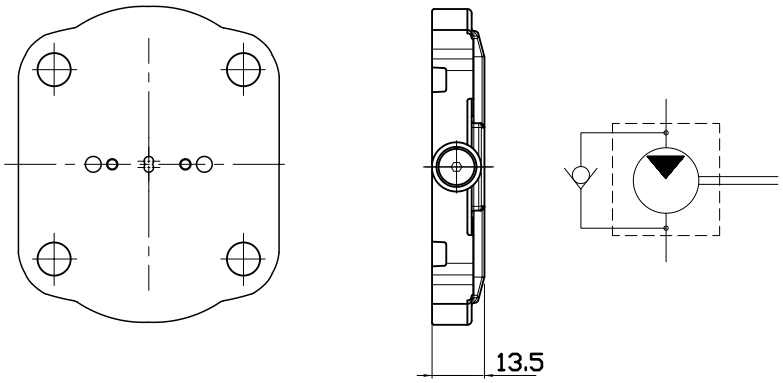
NOTE : Massima contropressione in scarico 5 - 7 [bar]

ESEMPIO DI CODICE D'ORDINAZIONE

OT200 M 08 R / G 28 P2 - DI

- 08 → Vedi tabelle tecniche di corrispondenti pompe o motori reversibili
- DI → Corperchio per DRENAGGIO INTERNO

COPERCHIO CON VALVOLA ANTICAVITAZIONE



NOTE : Massima contropressione in scarico 5 - 7 [bar]

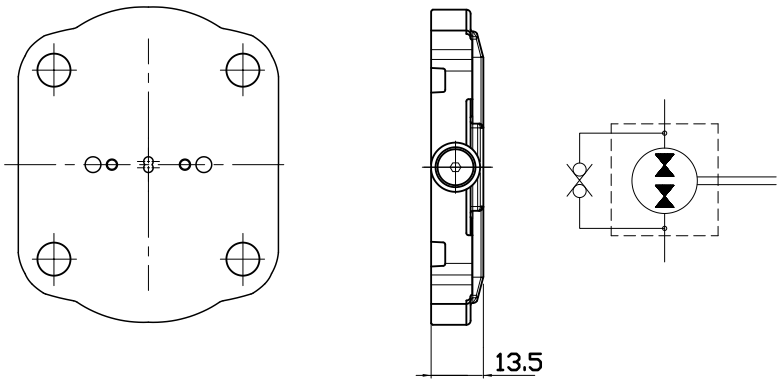
ESEMPIO DI CODICE D'ORDINAZIONE

OT200 M 08 D / G 28 P2 - VA

- 08 → Vedi tabelle tecniche di corrispondenti motori UNIDIREZIONALI
- VA → Corperchio con VALVOLA ANTICAVITAZIONE

REAR COVERS FOR GROUP2 PUMPS AND MOTORS

INTERNAL DRAIN REAR COVER FOR PUMPS AND MOTORS



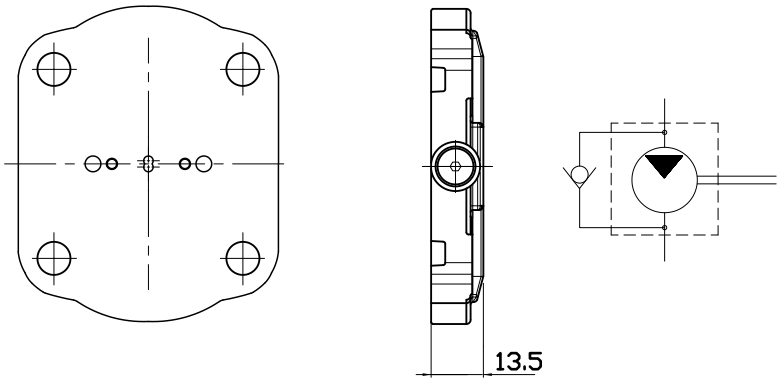
NOTE : Max back pressure 5 - 7 [bar]

EXAMPLE OF ORDERING CODE

OT200 M 08 R / G 28 P2 - DI

- See corrispondent reversible motors and pumps tables
- Cover for INTERNAL DRAIN

REAR COVER WITH ANTICAVITATION VALVE



NOTE : Max back pressure 5 - 7 [bar]

EXAMPLE OF ORDERING CODE

OT200 M 08 D / G 28 P2 - VA

- See corrispondent UNIDIRECTIONAL motor tables
- Rear cover with ANTICAVITION VALVE