

GROUP 2 PUMPS

DRIVE SHAFTS

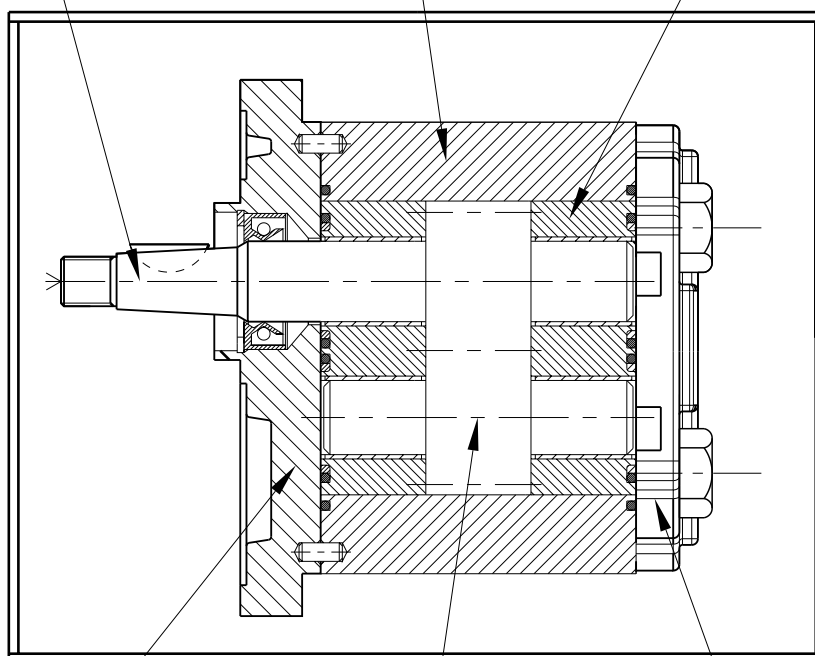
Choice of several standard drive shafts

GEAR HOUSING

Extruded in aluminium alloy

BEARINGS

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



MOUNTING FLANGES

Choice of several mounting flanges in cast iron

GEARS

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

COVER

Made in cast iron material and available with suction port

GROUP 2 PUMPS

CONSTRUCTIVE CHARACTERISTICS:

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

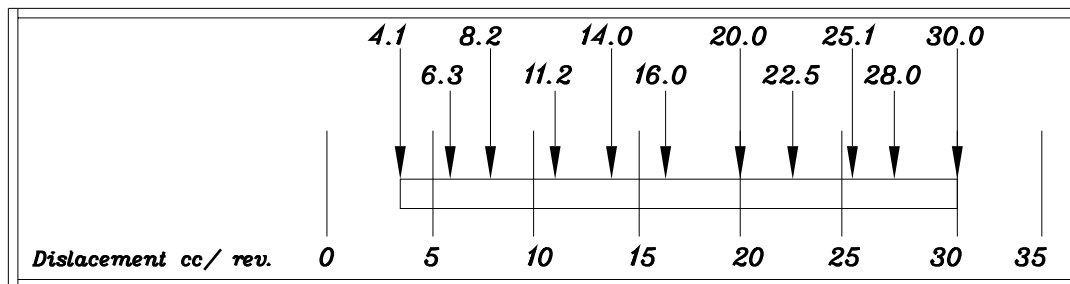
Maximum speed up to 4,000 rpm.

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 couplngs, It is suggested to assure a costant lubrication through grease or similar products.

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:

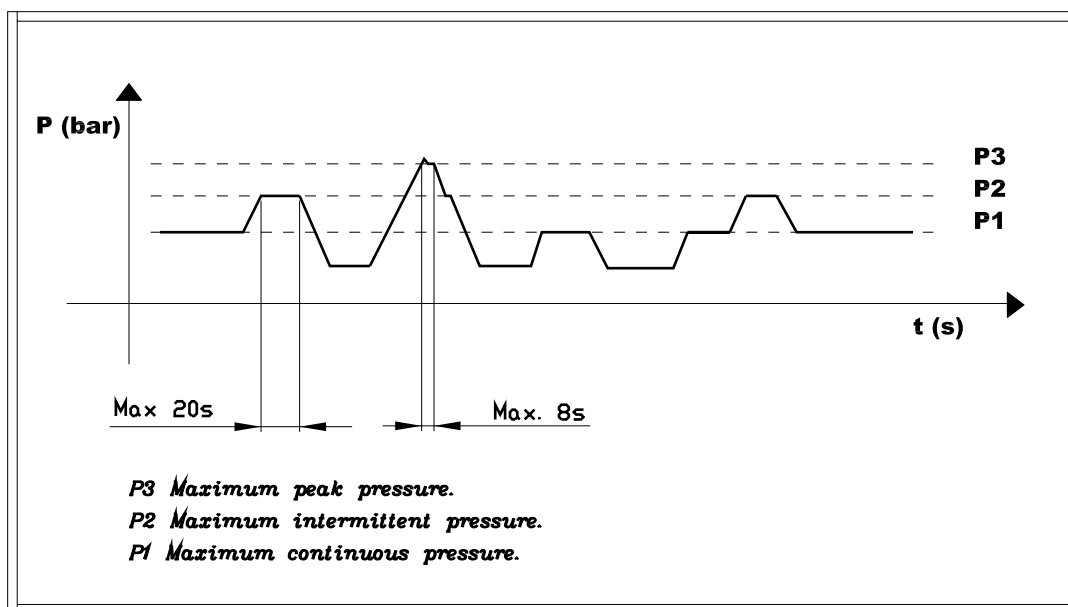
Min. 0.75 bar (absolute)

MAX 2,0 bar (absolute)

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

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

In the following table are described the admitted pressures:

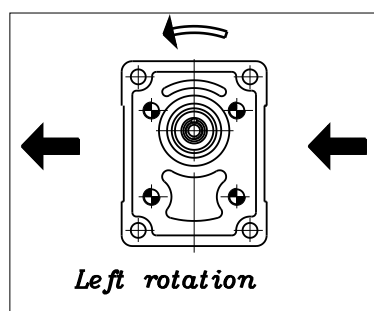
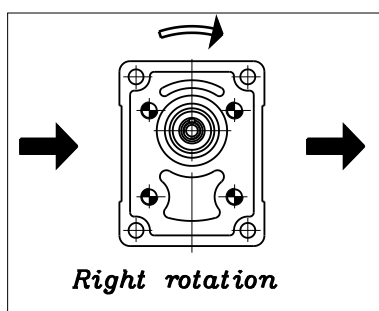


The standard working speeds (minimum and maximum) are the following:

Min. = 400 rpm

Max = (See following table)

DIRECTION OF ROTATION LOOKING AT THE SHAFT:



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

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

Here below the technical parameters to respect:

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

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

HYDRAULIC FLUIDS

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

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

Here below the technical parameters to respect:

<i>MINIMUM VISCOSITY</i>	10 mm²/s
<i>MAXIMUM VISCOSITY</i>	100 mm²/s
<i>SUGGESTED VISCOSITY</i>	20 mm²/s / 100 mm /s
<i>SUGGESTED TEMPERATURE</i>	30°C / 50°C
<i>WORKING TEMPERATURE</i>	-15°C / +80°C

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

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

INSTALLATION INSTRUCTION

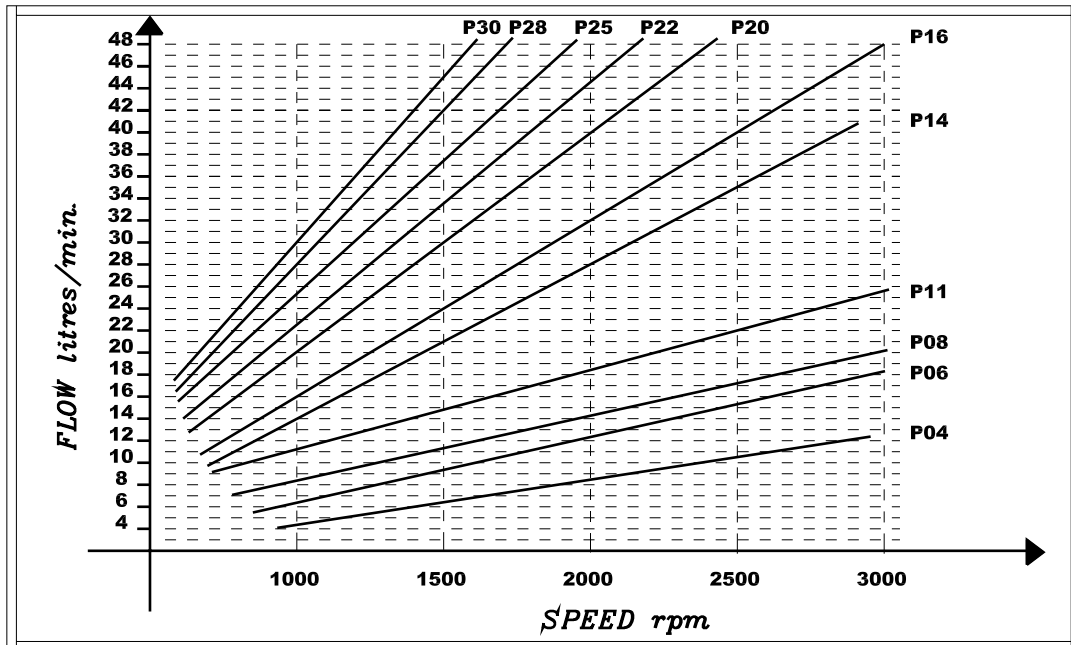
During the first starting it is recommended:

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

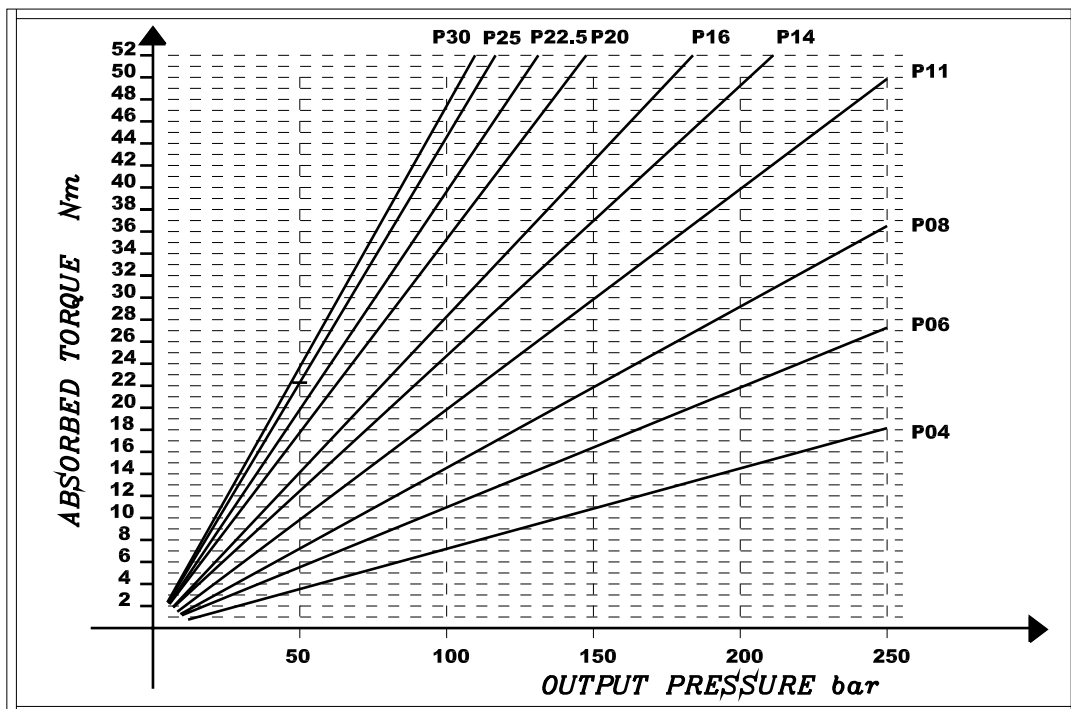
It is important to specify an oil tank at least twice the flow from the pump.

GROUP 2 PUMPS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

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

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

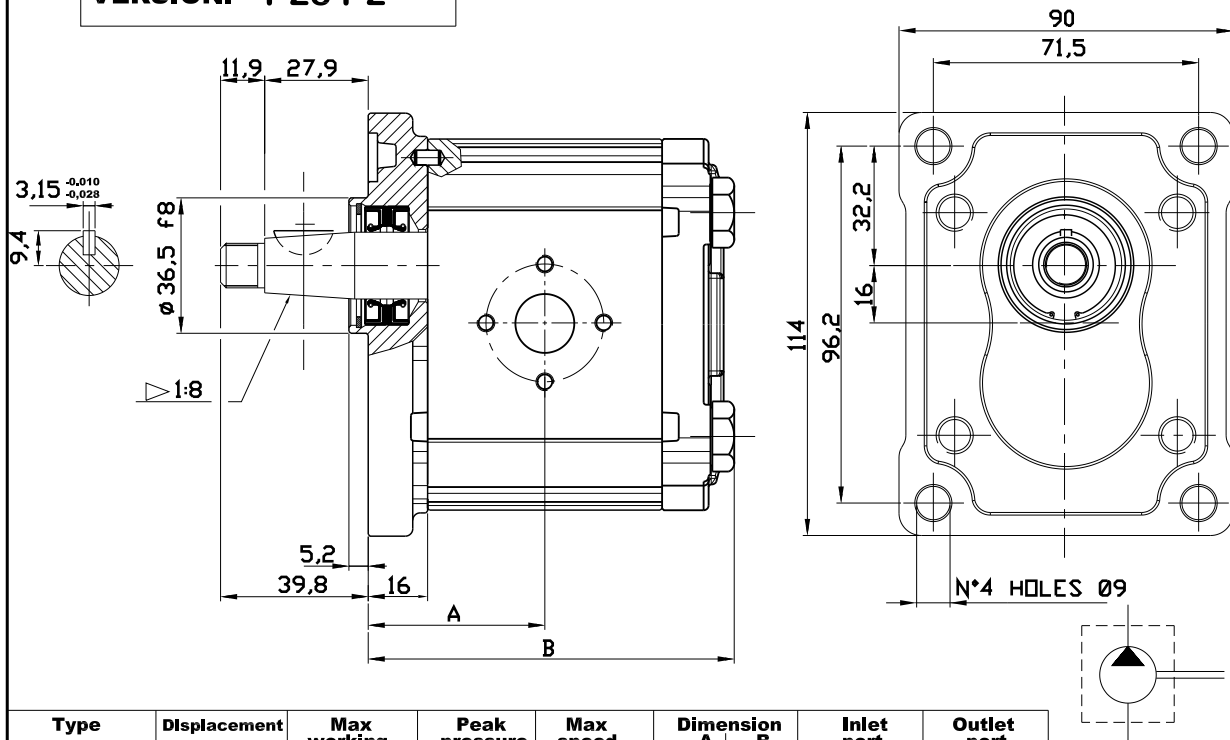
$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad l/min$$

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

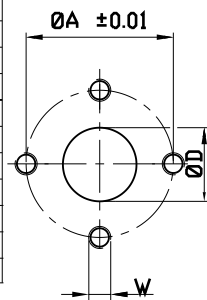
$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad kW$$

GROUP 2 PUMPS- EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)							
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



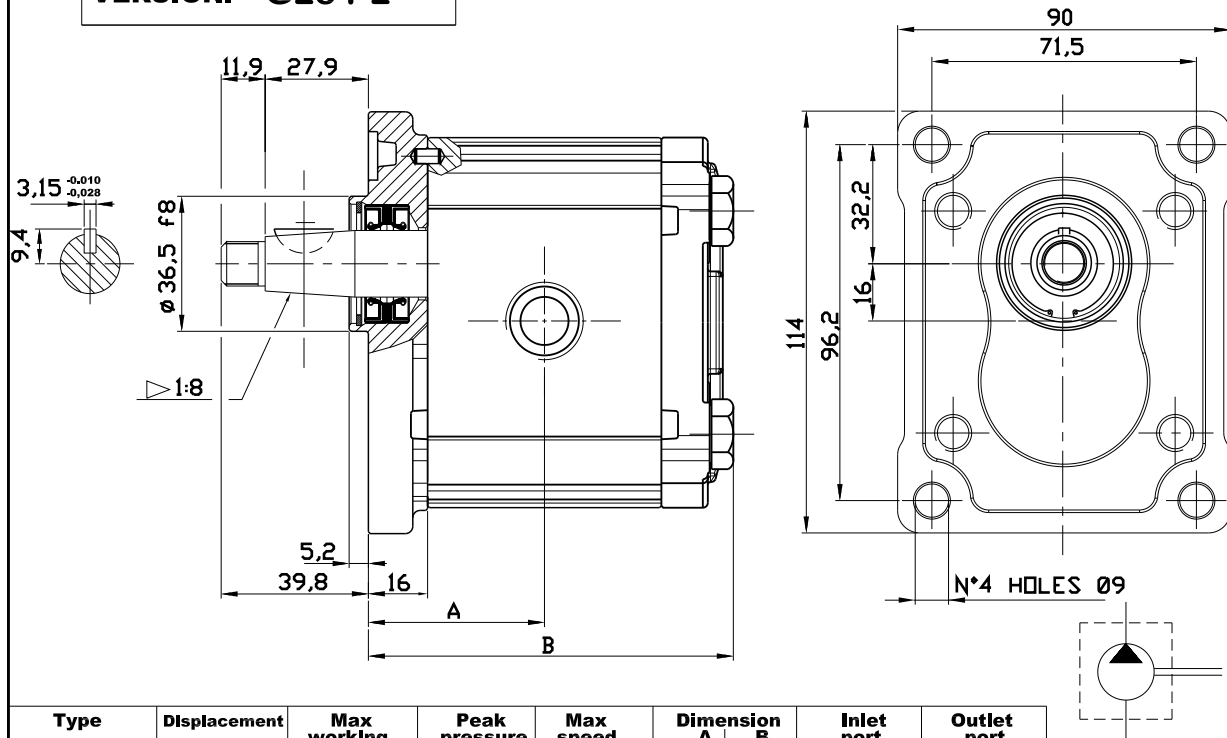
EXAMPLE OF ORDERING CODE

OT200 P 08 S / P 28 P2

Series	P	08	S / P	28	P2	European standard flange
Pump						Taper shaft (1:8)
Displacement (see above table)						Body for European flanges
Rotation						
S	Anti-clockwise					
D	Clockwise					

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		Inlet port		Outlet port	
					A	B	e	d	e	d
					(mm)					
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

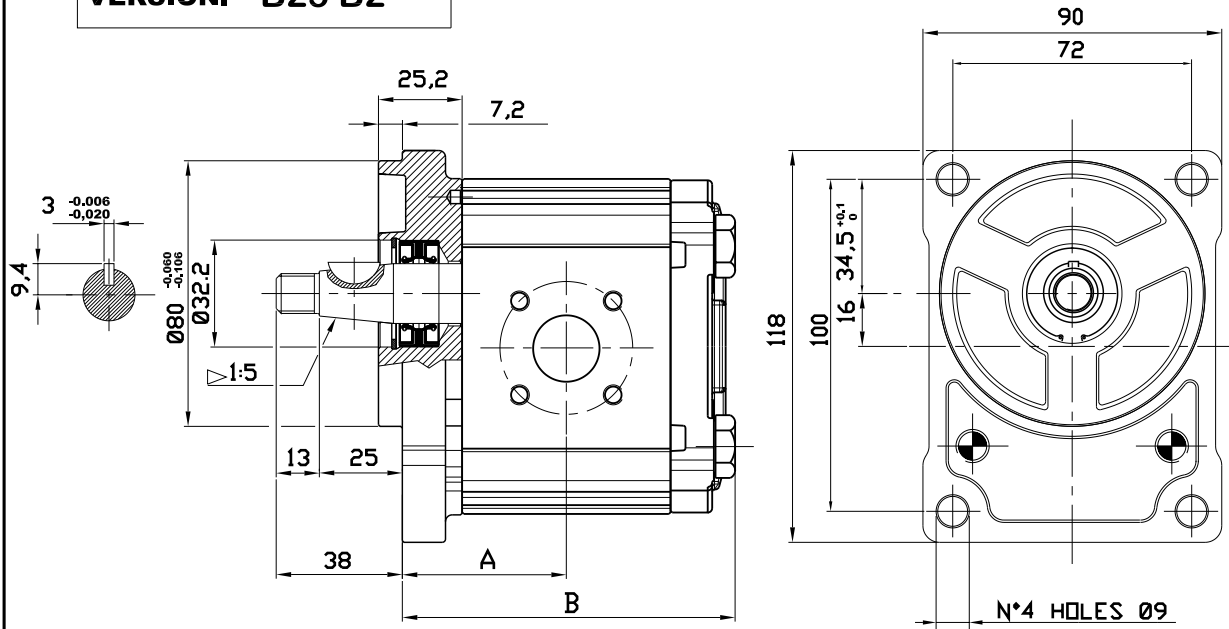
EXAMPLE OF ORDERING CODE

OT200 P 08 S / G 28 P2

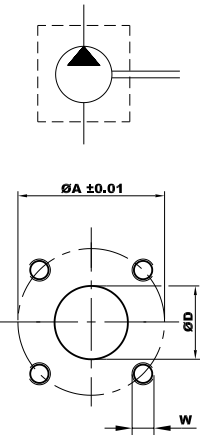
Series	OT200	Pump	P	Displacement (see above table)	08	Rotation	S	Body with threaded ports (BSP)	G	European standard flange	P2
						Anti-clockwise					
						Clockwise					

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 B		Inlet port		Outlet port			
					(mm)		ØD	ØA	W	ØD	ØA	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
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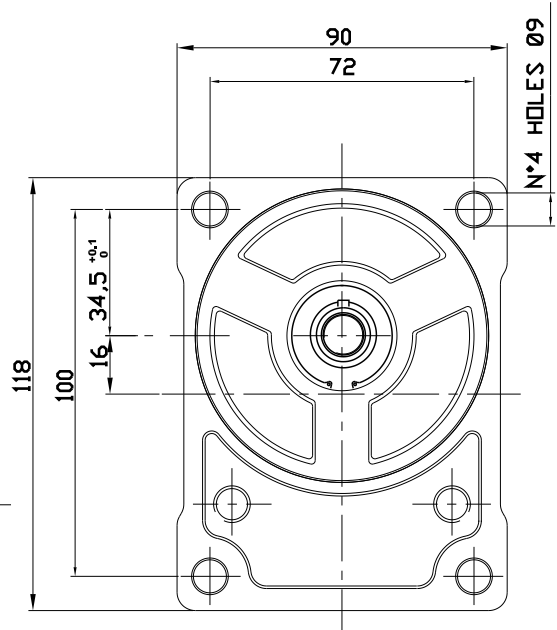
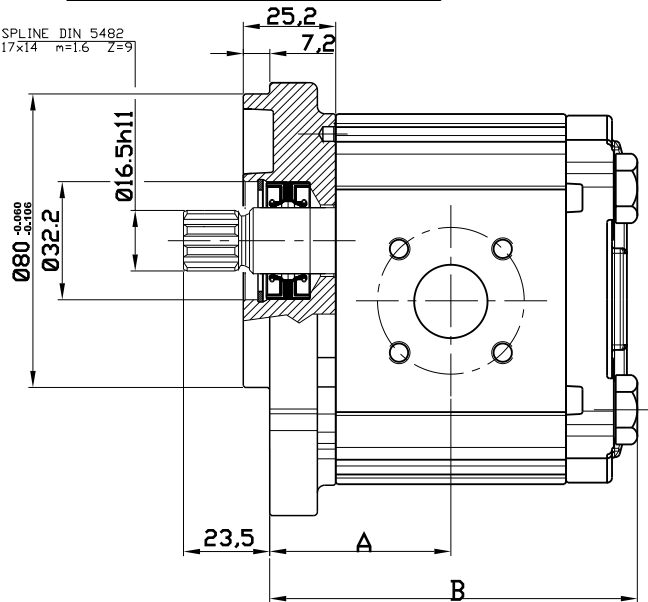
Diagram illustrating the connection between pump specifications and flange options:

- Series** and **Displacement (see above table)** are connected to **German standard flange**.
- Pump** is connected to **Taper shaft (1:5)**.
- Rotation** (S: Anti-clockwise, D: Clockwise) is connected to **Body for German flanges**.

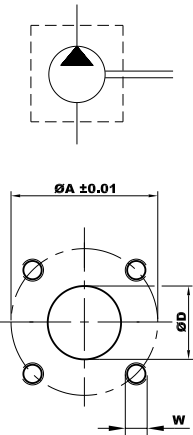
GROUP 2 PUMPS- GERMAN STANDARD

VERSION: B23 B2

SPLINE DIN 5482
17x14 m=1.6 Z=9



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A B		Inlet port			Outlet port		
					(mm)	(mm)	ØD	ØA	W	ØD	ØA	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



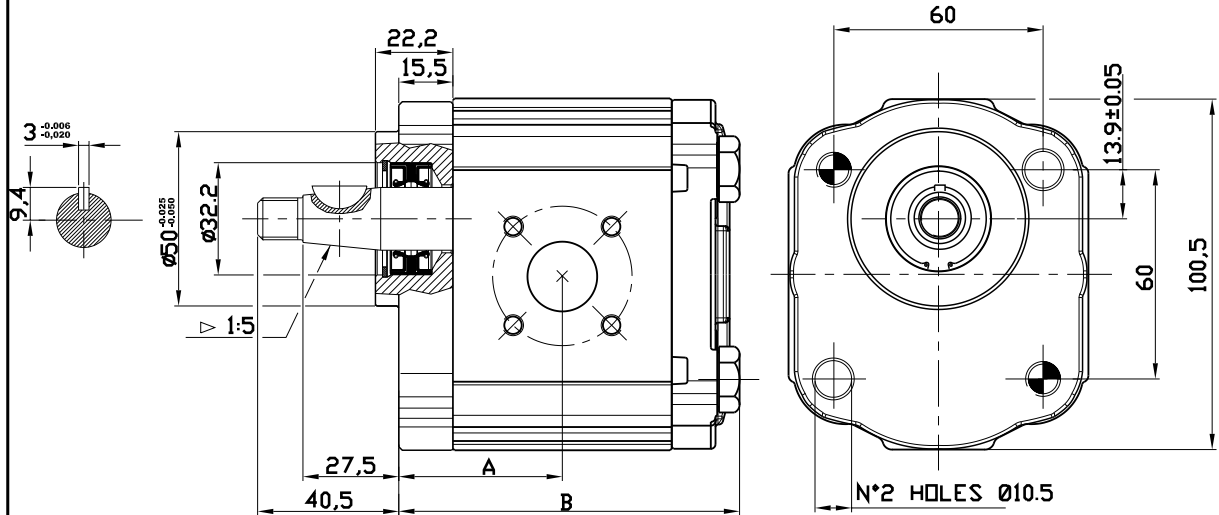
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 23 B2

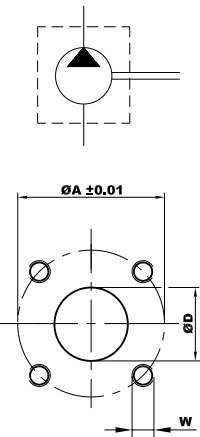
Series	OT200	Pump	P	Displacement (see above table)	08	Rotation	S	Body for German flanges	B	DIN 5482 B 17x14 shaft	23	German standard flange	B2
Rotation	S	Anti-clockwise	D	Clockwise									

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 B		Inlet port			Outlet port		
					(mm)		ØD	ØA	W	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



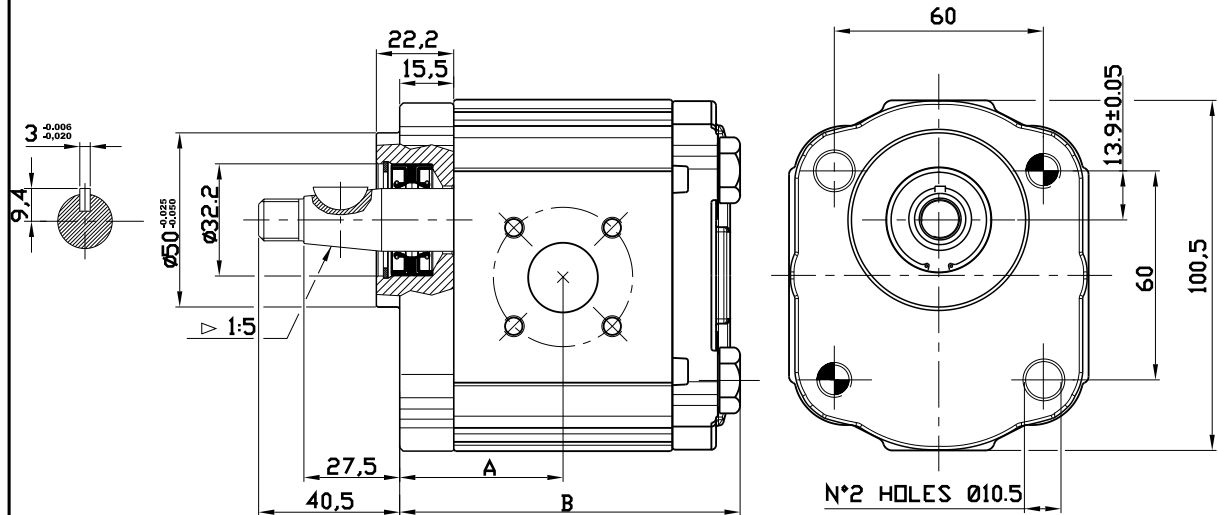
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 25 B4

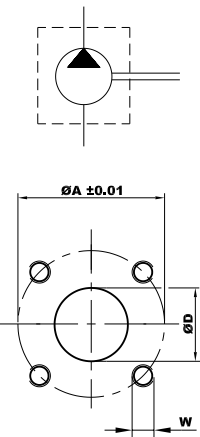
Series	OT200	Pump	P	Displacement (see above table)	08	Rotation	S	Body for German flanges	B	Taper shaft (1:5)	25	German standard flange	B4
Rotation	S	Anti-clockwise	D	Clockwise									

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 B		Inlet port		Outlet port			
					(mm)		ØD	ØA	W	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



EXAMPLE OF ORDERING CODE

OT200	P	08	S	/	B	25	B5
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The diagram illustrates the relationship between pump specifications and flange options. On the left, a vertical column lists specifications: 'Series', 'Pump', 'Displacement (see above table)', and a 'Rotation' table. On the right, a vertical column lists flange options: 'German standard flange', 'Taper shaft (1:5)', and 'Body for German flanges'. Lines connect 'Series' to 'German standard flange', 'Pump' to 'Taper shaft (1:5)', and 'Displacement (see above table)' to 'Body for German flanges'. The 'Rotation' table is connected to the 'German standard flange' line.

Rotation	
S	Anti-clockwise
D	Clockwise

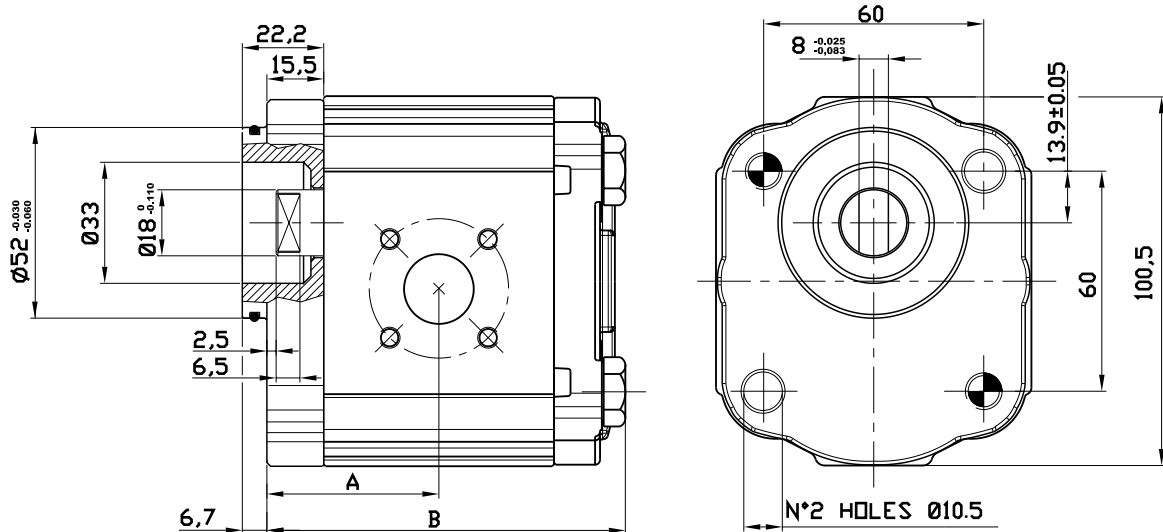
German standard flange

Taper shaft (1:5)

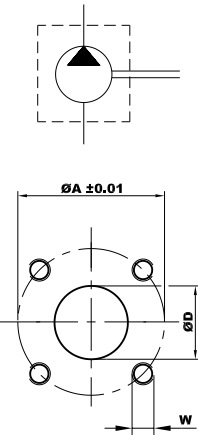
Body for German flanges

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 B		Inlet port			Outlet port		
					(mm)	(mm)	ØD	ØA	W	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



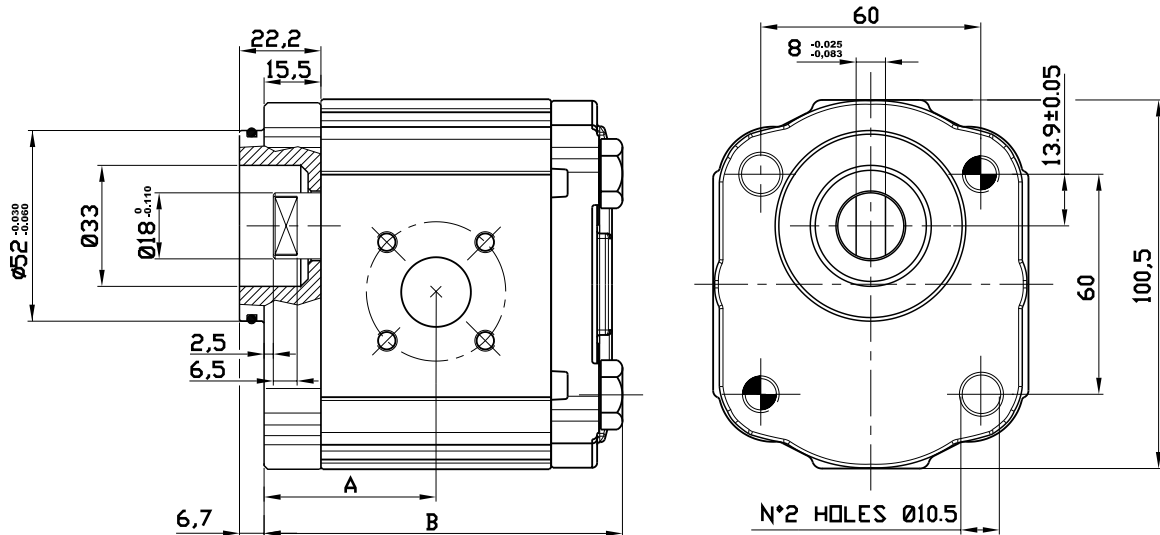
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 24 B6

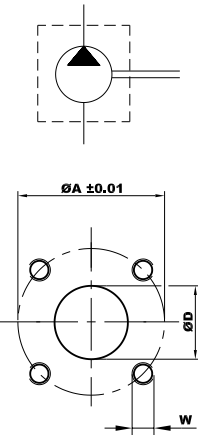
Series	OT200	Pump	P	Displacement (see above table)	08	Rotation	S	Body for German flanges	B	Tang shaft	24	German standard flange	B6
Rotation	S	Anti-clockwise	D	Clockwise									

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		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
					(mm)							
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



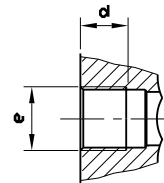
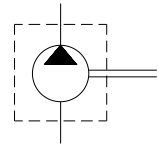
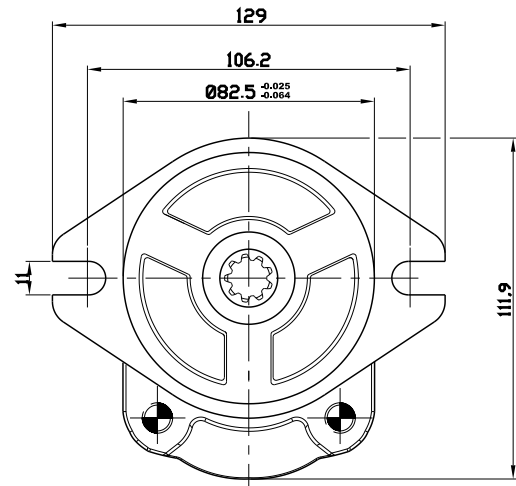
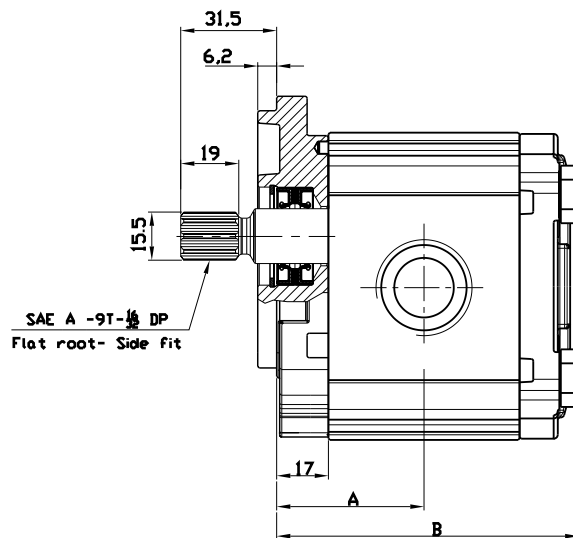
EXAMPLE OF ORDERING CODE

OT200 P 08 S / B 24 B7

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

GROUP 2 PUMPS- SAE "A" STANDARD

VERSION: G21 S2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port		Outlet port	
					A	B	e	d	e	d
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)					
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

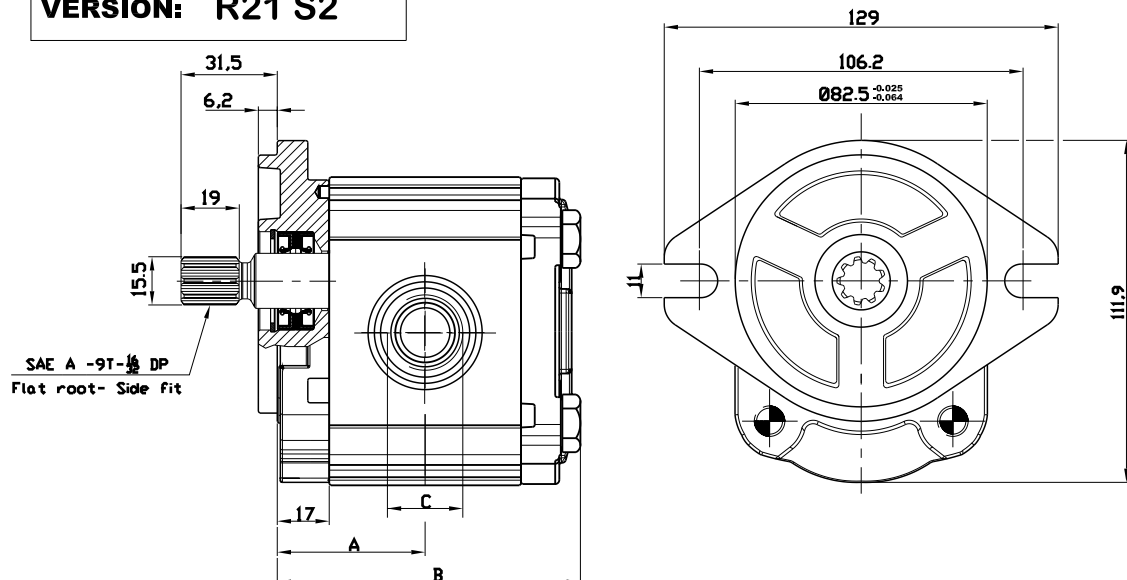
EXAMPLE OF ORDERING CODE

OT200 P 08 S / G 21 S2

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

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 B		Inlet port C	Outlet port C
					(mm)			
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

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

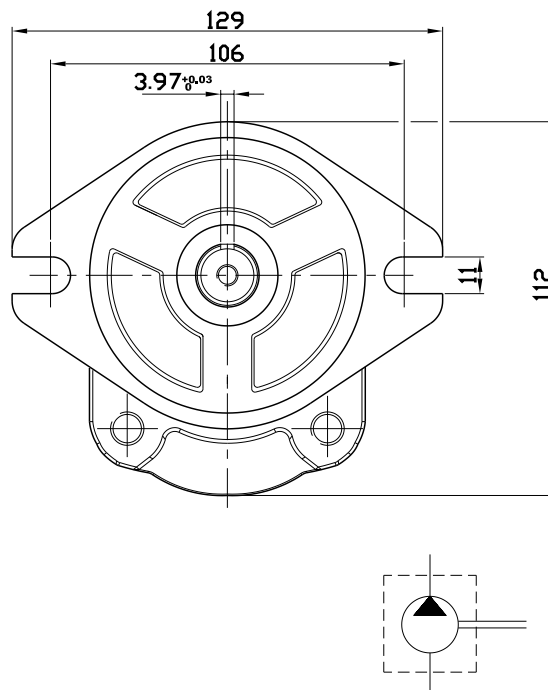
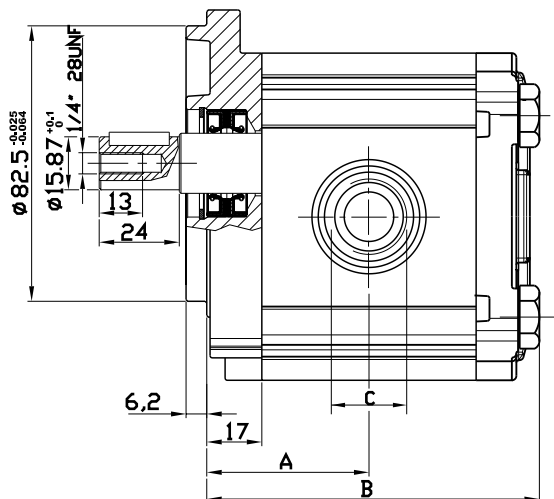
SAE- A flange

SAE A -9T-16/32 DP shaft

Body with O-ring boss ports

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		Inlet port C	Outlet port C
					A	B		
					(mm)			
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

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

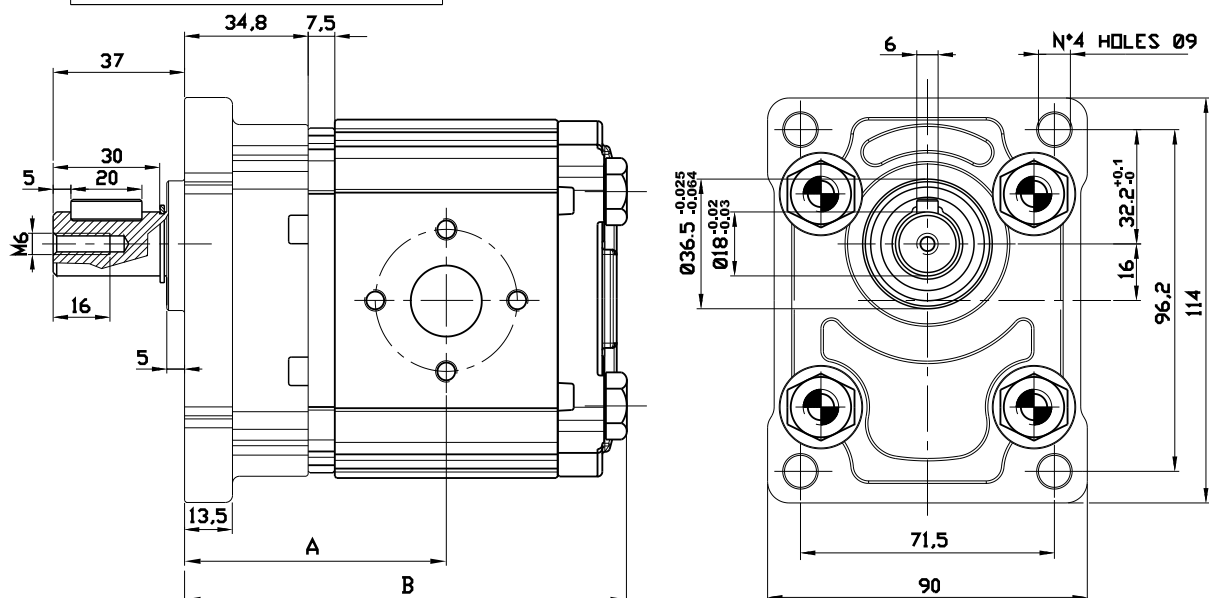
SAE- A flange

Straight shaft Ø15.87

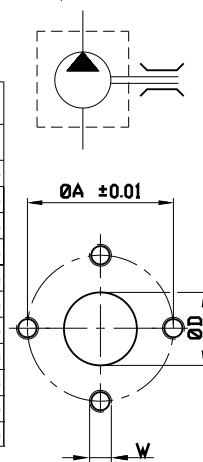
Body with O-ring boss ports

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 B		Inlet port			Outlet port		
					(mm)		ØD	ØA	W	ØD	ØA	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

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

European standard flange

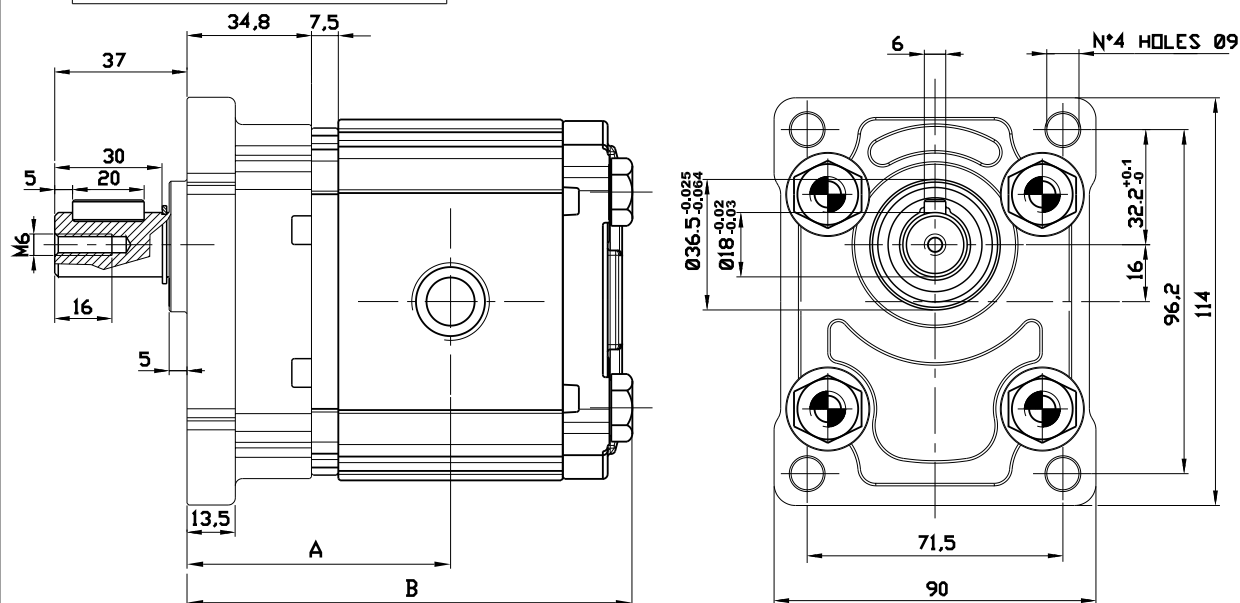
Straight shaft Ø18

Front bearing

Body for European flanges

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		Inlet port		Outlet port	
					A	B	e	d	e	d
					(mm)					
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

Series

Pump

Displacement (see above table)

Rotation

S

Anti-clockwise

D

Clockwise

European standard flange

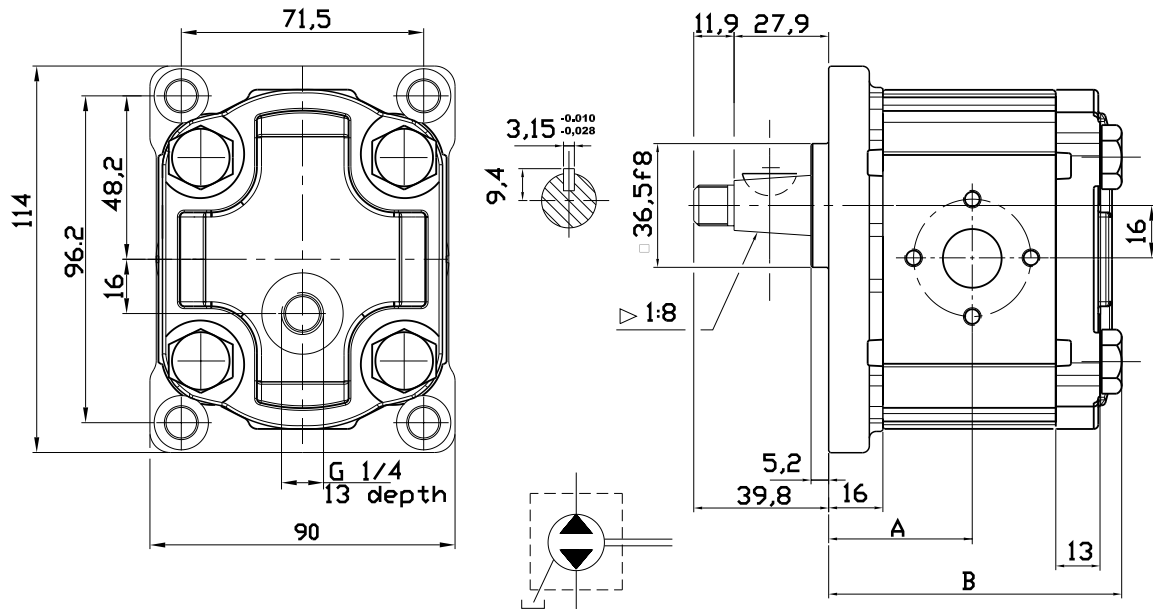
Straight shaft Ø18

Front bearing

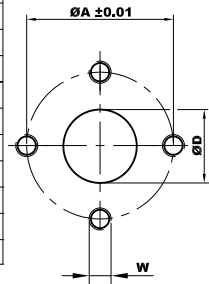
Body with threaded ports (BSP)

GROUP2 REVERSIBLE PUMPS - EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)							
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

Series

Pump

Displacement (see above table)

Rotation

R

Reversible

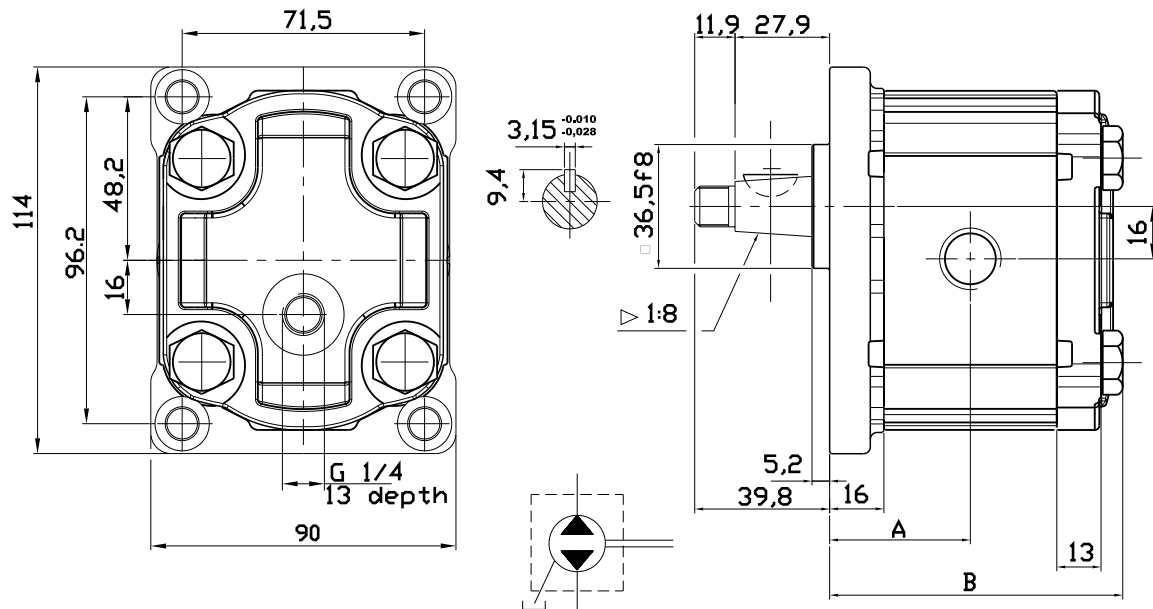
European standard flange

Taper shaft (1:8)

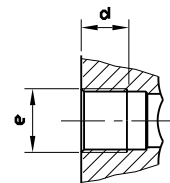
Body for European flanges

GROUP2 REVERSIBLE 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 B		Inlet port		Outlet port	
					(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



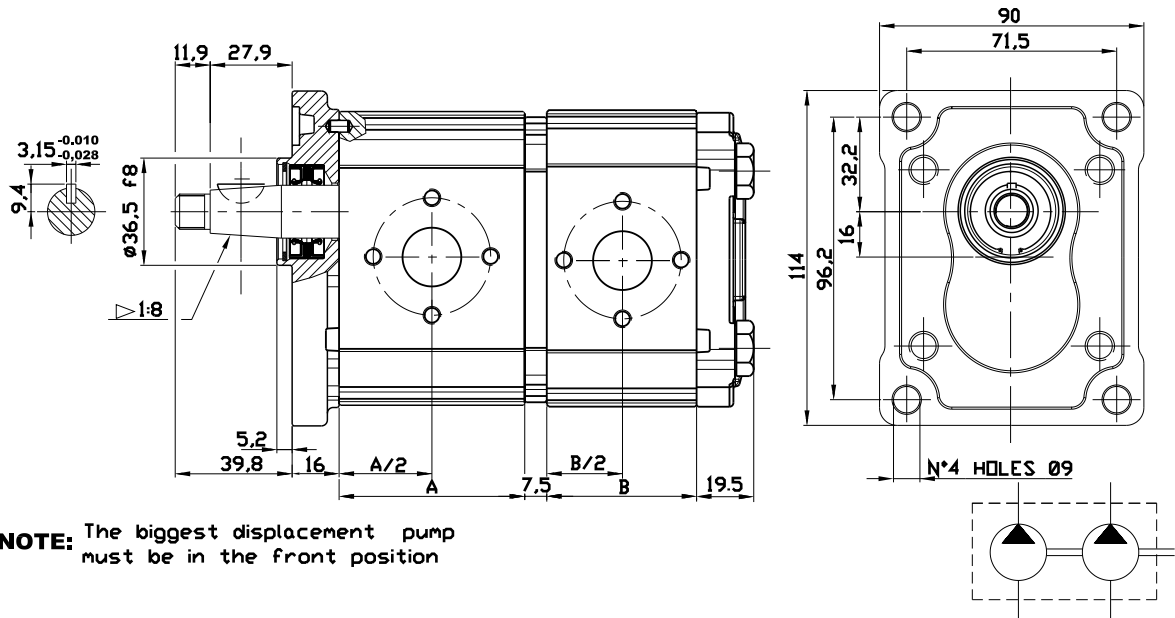
EXAMPLE OF ORDERING CODE

OT200 P 08 R / G 28 P2

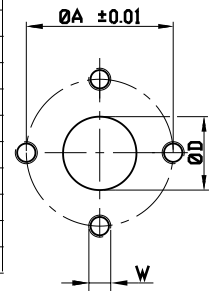
Series	P	08	R / G	28	P2	European standard flange
Pump						Taper shaft (1:8)
Displacement (see above table)						Body with threaded ports (BSP)
Rotation						
R	Reversible					

GROUP 2 PUMPS- TANDEM

VERSION: P28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)							
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

1 = One inlet port
2 = Two inlet ports

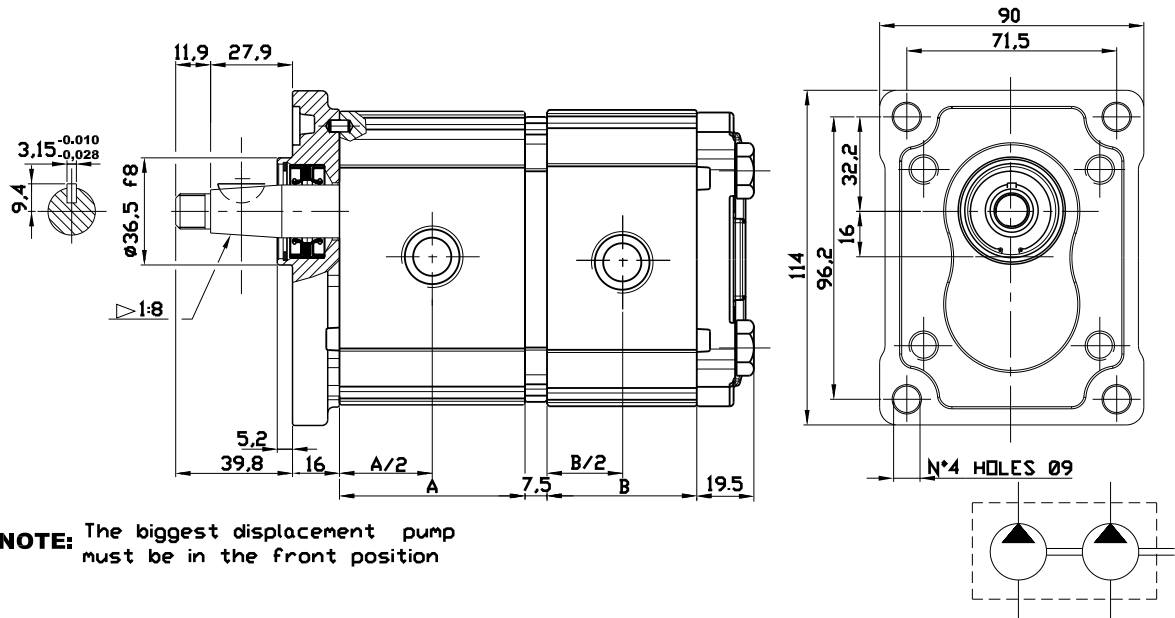
European standard flange

Taper shaft (1:8)

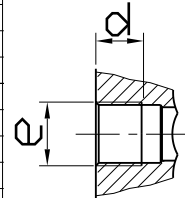
Body for European flanges

GROUP 2 PUMPS- TANDEM

VERSION: G28 P2



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension		Inlet port		Outlet port	
					A	B	e	d	e	d
					(mm)					
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



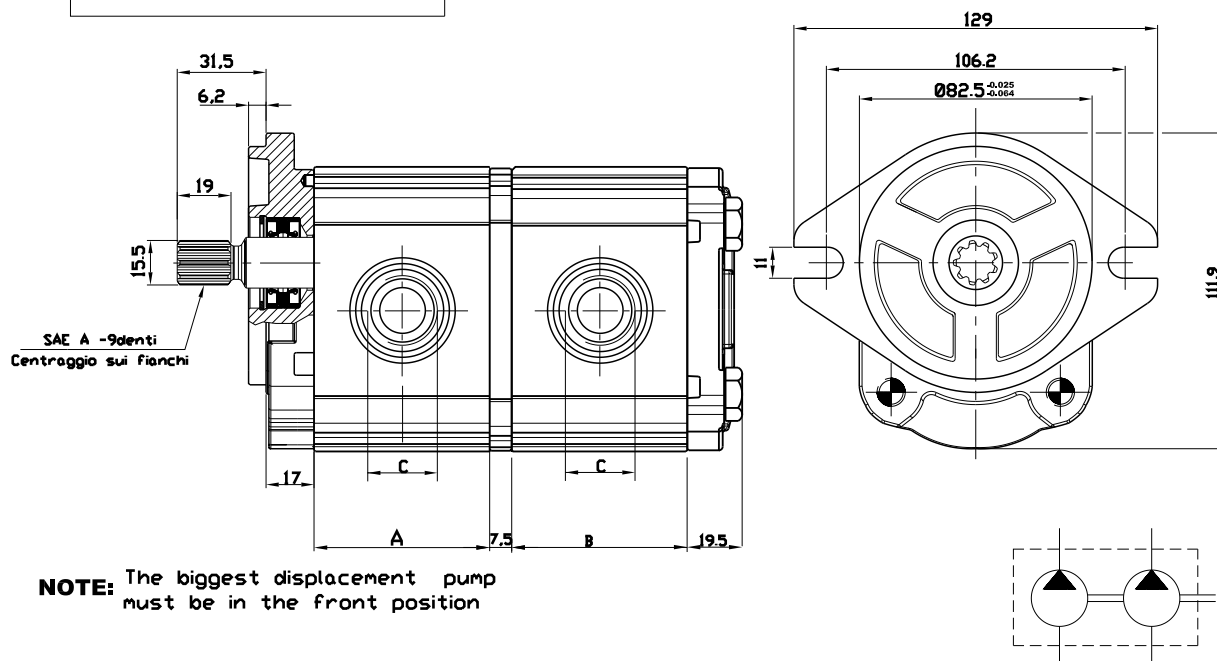
EXAMPLE OF ORDERING CODE

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

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

GROUP 2 PUMPS- TANDEM 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 B		Inlet port C	Outlet port 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		

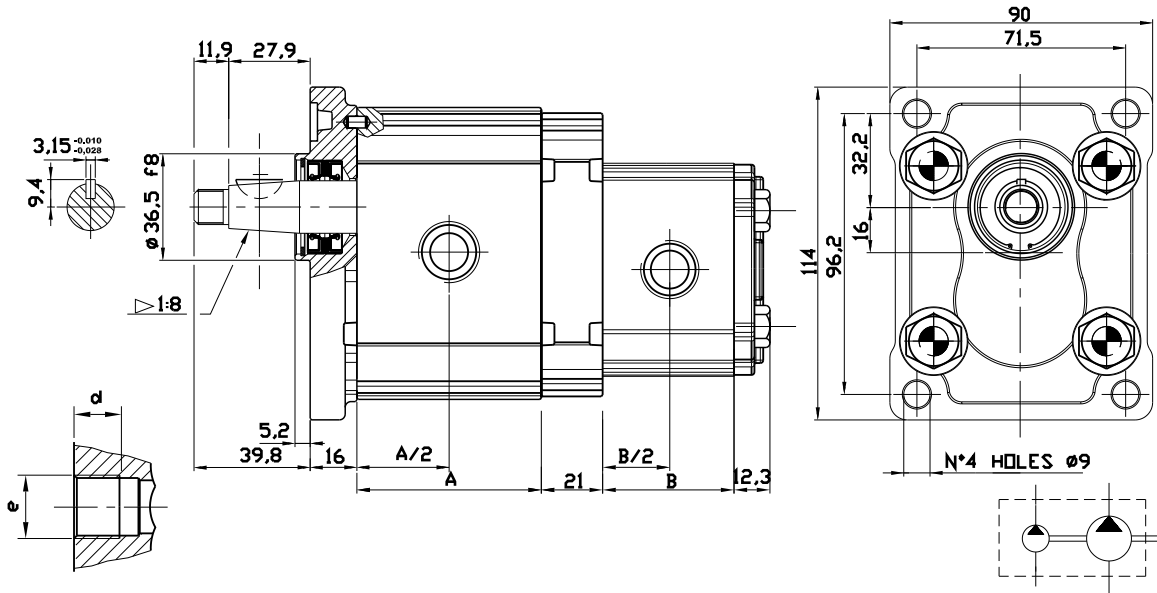
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OT200 P 16 / 06 S / R 21 S2 / 2

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

TANDEM PUMPS- OT200+ OT100

VERSION: G28 P2

**TABLE 1 OT200**

Type	Displacement	Dim. A	Inlet port		Outlet port	
		(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
-----------	---	----	---	----	---	---	---	----	----	----

The diagram illustrates the exploded view of the OT200 pump assembly. The components are organized into two main sections: the left side for the pump body and internal components, and the right side for the mounting and connection options.

Left Side Components (Assembly Order):

- Series**: The top component, which is the main pump body.
- Pump**: The internal pump assembly, shown below the Series component.
- Displacement front pump (See table1- OT200)**: The front pump assembly, shown below the Pump component.
- Displacement second pump (See table2- OT100)**: The second pump assembly, shown below the front pump.
- Rotation**: A table indicating the rotation direction for the pump assembly.

Rotation	
S	Anti-clockwise
D	Clockwise

Right Side Components (Assembly Order):

- Two inlet ports**: The inlet ports, shown to the right of the main pump body.
- European standard flange**: The flange, shown below the inlet ports.
- Taper shaft (1:8)**: The taper shaft, shown below the flange.
- Body with threaded ports (BSP)**: The body with threaded ports, shown below the taper shaft.

The diagram shows the assembly sequence for the OT200 pump, with components numbered 1 through 10. The components are arranged in a way that shows their relative positions and how they fit together.

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					
OT200 M11	11.2					
OT200 M14	14.0					
OT200 M16	16.0				3000	500
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

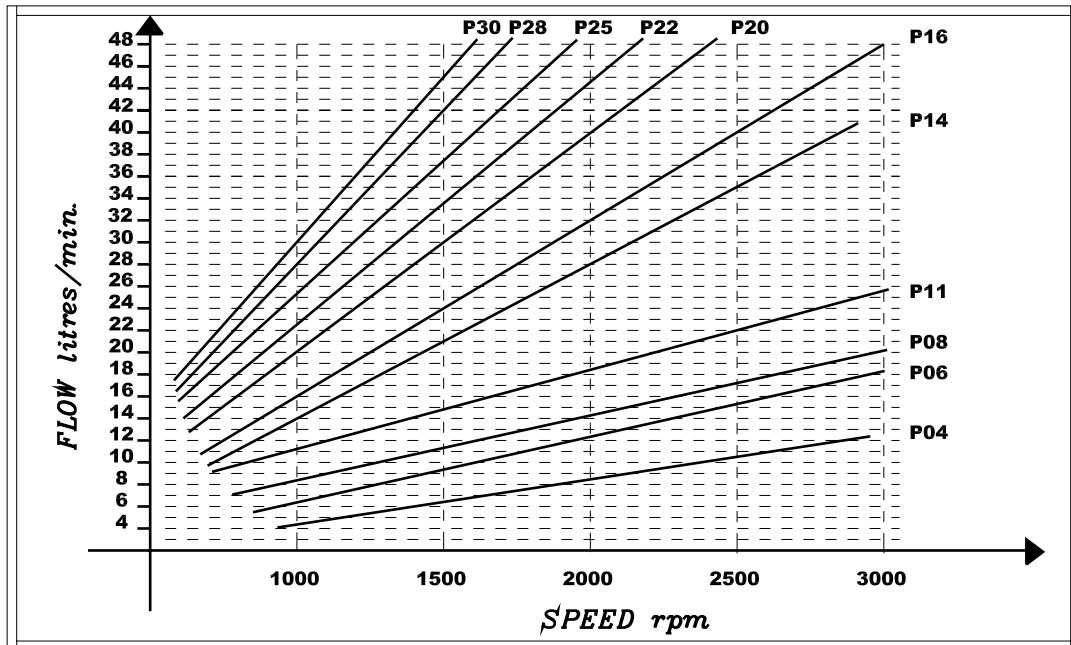
P2= Max. intermittent pressure

P3= Max. peak pressure

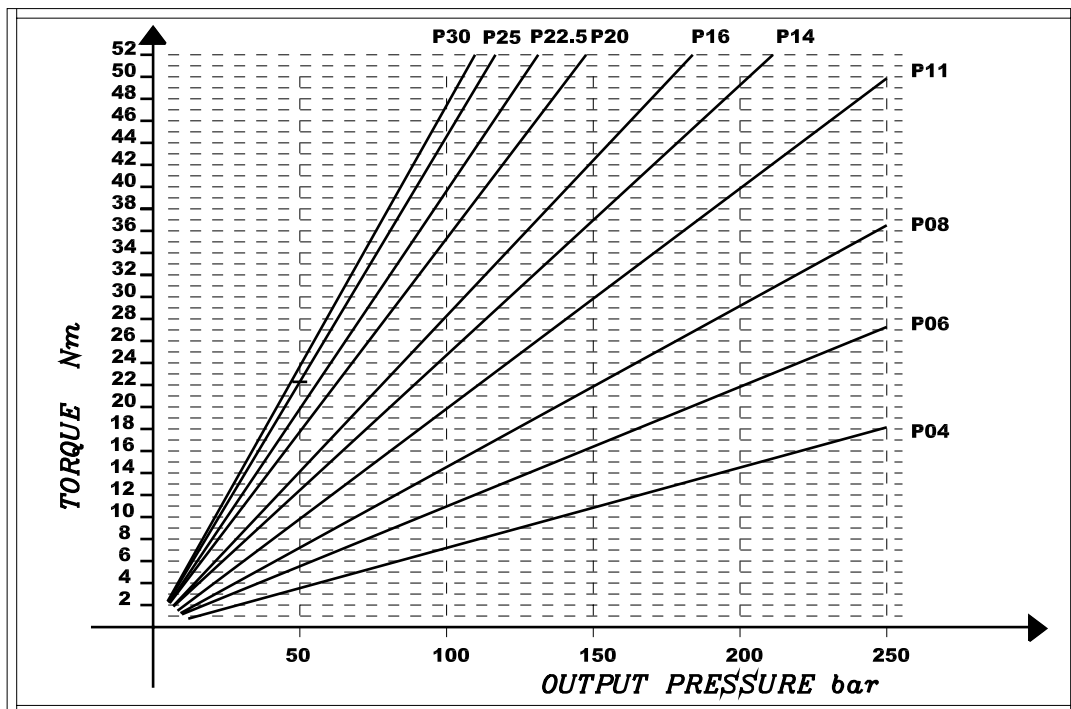
**FOR DIMENSION PLEASE CHECK
RELATIVE SINGLE PUMP TABLES**

GROUP2 MOTORS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

The flow characteristics curves have been made at P1 pressure.

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

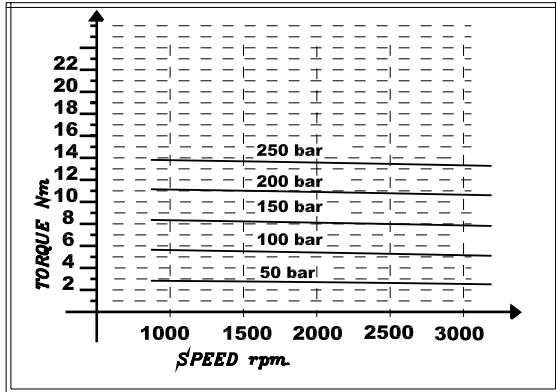
$$Q = \frac{V \cdot N}{n_v} \cdot 10^{-3} \quad l/min$$

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

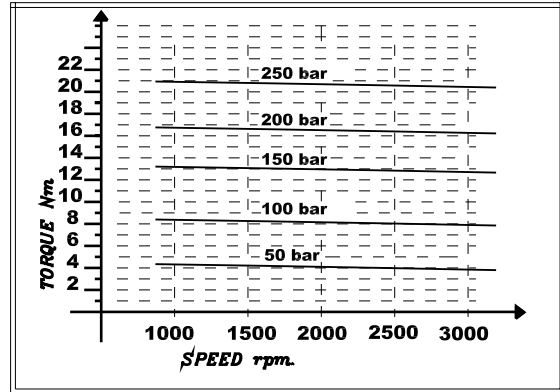
$$P = \frac{\Delta P \cdot V \cdot N \cdot n_t}{612000} \quad kW$$

GROUP2 MOTORS - TORQUE CHARACTERISTICS CURVES

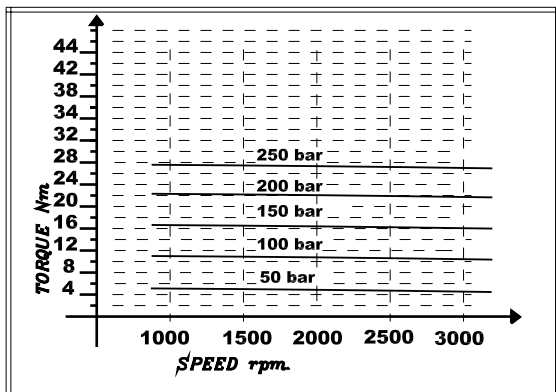
MOTORS OT200 M04



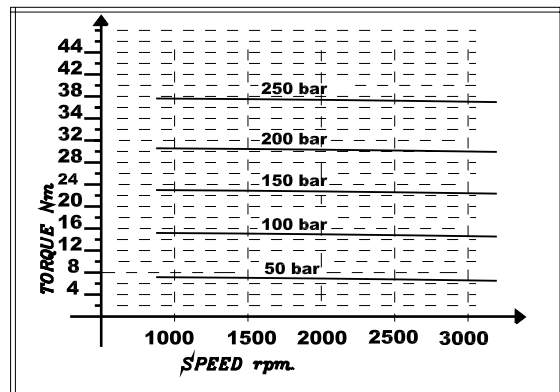
MOTORS OT200 M06



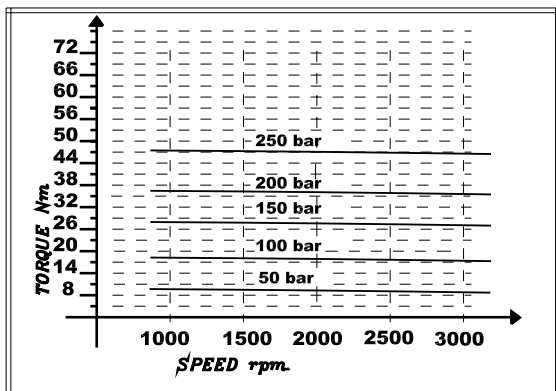
MOTORS OT200 M08



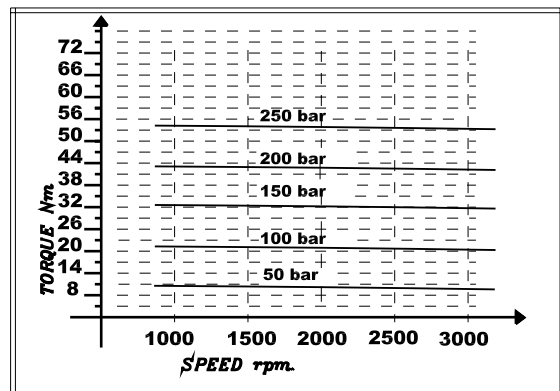
MOTORS OT200 M11.2



MOTORS OT200 M14

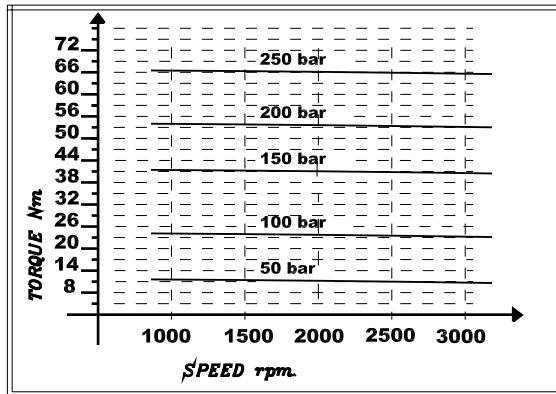


MOTORS OT200 M16

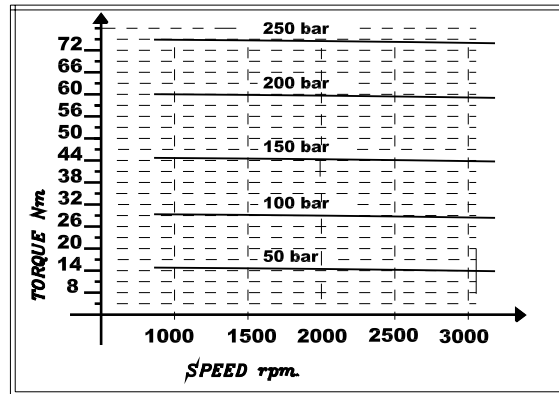


GROUP2 MOTORS - TORQUE CHARACTERISTICS CURVE

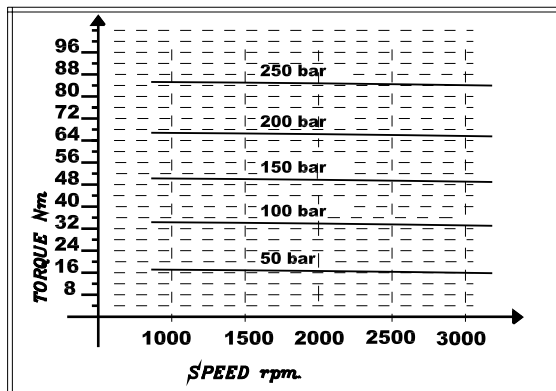
MOTORS OT200 M20



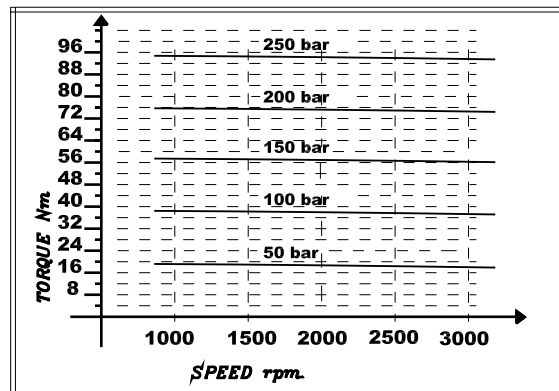
MOTORS OT200 M22



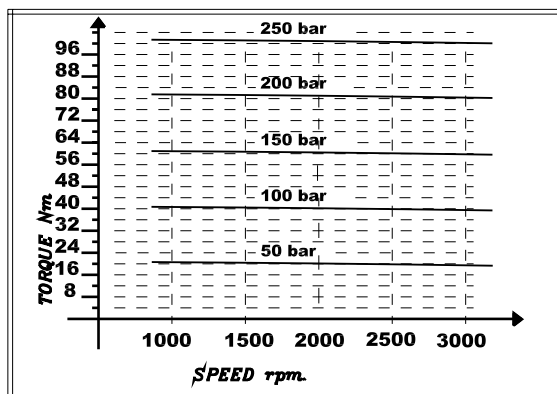
MOTORS OT200 M25



MOTORS OT200 M28

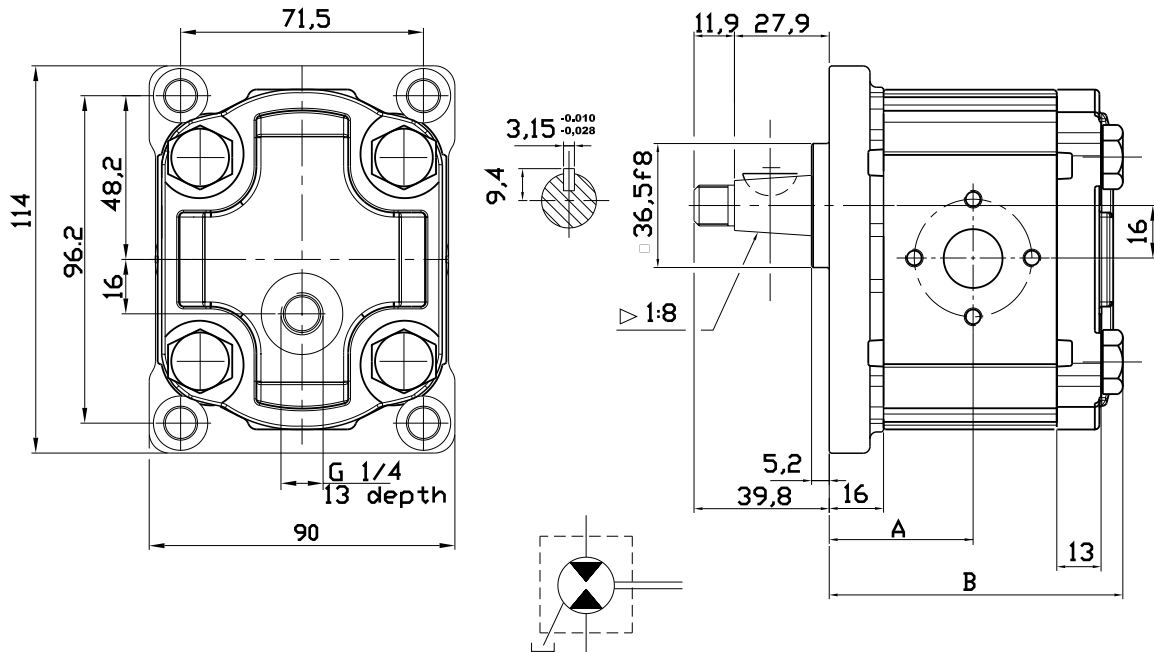


MOTORS OT200 M30

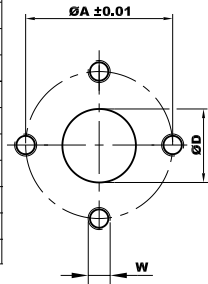


GROUP2 REVERSIBLE MOTORS - EUROPEAN STANDARD

VERSION: P28 P2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
	(cc/rev)				(bar)	(bar)	(r.p.m)	(mm)				
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

Series

Motor

Displacement (see above table)

Rotation

R

Reversible

European standard flange

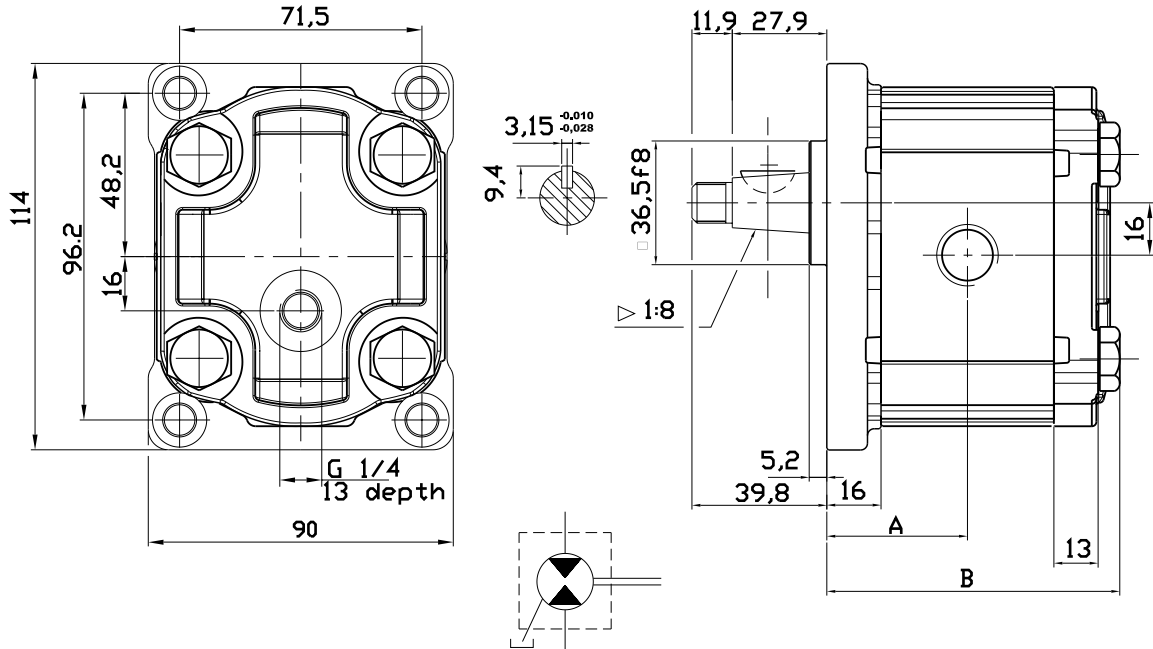
Taper shaft (1:8)

Body for European flanges

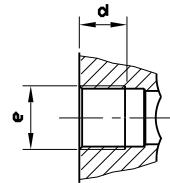
Consult our technical department.

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		Inlet port		Outlet port	
					A	B	e	d	e	d
					(mm)					
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
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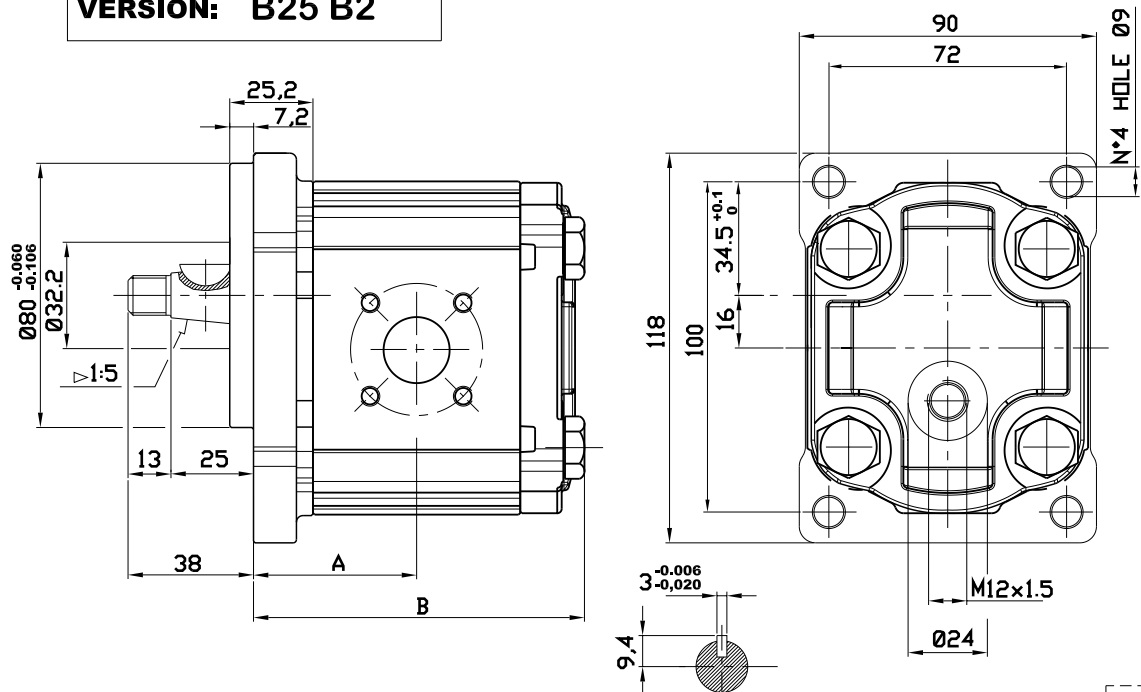
Series	
Series	
Motor	
Displacement (see above table)	
Rotation	
R	Reversible

Accessories	
European standard flange	
Taper shaft (1:8)	
Body with threaded ports (BSP)	

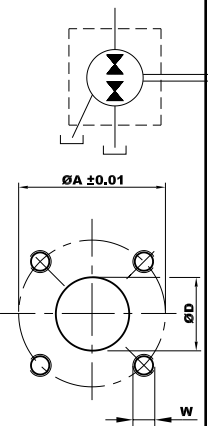
 Consult our technical department.

GROUP2 REVERSIBLE MOTORS - GERMAN STANDARD

VERSION: B25 B2



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port			Outlet port		
					A	B	ØD	ØA	W	ØD	ØA	W
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)							
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

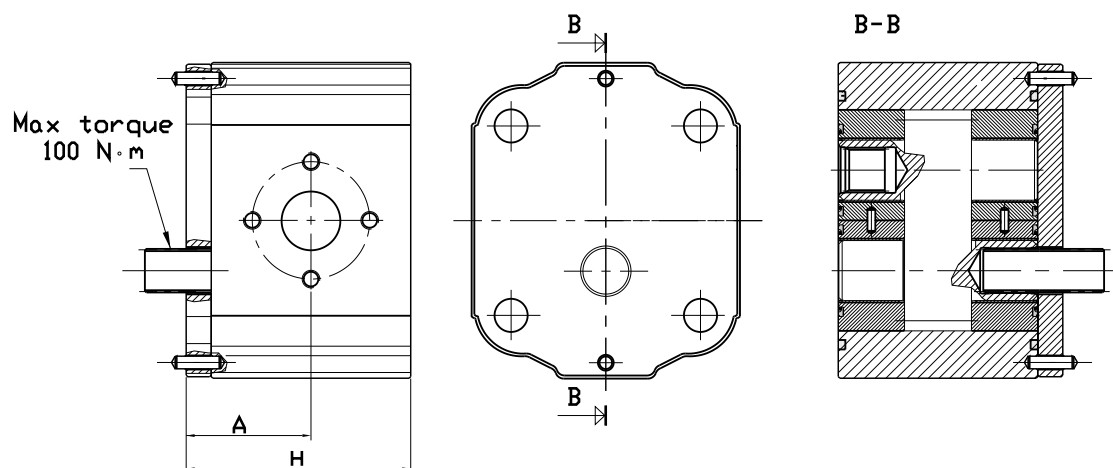
OT200 M 08 R / B 25 B2

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

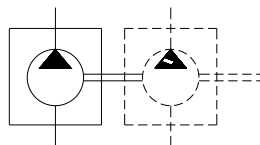
Consult our technical department.

INTERMEDIATE GROUP 2 PUMPS FOR TANDEM UNITS

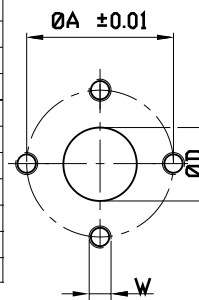
VERSION : P X X INTERMEDIATE



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		Inlet port			Outlet port		
					H	A						
					(mm)		ØD	ØA	W	ØD	ØA	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

Series

Pump

Displacement (see above table)

Rotation

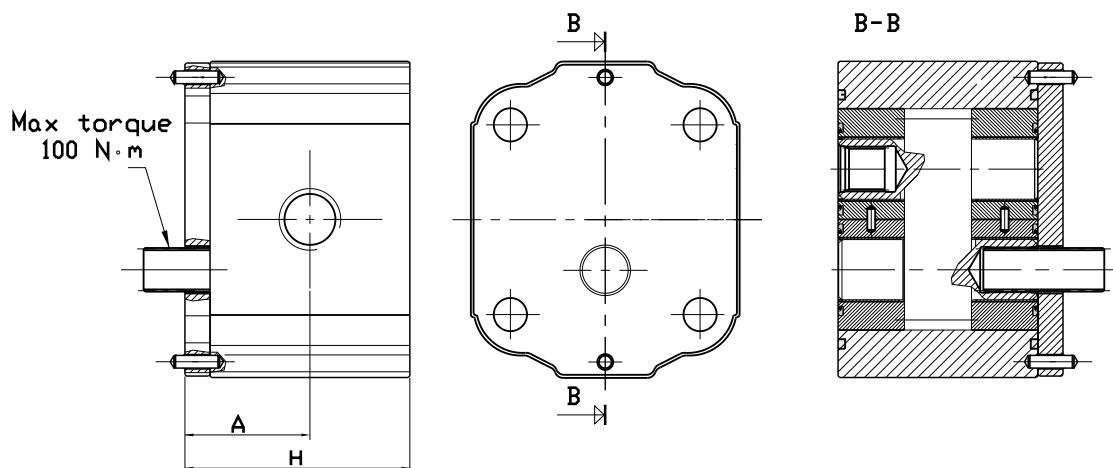
S Anti-clockwise

D Clockwise

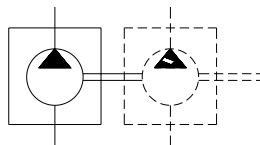
Body for European flanges

INTERMEDIATE GROUP 2 PUMPS FOR TANDEM UNITS

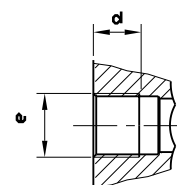
VERSION : G X X INTERMEDIATE



NOTE : Screw tightening torque 48 N.m



Type	Displacement	Max working pressure P1	Peak pressure P3	Max speed	Dimension		Inlet port		Outlet port	
					H	A	e	d	e	d
	(cc/rev)	(bar)	(bar)	(r.p.m)	(mm)					
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

Series

Pump

Displacement (see above table)

Rotation

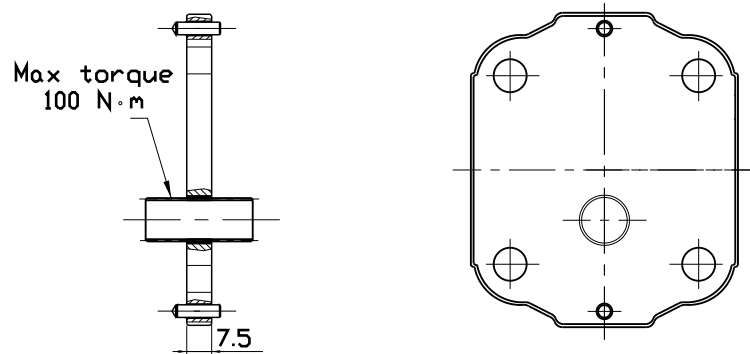
S Anti-clockwise

D Clockwise

Body with threaded ports (BSP)

COMPONENTS FOR GROUP2 TANDEM PUMPS

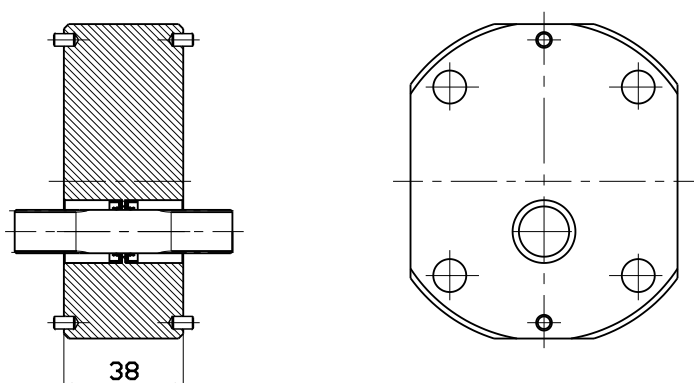
OT 200+OT200 MOUNTING KIT



NOTE : Screw tightening torque 48 N.m

ORDERING CODE: PS20370001

OT200+OT200 MOUNTING KIT FOR SEPARATE UNITS

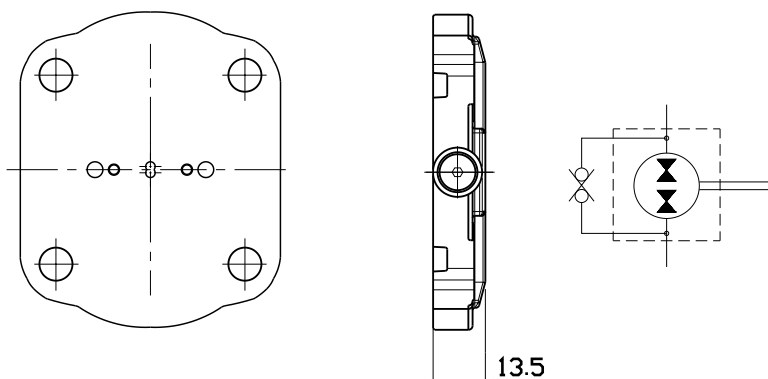


NOTE : Screw tightening torque 48 N.m

ORDERING CODE: PS20370050

REAR COVERS FOR GROUP2 PUMPS AND MOTORS

INTERNAL DRAIN REAR COVER FOR PUMPS AND MOTORS



NOTE : Max back pressure 5 - 7 [bar]

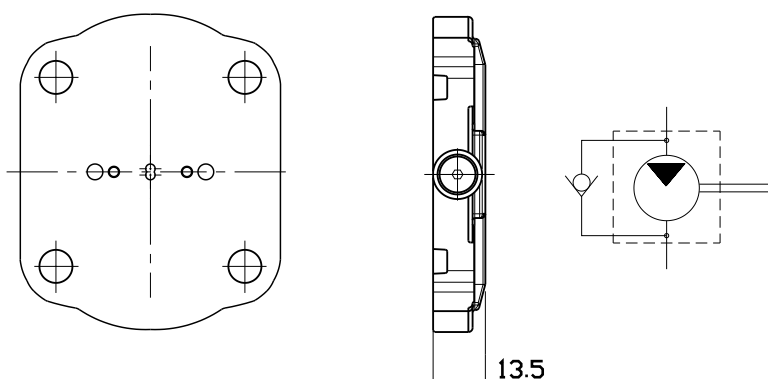
EXAMPLE OF ORDERING CODE

OT200 M 08 R / G 28 P2 - DI

See correspondent 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 correspondent UNIDIRECTIONAL motor tables

Rear cover with ANTICAVITATION VALVE