

GROUP 1 PUMPS

GEAR HOUSING

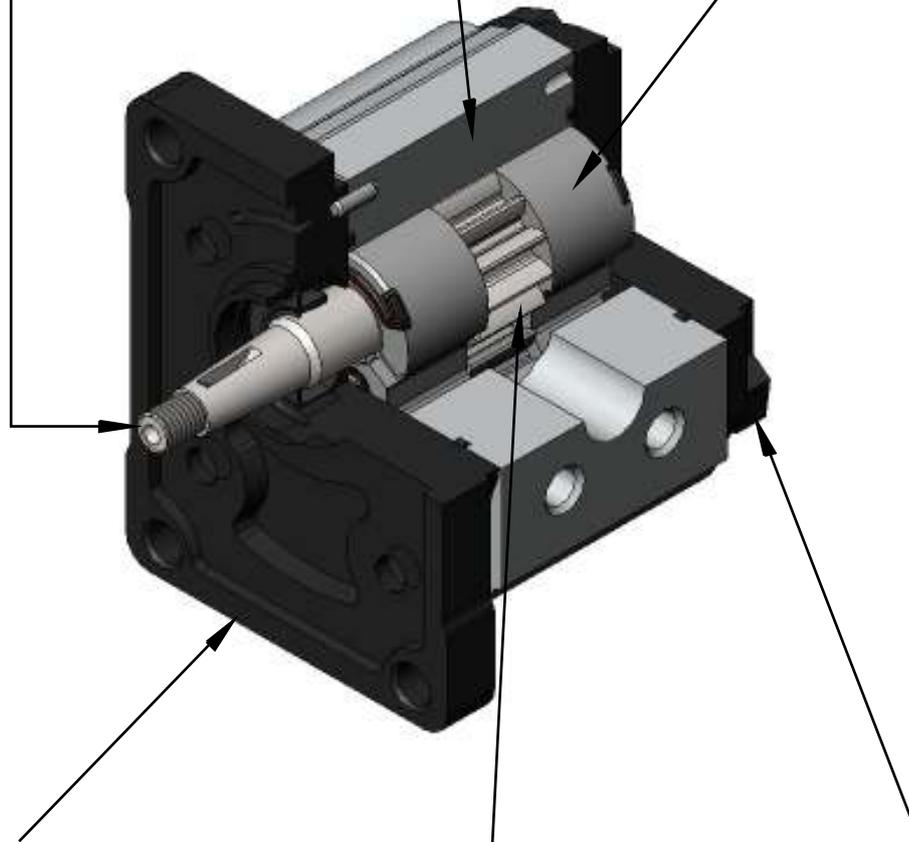
Extruded in aluminium alloy

DRIVE SHAFTS

Choice 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

GROUP 1 PUMPS

CONSTRUCTIVE CHARACTERISTICS:

PART	MATERIAL	CHARACTERISTICS
GEARS	Hardened steel UNI 7846	Rs= 1250 N/mm² Rm= 1450 N/mm²
FLANGE AND COVER	G25 / G30 cast iron	Rs= 300 N/mm² Rm= 450 N/mm²
BEARINGS	Sical 3 Bearings with DU	Rs= 350 N/mm² Rm= 390 N/mm²
BODY	Etruded in aluminium alloy Series 7020	Rs= 350 N/mm² Rm= 390 N/mm²
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 0.9 Kg to 1.6 kg

Maximum speed up to 5.000 rpm

Type of shafts:

Taper 1:8

Oldham

Slined DIN 5482

SAE AA

Keyed

Type of flanges:

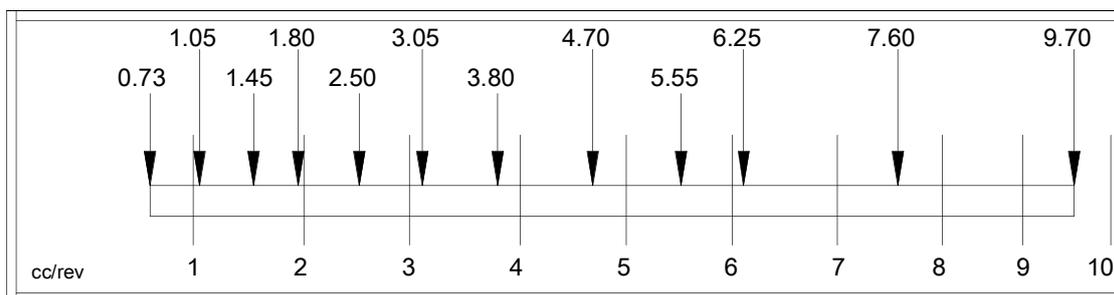
European standard

Standard for power units

SAE AA standard

Displacements from 0.73 cc/rev to 9.9 cc/rev

The displacements are available according this table:



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

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

DRIVE:

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

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

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

GROUP 1 PUMPS

WORKING CONDITIONS- LIMIT PERFORMANCES

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

The pressure range in suction must be:

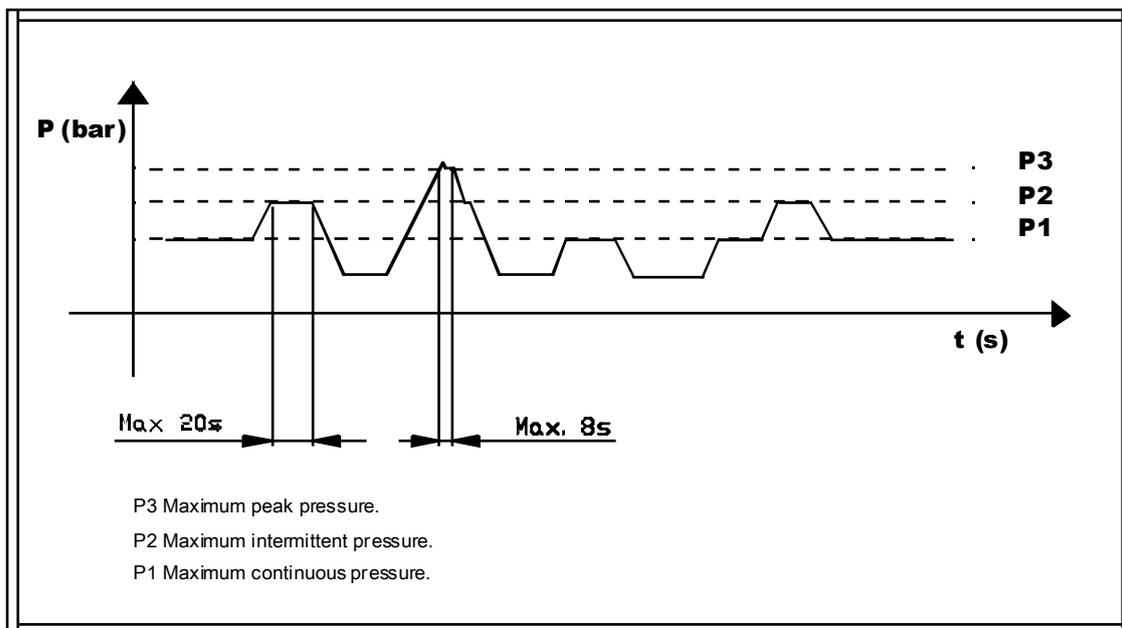
Min. 0.75 bar (absolute)

Max 2,0 bar (absolute)

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

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

In the following table are described the admitted pressures:

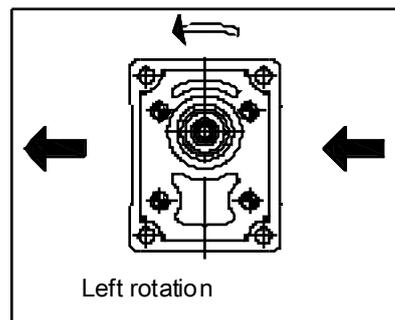
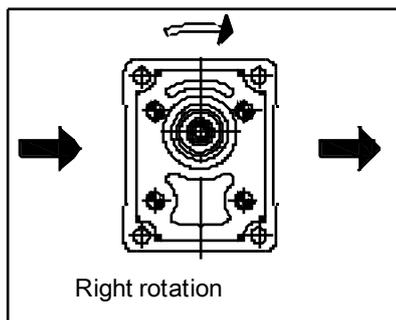


The standard working speeds (minimum and maximum) are the following:

Min. = 750 rpm

Max = (See following tables)

DIRECTION OF ROTATION LOOKING AT THE SHAFT:



GROUP 1 PUMPS

FLUID FILTRATION

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

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

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

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

Here below the technical parameters to respect:

FILTRATION IN SUCTION LINE	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 in contaminated places it is recommended to improve the filtration in pressure line and fit also an air filter.

HYDRAULIC FLUIDS

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

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

Here below the technical parameters to respect:

MINIMUM VISCOSITY	10 mm²/s
MAXIMUM VISCOSITY	100 mm²/s
SUGGESTED VISCOSITY	20 mm²/s / 100 mm²/s
SUGGESTED TEMPERATURE	30°C / 50°C
WORKING TEMPERATURE	-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:

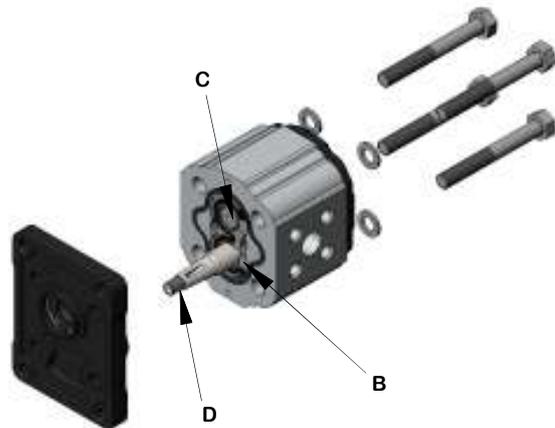
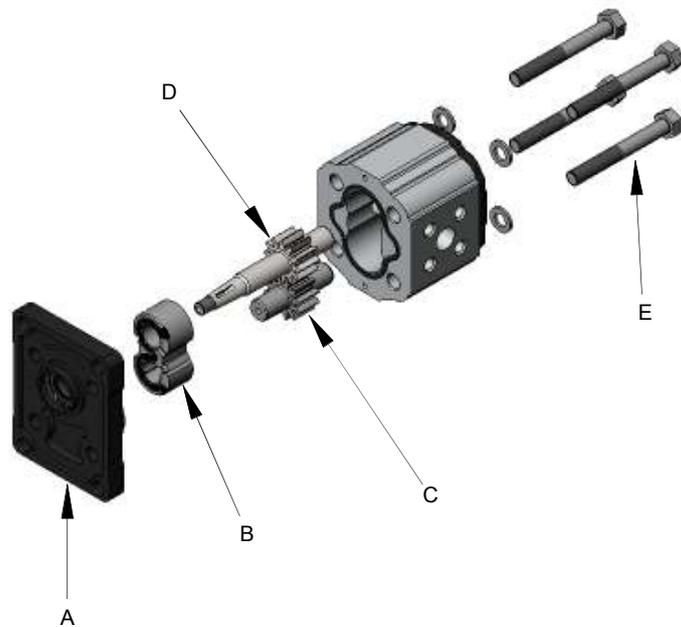
- to set the maximum pressure relief valves to a low value and gradually increase the pressure.
- to check, with single rotation pumps, that the rotation direction it is correct.
- to check that the connection between the motor and pump shaft is correct: without radial or axial load.
- to avoid starting 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 1 PUMPS- CHANGING ROTATION

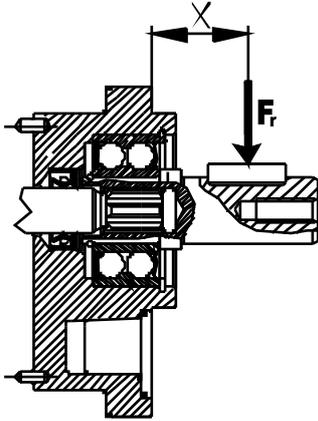
TO CHANGE ROTATION OF OT100 PUMP IT'S NECESSARY TO OPERATE IN THE FOLLOWING WAY:

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



GROUP 1 PUMPS- WITH FRONT BEARING

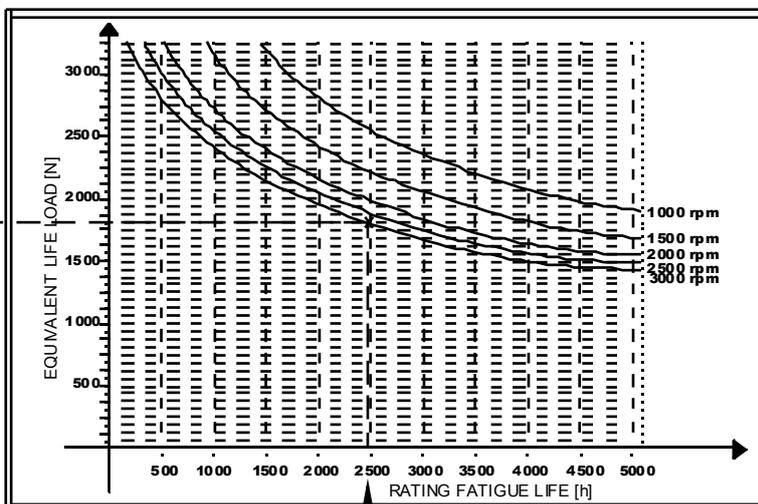
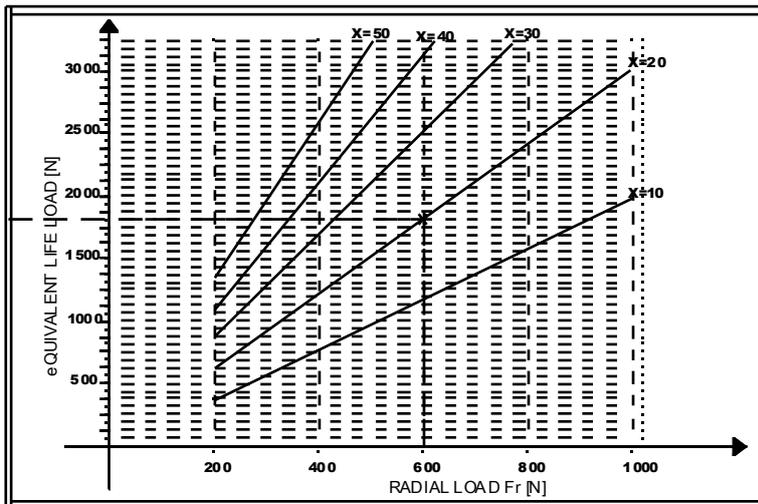
VERIFY OF BEARING LIFE



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

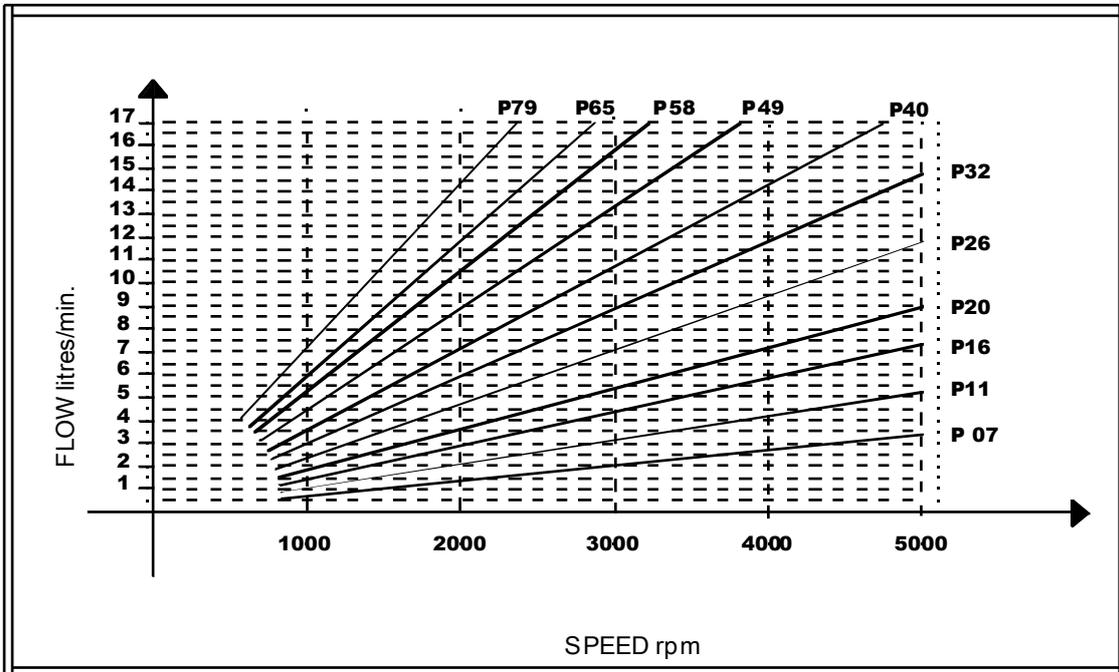
**Each curve has been obtained at:
Lubricant oil ISO VG 46
Temperature 60° C (140° F)
Without or with very low axial load**

Example
Fr = 600 N
X = 20 mm
Speed = 3000 rpm
Rating fatigue life ≈ 2500 h

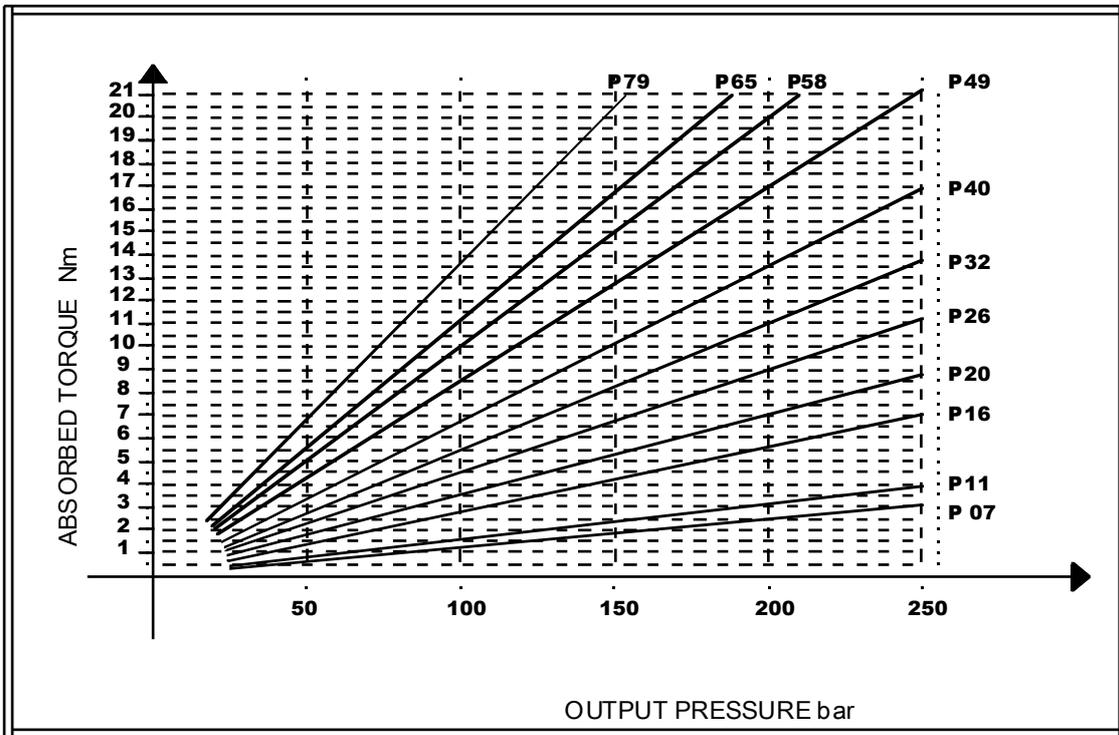


GROUP 1 PUMPS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

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

GROUP 1 PUMPS

PUMP CALCULATION

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

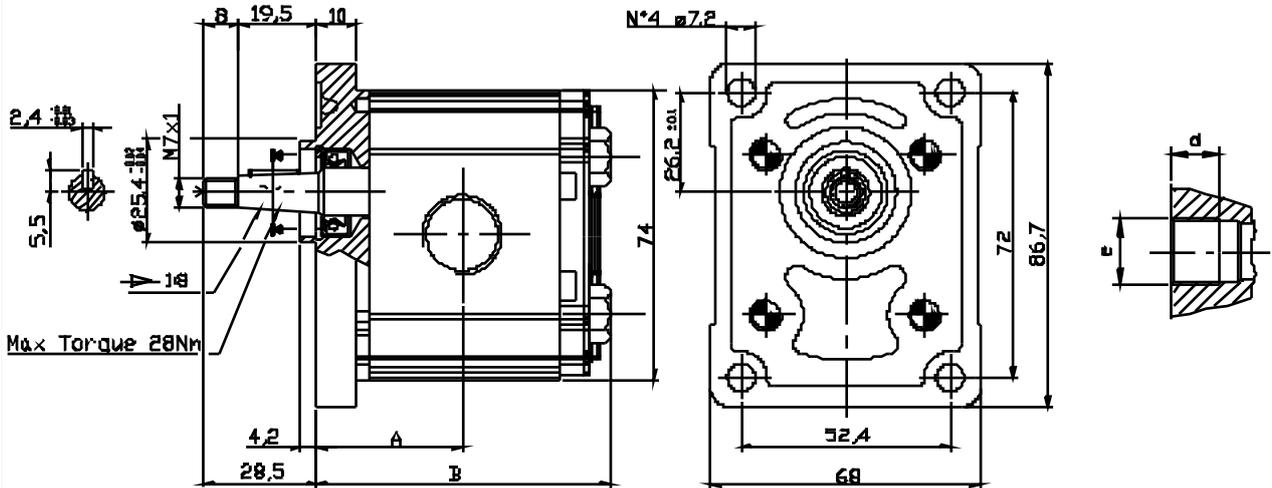
$$Q = V \cdot n_v \cdot N \cdot 10^{-3} \quad \text{l/min}$$

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

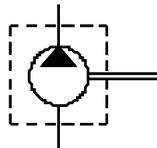
$$P = \frac{\Delta P \cdot V \cdot N}{612000 \cdot n_t} \quad \text{kW}$$

GROUP 1 PUMPS- EUROPEAN STANDARD

VERSION: G2 18 P1



Port	Dimension	e	d
			mm
Outlet	3/8"	G 3/8"	14
Inlet	1/2"	G 1/2"	14



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

EXAMPLE OF ORDERING CODE

OT100
P
65
S / G2
18
P1

Series

Pump

Displacement (see above table)

Rotation

- | | |
|---|----------------|
| S | Anti-clockwise |
| D | Clockwise |

European standard flange

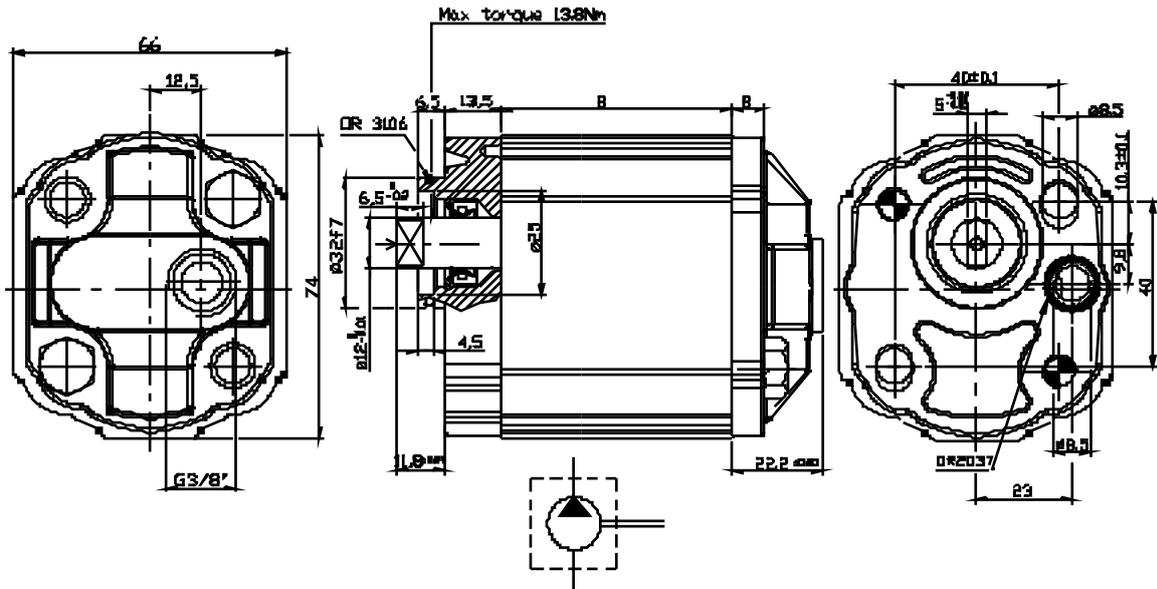
Taper shaft (1:8)

Body with threaded ports (BSP)
Inlet G 1/2"

AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS- FOR POWER UNITS

VERSION: N 14 B2



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

EXAMPLE OF ORDERING CODE

OT100 P 20 D / N 14 B2

Series

Pump

Displacement (see above table)

Rotation

D clockwise

B2= Flange for clockwise

Tang shaft

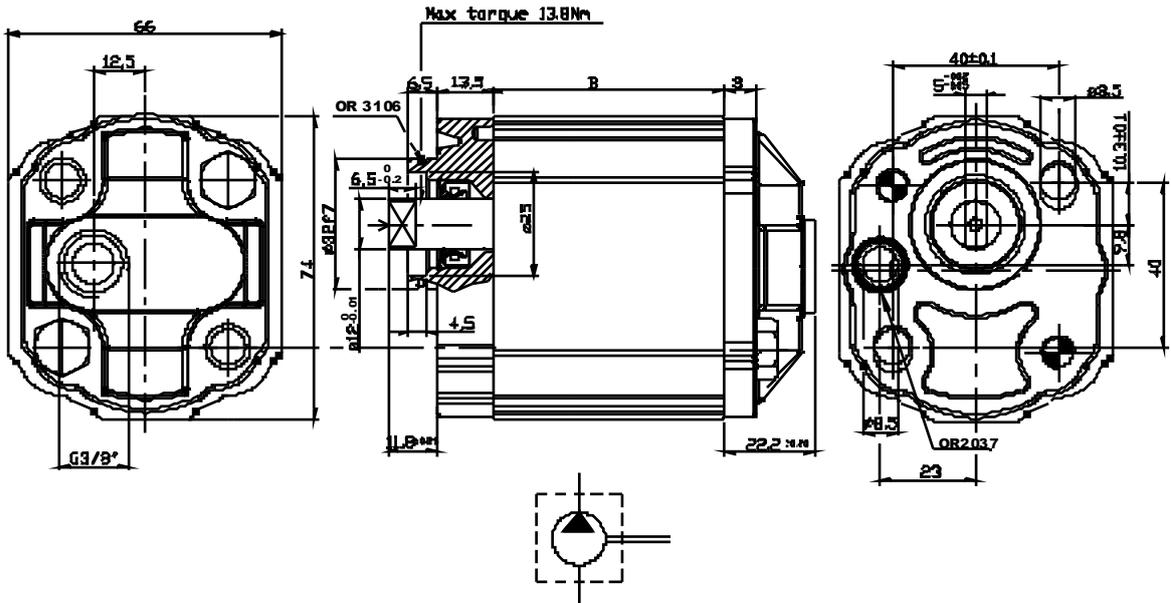
Body without ports

 Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS

FOR POWER UNITS

VERSION: N 14 B1



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

EXAMPLE OF ORDERING CODE

OT100 P 20 S / N 14 B1

Series

Pump

Displacement (see above table)

Rotation

S

Anti-clockwise

B1= Flange for Anti-clockwise

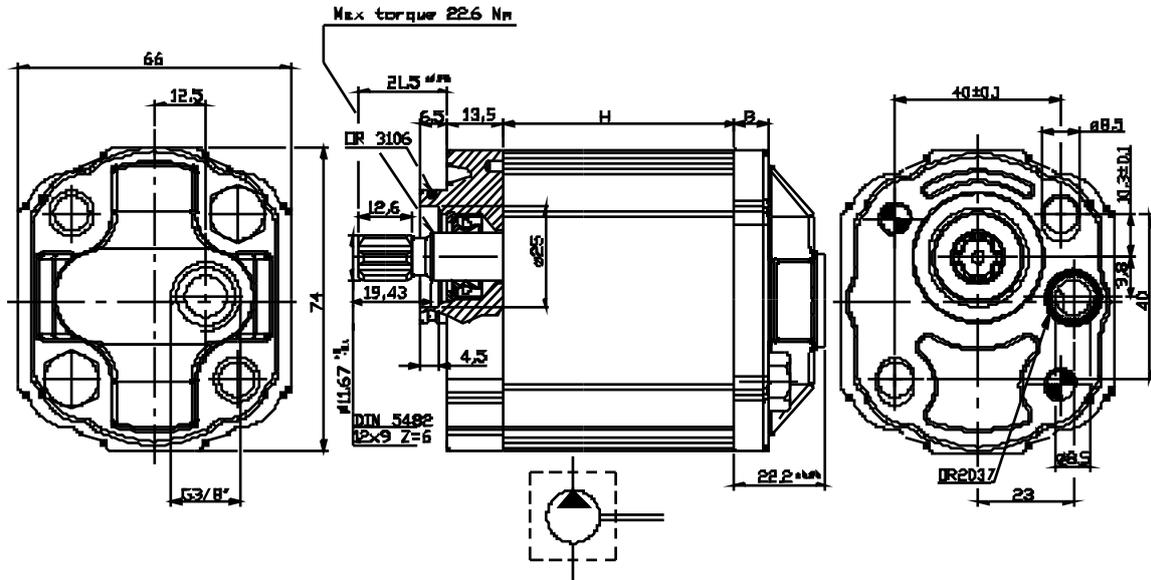
Tang shaft

Body without ports

□ Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS- FOR POWER UNITS

VERSION: N 16 B2



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

EXAMPLE OF ORDERING CODE

OT100 P 20 D / N 16 B2

Series

Pump

displacement (see above table)

Rotation

D Clockwise

B2= Flange for clockwise

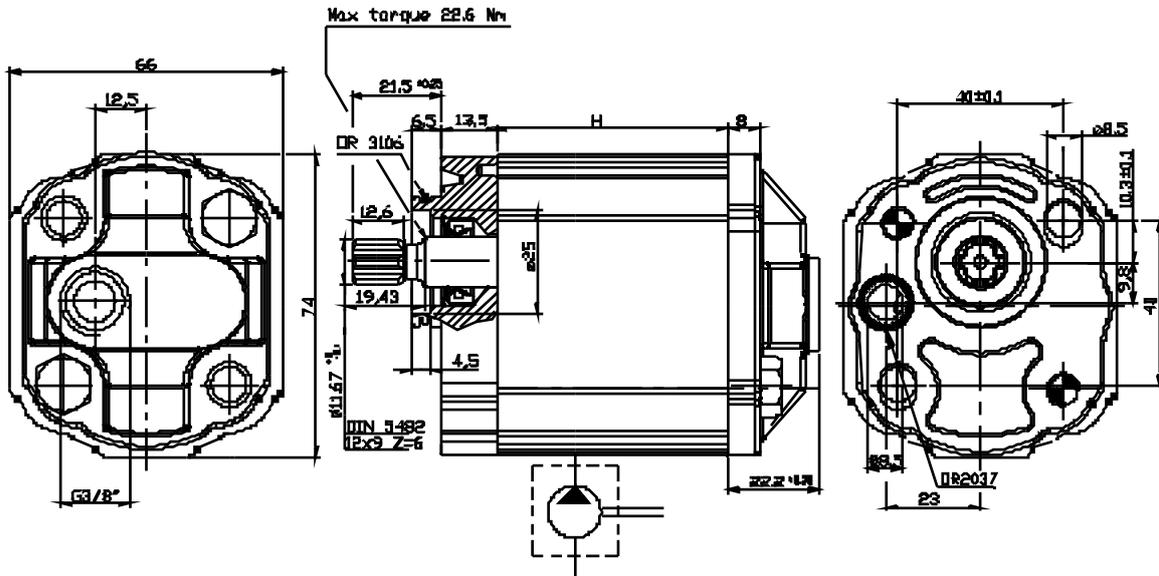
Splined shaft (DIN5482)

Body without ports

□ Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS- FOR POWER UNITS

VERSION: N 16 B1



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

EXAMPLE OF ORDERING CODE

OT100 P 20 S / N 16 B1

Series

Pump

displacement (see above table)

Rotation

S

Anticlockwise

B1= Flange for anticlockwise

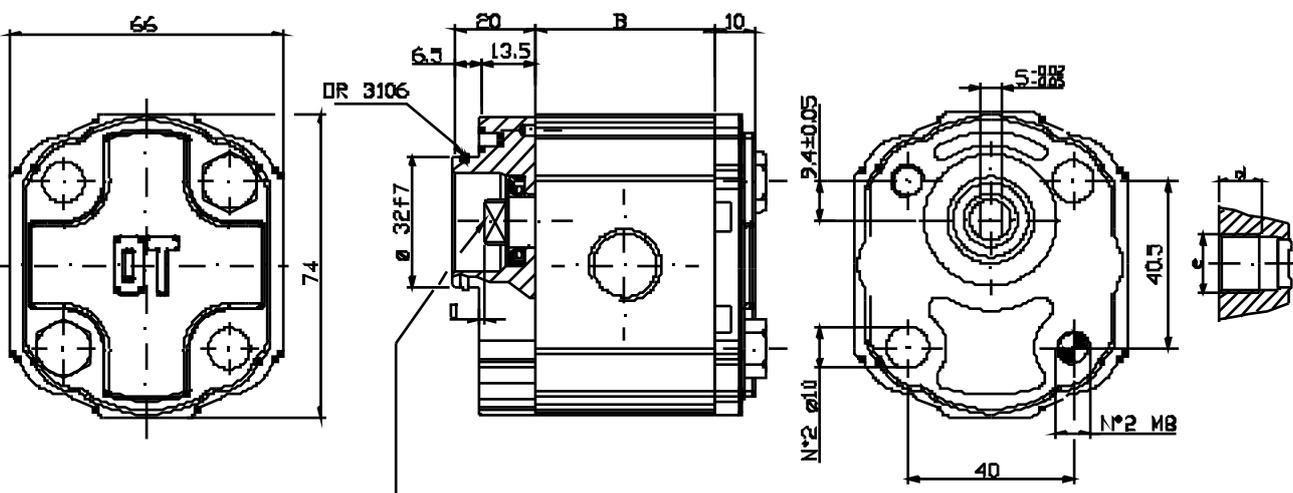
Splined shaft (DIN54 82)

Body without ports

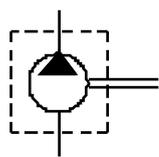
□ Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS- FOR POWER UNITS

VERSION: G 13 B0



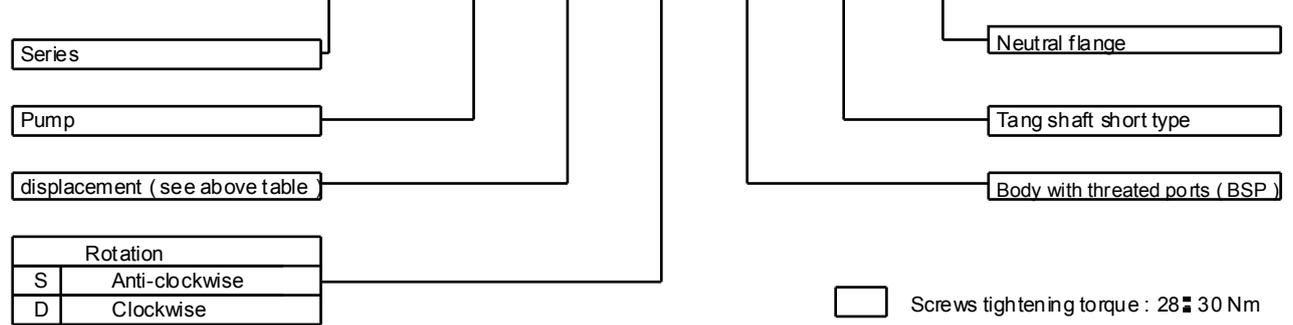
Displacement	Port	Dimension	e	d
				mm
From 0,70 to 4,50	Outlet	3/8"	G 3/8"	14
	Inlet	3/8"	G 3/8"	14
From 5,55 to 7,60	Outlet	3/8"	G 3/8"	14
	Inlet	1/2"	G 1/2"	14



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

EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 13 B0



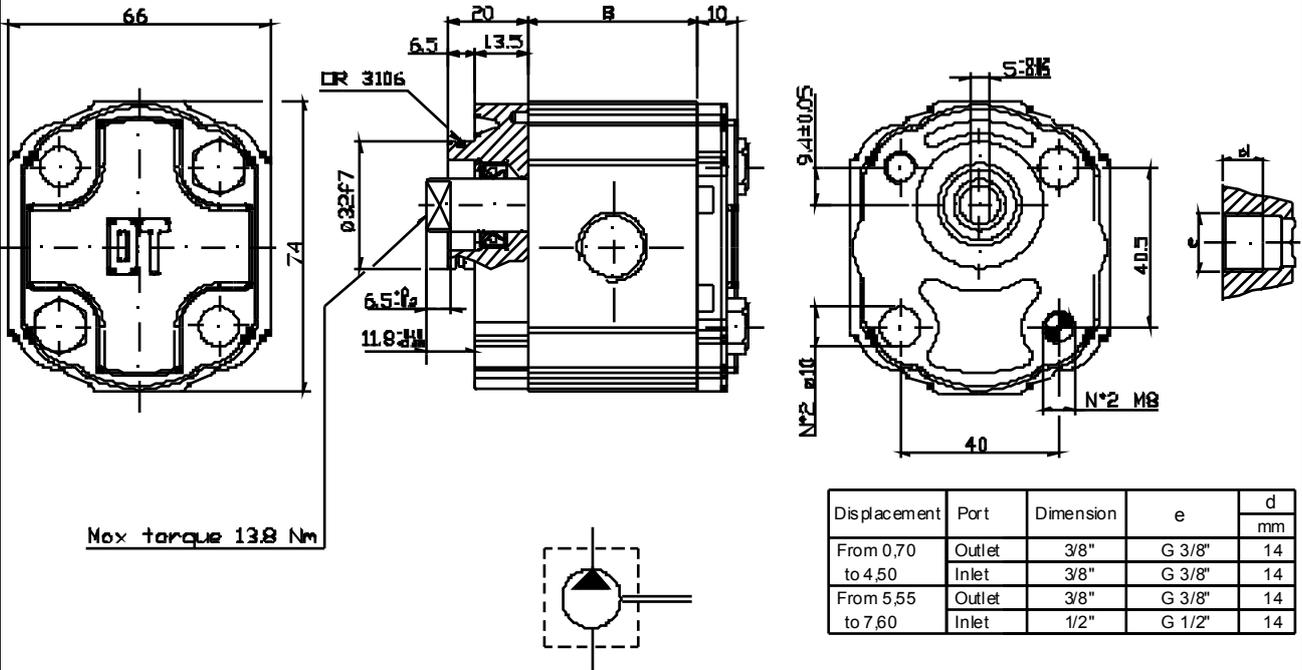
□ Screws tightening torque : 28 ± 30 Nm

▨ AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS

FOR POWER UNITS

VERSION : G14 B0



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

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (rpm)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
OT 100 P07	0.73	200	240	5000	36.7	1.8	PS1017001S	PS1017001D
OT 100 P11	1.05	240	280	5000	37.8	2.4	PS1017002S	PS1017002D
OT 100 P16	1.45	260	300	5000	39.5	4.2	PS1017003S	PS1017003D
OT 100 P20	1.80	240	300	5000	40.9	5.2	PS1017004S	PS1017004D
OT 100 P26	2.50	240	280	5000	43.0	6.7	PS1017005S	PS1017005D
OT 100 P32	3.05	240	280	5000	45.0	8.3	PS1017006S	PS1017006D
OT 100 P40	3.80	220	260	4500	47.8	10.1	PS1017007S	PS1017007D
OT 100 P49	4.70	200	240	4500	50.9	12.7	PS1017008S	PS1017008D
OT 100 P58	5.55	180	220	4000	54.0	15.0	PS1017009S	PS1017009D
OT 100 P65	6.25	160	200	3750	56.5	16.8	PS1017010S	PS1017010D
OT 100 P79	7.60	140	180	3500	61.2	20.5	PS1017012S	PS1017012D

EXAMPLE OF ORDERING CODE

OT100 P 20 S / G 14 B0

Series

Pump

displacement (see above table)

Rotation

S Anti-clockwise

D Clockwise

Neutral flange

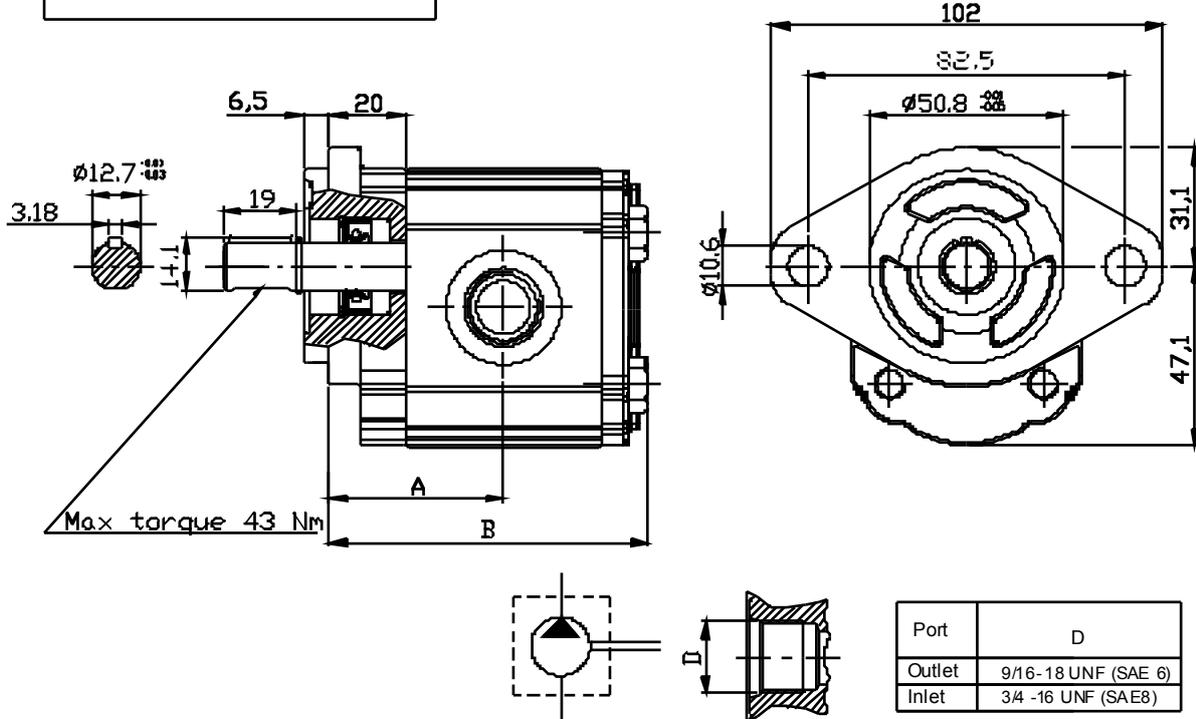
Tang shaft

Body with threaded ports (BSP)

□ Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS- SAE "AA" STANDARD

VERSION: R11S1



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

EXAMPLE OF ORDERING CODE

OT100 P 20 S / R 11 S1

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise
D Clockwise

SAE- AA flange 2 bolts

SAE AA cylindrical shaft

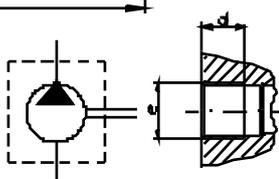
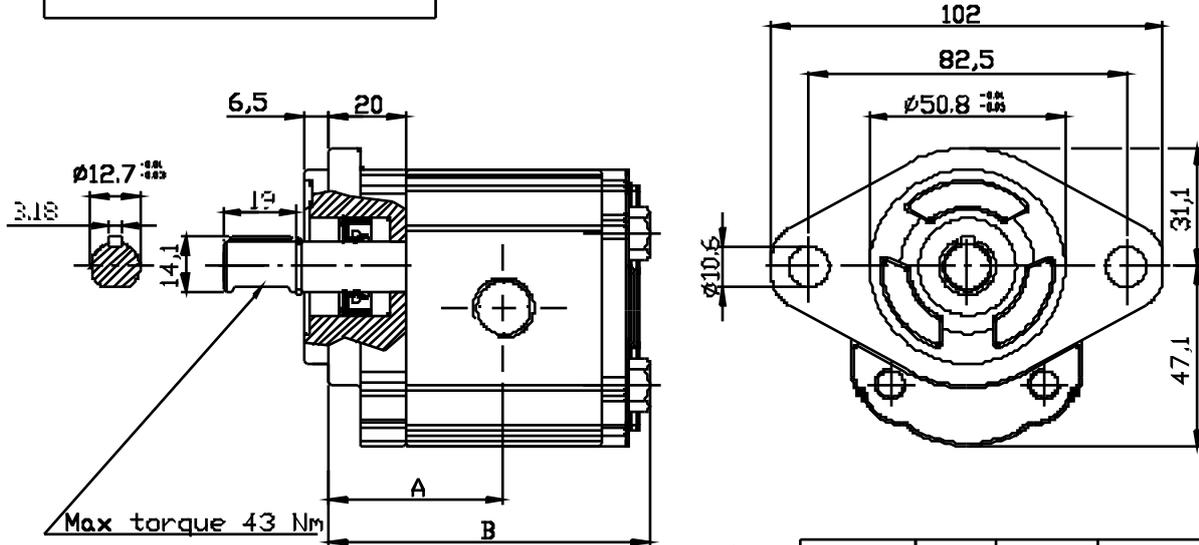
Body with O-ring boss ports

□ Screws tightening torque : 28 ± 30 Nm

▨ AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS- SAE "AA" STANDARD

VERSION: G11S1

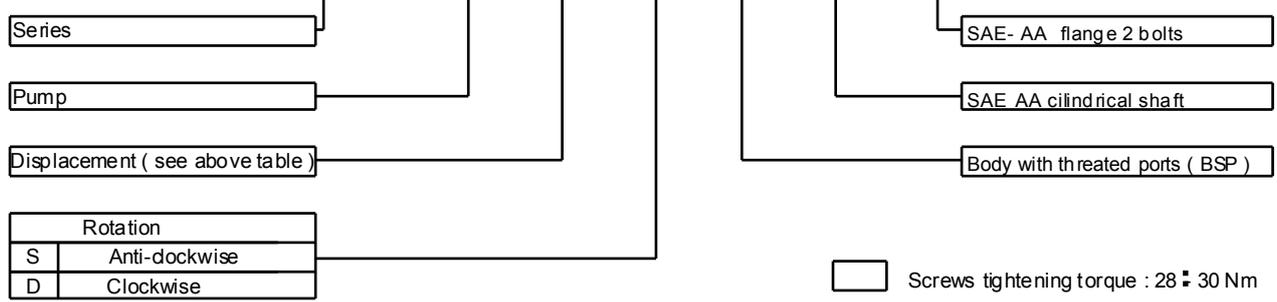


Displacement	Port	Dimension	e	d
				mm
From 0,70 to 4,50	Outlet	3/8"	G 3/8"	14
	Inlet	3/8"	G 3/8"	14
From 5,55 to 7,60	Outlet	3/8"	G 3/8"	14
	Inlet	1/2"	G 1/2"	14

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

EXAMPLE OF ORDERING CODE

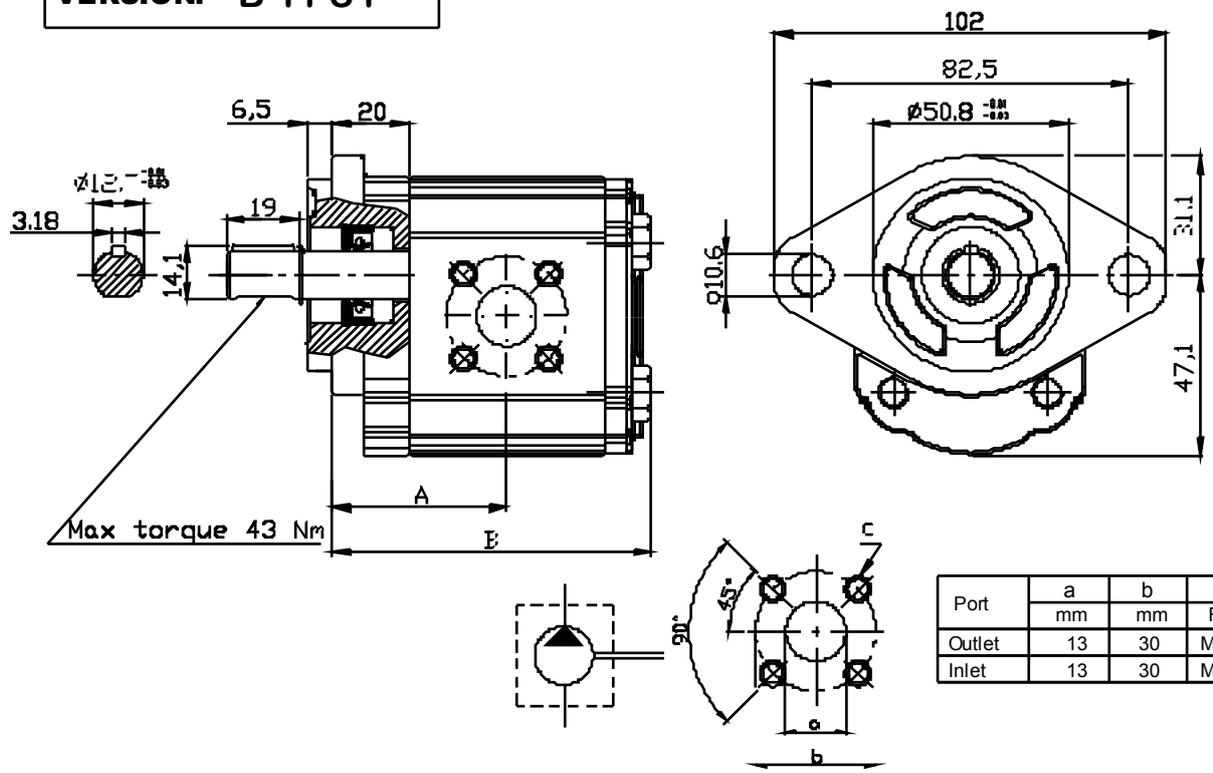
OT100 P 20 S / G 11 S1



Screws tightening torque : 28 ± 30 Nm
 AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS- SAE "AA" STANDARD

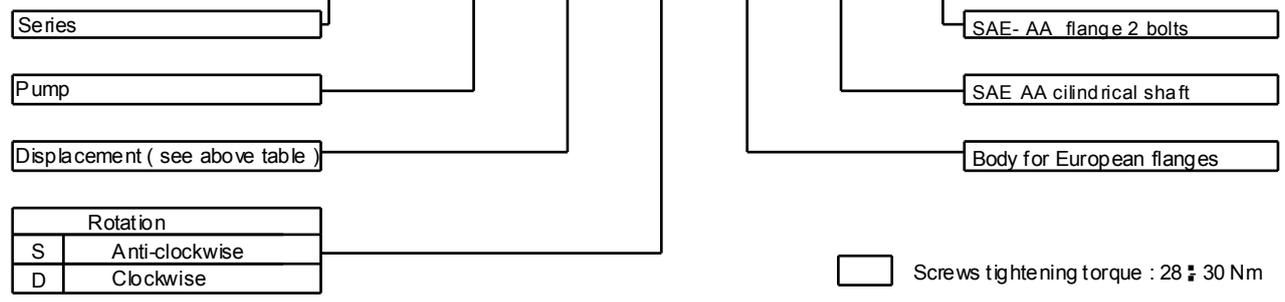
VERSION: B 11 S1



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

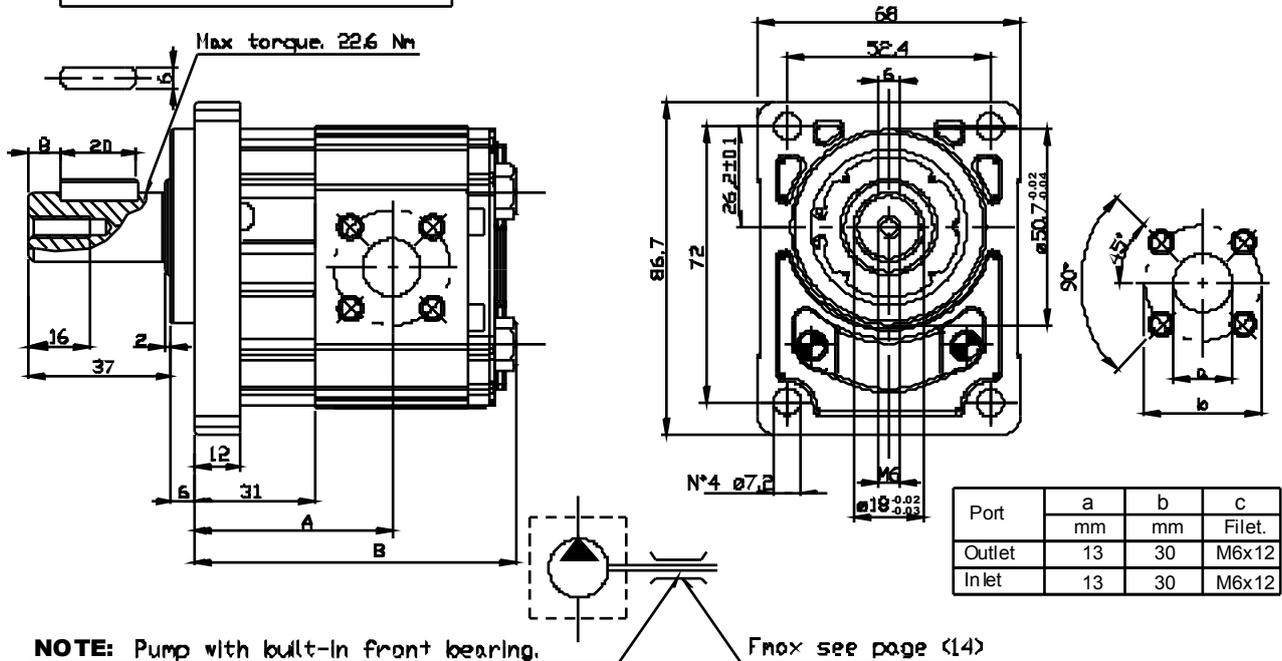
EXAMPLE OF ORDERING CODE

OT100 P 20 S / B 11 S1



GROUP 1 PUMPS- WITH FRONT BEARING

VERSION: B16 T P1



Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A B (mm)		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A	B			
OT 100 P07	0.73	200	240	5000	49.30	82.5	1.8	PS1027101S	PS1027101D
OT 100 P11	1.05	240	280	5000	49.90	83.6	2.4	PS1027102S	PS1027102D
OT 100 P13	1.25	260	300	5000	50.60	84.3	3.2	PS1027125S	PS1027125D
OT 100 P16	1.45	260	300	5000	50.75	85.3	4.2	PS1027103S	PS1027103D
OT 100 P20	1.80	260	300	5000	51.45	86.7	5.2	PS1027104S	PS1027104D
OT 100 P25	2.50	260	300	5000	52.50	88.8	6.7	PS1027105S	PS1027105D
OT 100 P32	3.05	260	300	5000	53.50	90.8	8.3	PS1027106S	PS1027106D
OT 100 P40	3.80	260	300	4500	54.90	93.6	10.1	PS1027107S	PS1027107D
OT 100 P43	4.30	240	280	4500	55.45	95.7	12.0	PS1027124S	PS1027124D
OT 100 P49	4.50	240	280	4500	56.45	96.7	12.7	PS1027108S	PS1027108D
OT 100 P58	5.55	200	240	4000	58.00	99.8	15.0	PS1027109S	PS1027109D
OT 100 P65	6.25	190	230	3750	59.25	102.3	16.8	PS1027110S	PS1027110D
OT 100 P79	7.60	170	220	3500	61.60	107.0	20.5	PS1027111S	PS1027111D
OT 100 P99	9.90	130	170	3500	70.40	115.8	26.3	PS1027123S	PS1027123D

EXAMPLE OF ORDERING CODE

OT100 P 20 S / B / T 16 P1

Series

Pump

Displacement (see above table)

Rotation

S Anti-dockwise

D Clockwise

European standard flange

Pump shaft

Front bearing

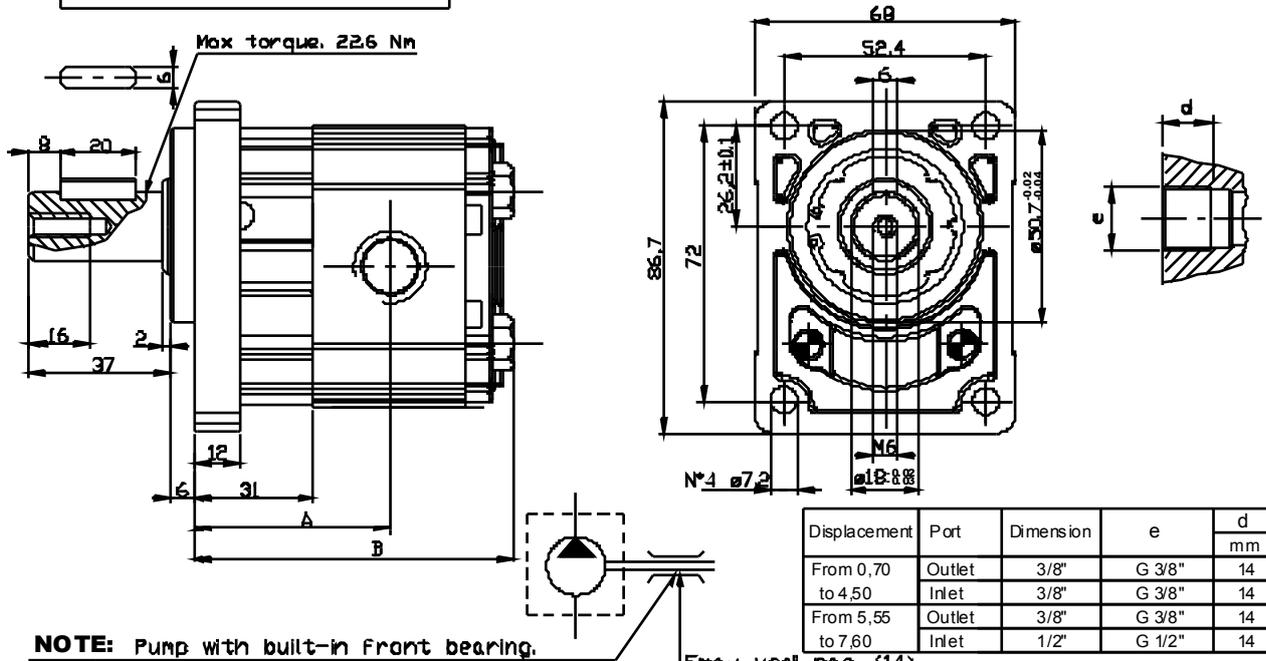
Body for European flanges

□ Screws tightening torque : 28 ± 30 Nm

▨ AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS- WITH FRONT BEARING

VERSION: G 16 T P1



NOTE: Pump with built-in front bearing.

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

F_{max} vedi pag. (14)

Type	Displacement (cc/rev)	Max working pressure P1 (bar)	Peak pressure P3 (bar)	Max speed (r.p.m)	Dimension A B (mm)		Absorbed torque at 150 bar (Nm)	Code (Anti-clockwise)	Code (Clockwise)
					A	B			
OT 100 P07	0.73	200	240	5000	49.30	82.5	1.8	PS1027112S	PS1027112D
OT 100 P11	1.05	240	280	5000	49.90	83.6	2.4	PS1027113S	PS1027113D
OT 100 P13	1.25	260	300	5000	50.60	84.3	3.2	PS1027128S	PS1027128D
OT 100 P16	1.45	260	300	5000	50.75	85.3	4.2	PS1027114S	PS1027114D
OT 100 P20	1.80	260	300	5000	51.45	86.7	5.2	PS1027115S	PS1027115D
OT 100 P25	2.50	260	300	5000	52.50	88.8	6.7	PS1027116S	PS1027116D
OT 100 P32	3.05	260	300	5000	53.50	90.8	8.3	PS1027117S	PS1027117D
OT 100 P40	3.80	260	300	4500	54.90	93.6	10.1	PS1027118S	PS1027118D
OT 100 P43	4.30	240	280	4500	55.45	95.7	12.0	PS1027127S	PS1027127D
OT 100 P49	4.50	240	280	4500	56.45	96.7	12.7	PS1027119S	PS1027119D
OT 100 P58	5.55	200	240	4000	58.00	99.8	15.0	PS1027120S	PS1027120D
OT 100 P65	6.25	190	230	3750	59.25	102.3	16.8	PS1027121S	PS1027121D
OT 100 P79	7.60	170	220	3500	61.60	107.0	20.5	PS1027122S	PS1027122D
OT 100 P99	9.90	130	170	3500	70.40	115.8	26.3	PS1027126S	PS1027126D

EXAMPLE OF ORDERING CODE

OT100 P 20 S / G / T 16 P1

Series

Pump

Displacement (see above table)

Rotation

S	Anti-clockwise
D	Clockwise

European standard flange

Pump shaft

Front bearing

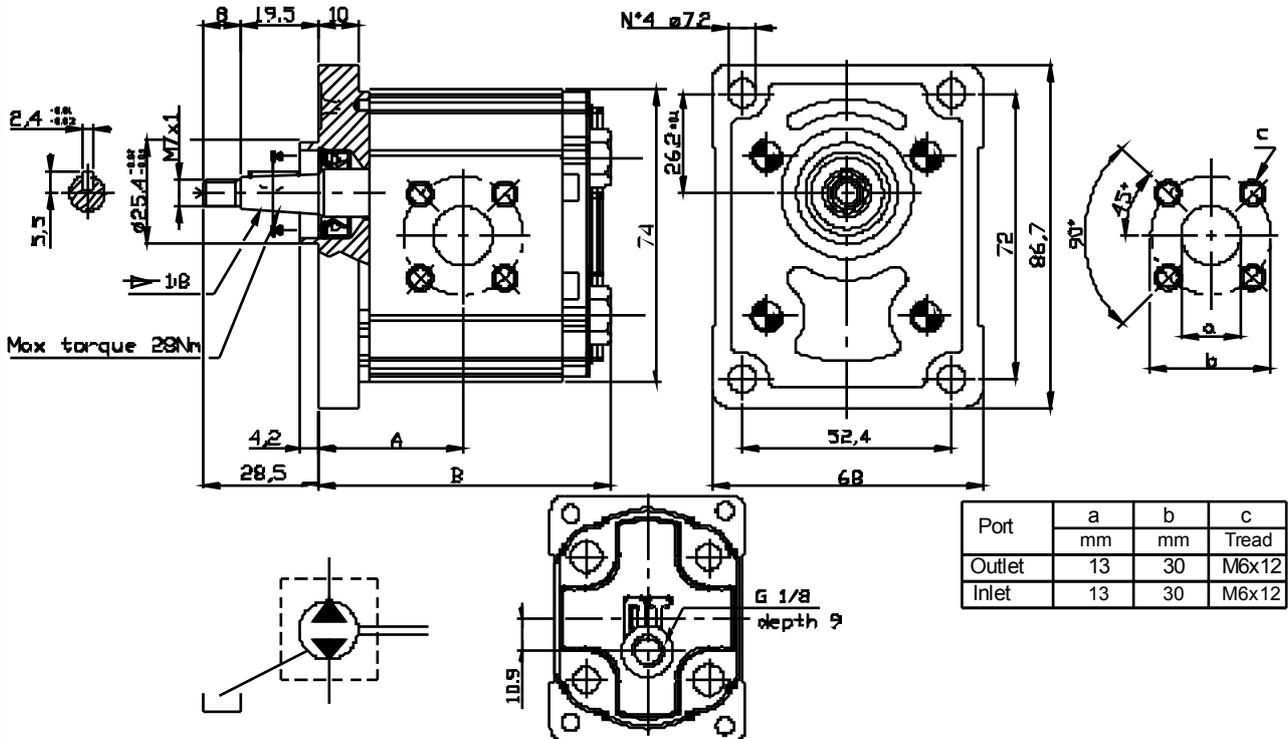
Body with threaded ports (BSP)

□ Screws tightening torque : 28 ± 30 Nm

▨ AVAILABLE FOR QUANTITIES

GROUP 1 REVERSIBLE PUMPS- EUROPEAN STANDARD

VERSION: B18 P1



Port	a mm	b mm	c Tread
Outlet	13	30	M6x12
Inlet	13	30	M6x12

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

EXAMPLE OF ORDERING CODE

OT100 P 20 R / B 18 P1

Series

Pump

Displacement (see above table)

Rotation
R Reversible

European standard flange

Taper shaft (1:8)

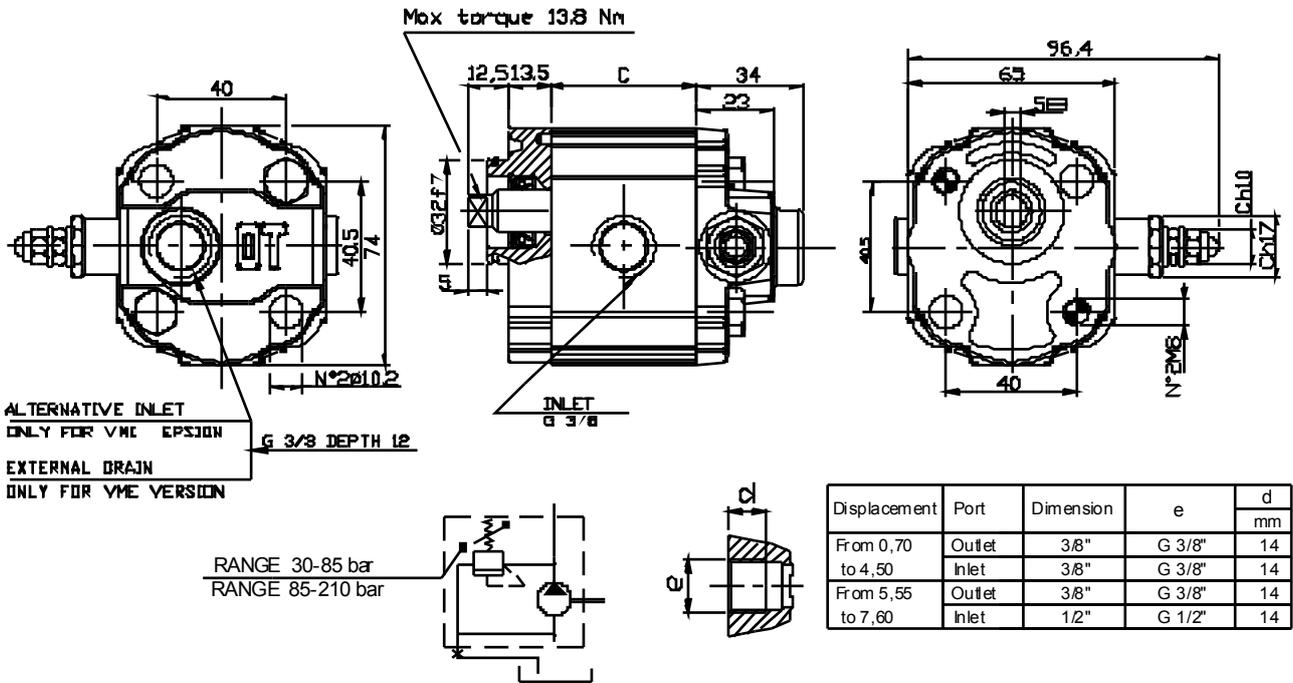
Body for European flanges

□ Screws tightening torque : 25 ± 28 Nm

▨ AVAILABLE FOR QUANTITIES

GROUP 1 PUMPS- WITH MAIN RELIEF VALVE

VERSION: G14B0-VM

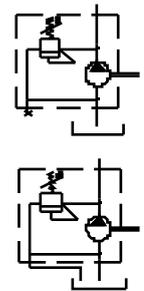


Displacement	Port	Dimension	e	d
				mm
From 0,70 to 4,50	Outlet	3/8"	G 3/8"	14
	Inlet	3/8"	G 3/8"	14
From 5,55 to 7,60	Outlet	3/8"	G 3/8"	14
	Inlet	1/2"	G 1/2"	14

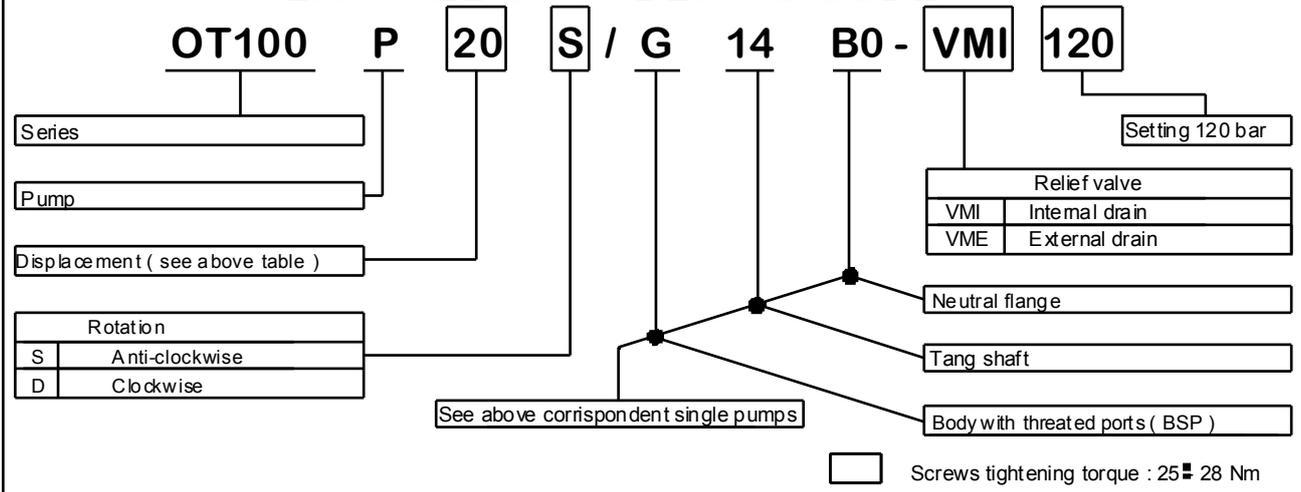
Type	Displacement (cc/rev)	Max speed (r.p.m)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)
OT 100 P07	0.73	5000	36.7	1.8
OT 100 P11	1.05	5000	37.8	2.4
OT 100 P16	1.45	5000	39.5	4.2
OT 100 P20	1.80	5000	40.9	5.2
OT 100 P26	2.45	5000	43.0	6.7
OT 100 P32	3.05	5000	45.0	8.3
OT 100 P40	3.80	4500	47.8	10.1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

AVAILABLE VERSIONS :

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

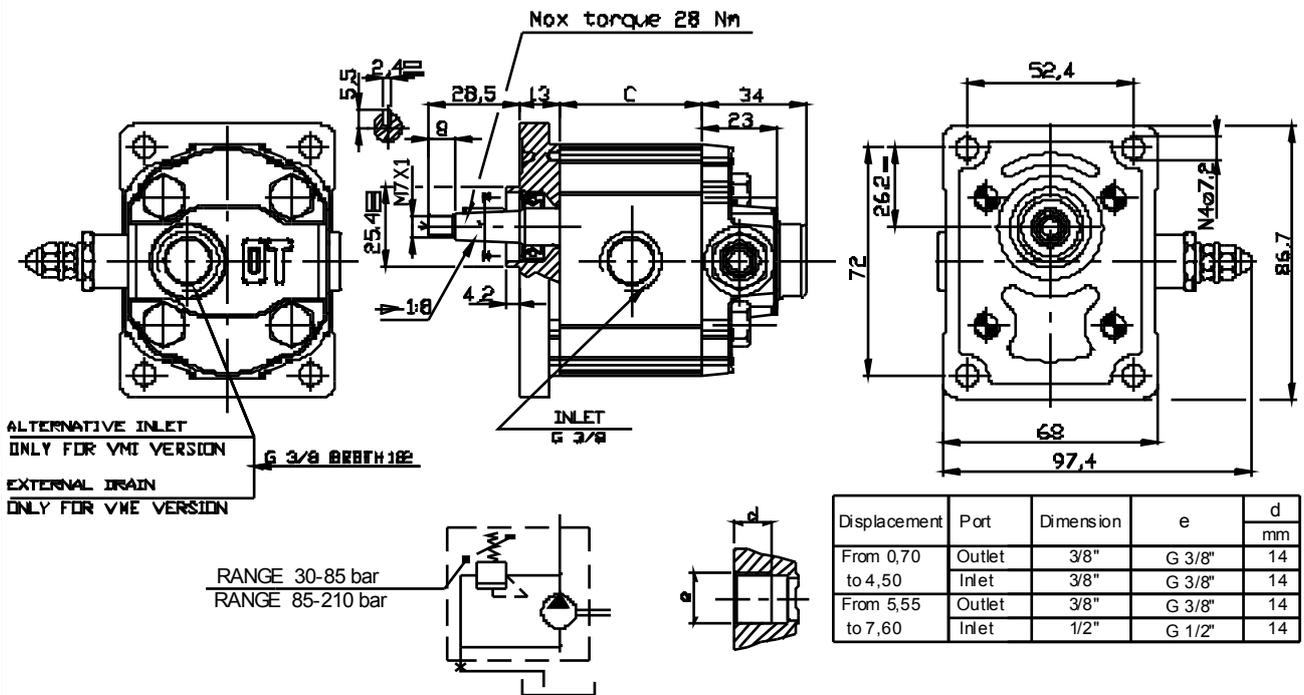


EXAMPLE OF ORDERING CODE



GROUP 1 PUMPS- WITH MAIN RELIEF VALVE

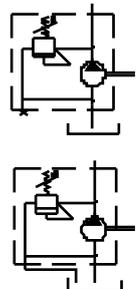
VERSION: G18P1-VM



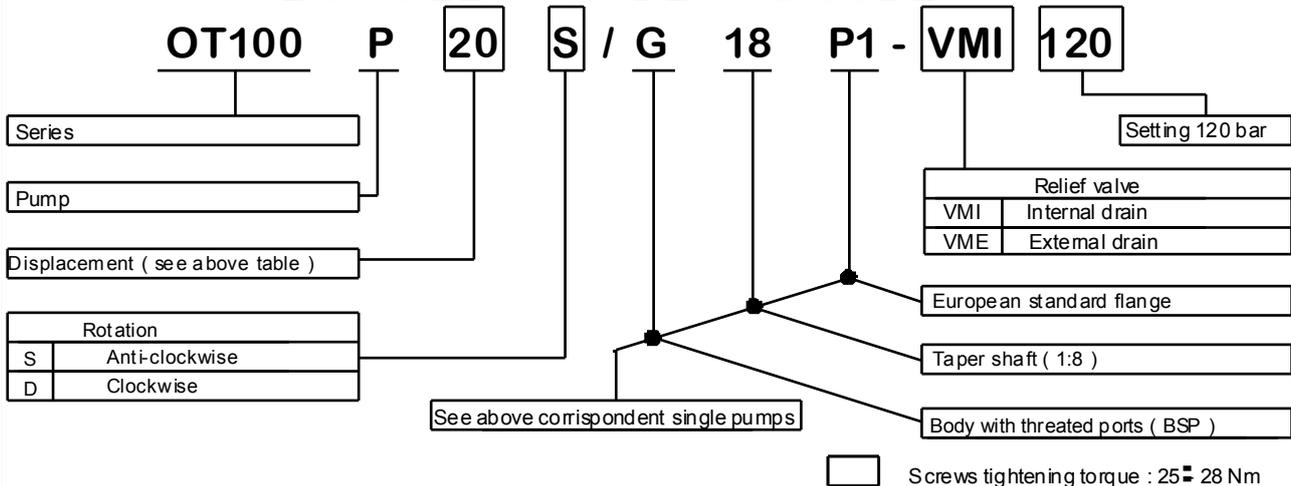
Type	Displacement (cc/rev)	Max speed (r.p.m)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)
OT 100 P07	0.73	5000	36.7	1.8
OT 100 P11	1.05	5000	37.8	2.4
OT 100 P16	1.45	5000	39.5	4.2
OT 100 P20	1.80	5000	40.9	5.2
OT 100 P26	2.45	5000	43.0	6.7
OT 100 P32	3.05	5000	45.0	8.3
OT 100 P40	3.80	4500	47.8	10.1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

AVAILABLE VERSIONS :

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

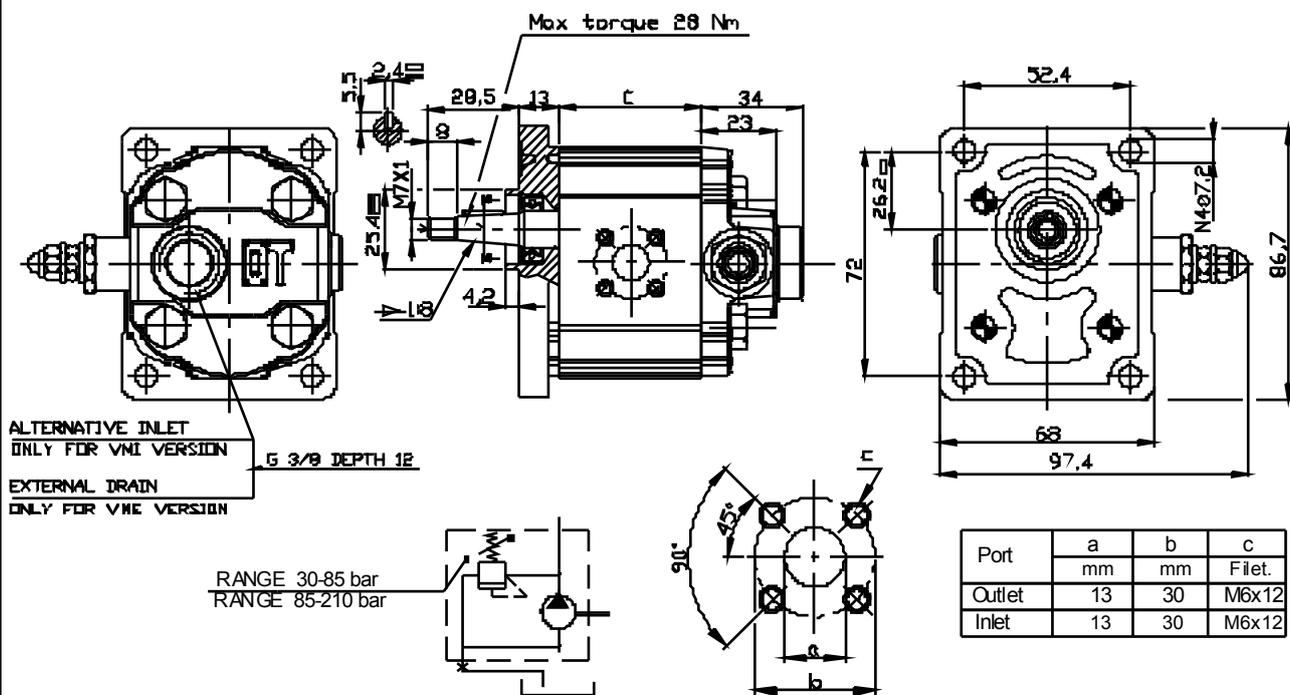


EXAMPLE OF ORDERING CODE



GROUP 1 PUMPS- WITH MAIN RELIEF VALVE

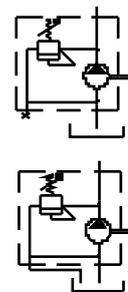
VERSION: B18P1-VM



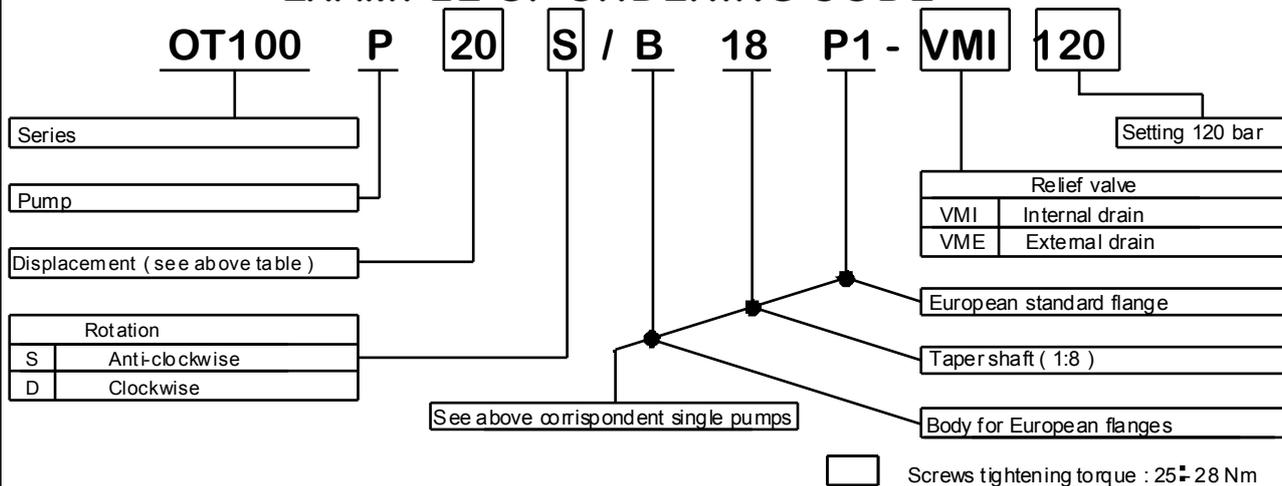
Type	Displacement (cc/rev)	Max speed (r.p.m)	Dimension B (mm)	Absorbed torque at 150 bar (Nm)
OT 100 P07	0.73	5000	36.7	1.8
OT 100 P11	1.05	5000	37.8	2.4
OT 100 P16	1.45	5000	39.5	4.2
OT 100 P20	1.80	5000	40.9	5.2
OT 100 P26	2.45	5000	43.0	6.7
OT 100 P32	3.05	5000	45.0	8.3
OT 100 P40	3.80	4500	47.8	10.1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

AVAILABLE VERSIONS :

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

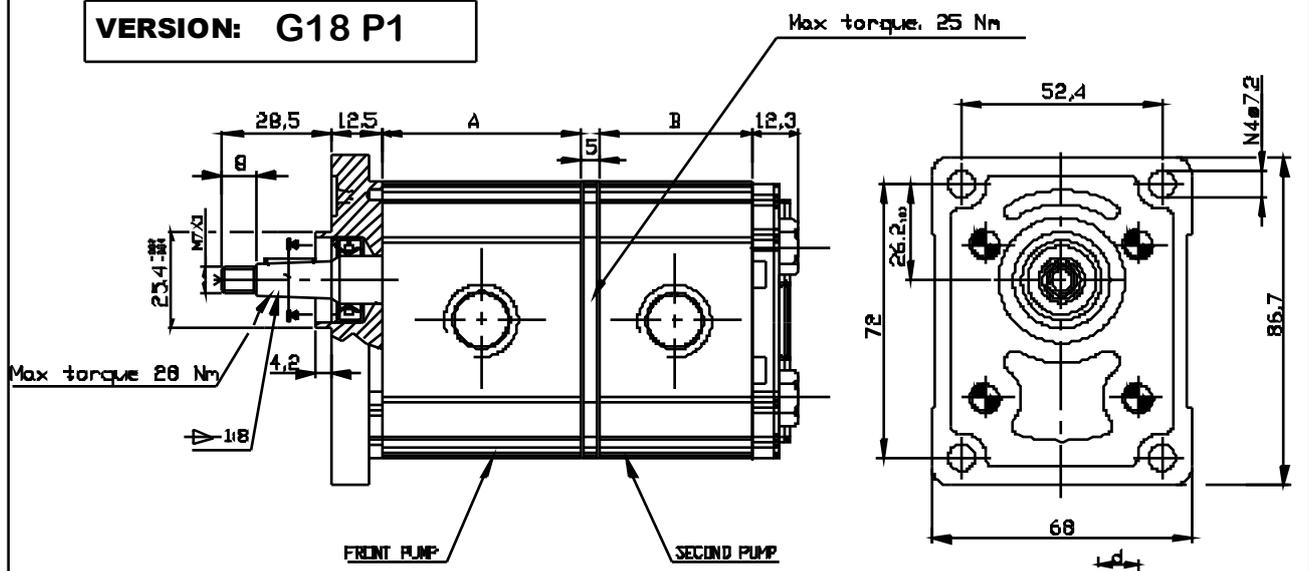


EXAMPLE OF ORDERING CODE

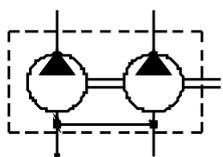


GROUP 1 PUMPS- TANDEM PUMPS

VERSION: G18 P1



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

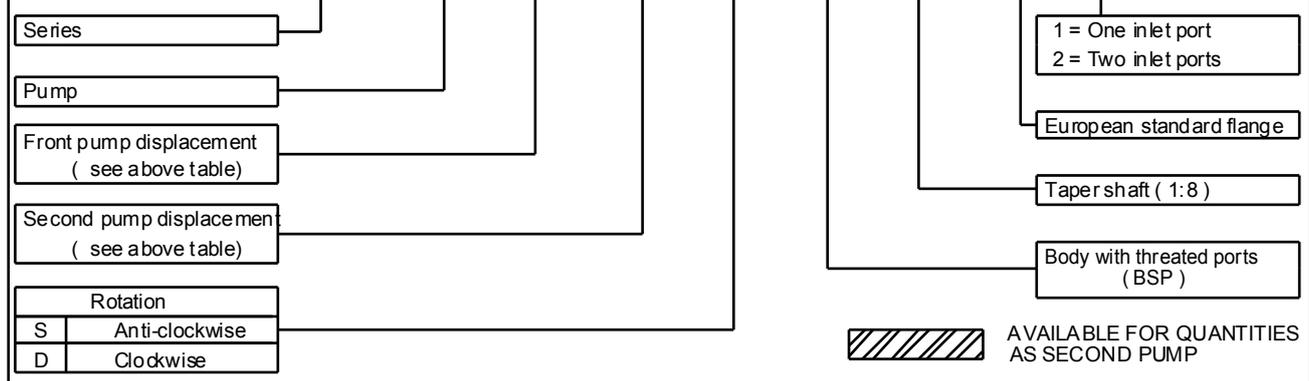


Port	Dimension	e	d
Outlet	3/8"	G 3/8"	14
Inlet	3/8" / 1/2"	G 3/8" / G1/2"	14

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

EXAMPLE OF ORDERING CODE

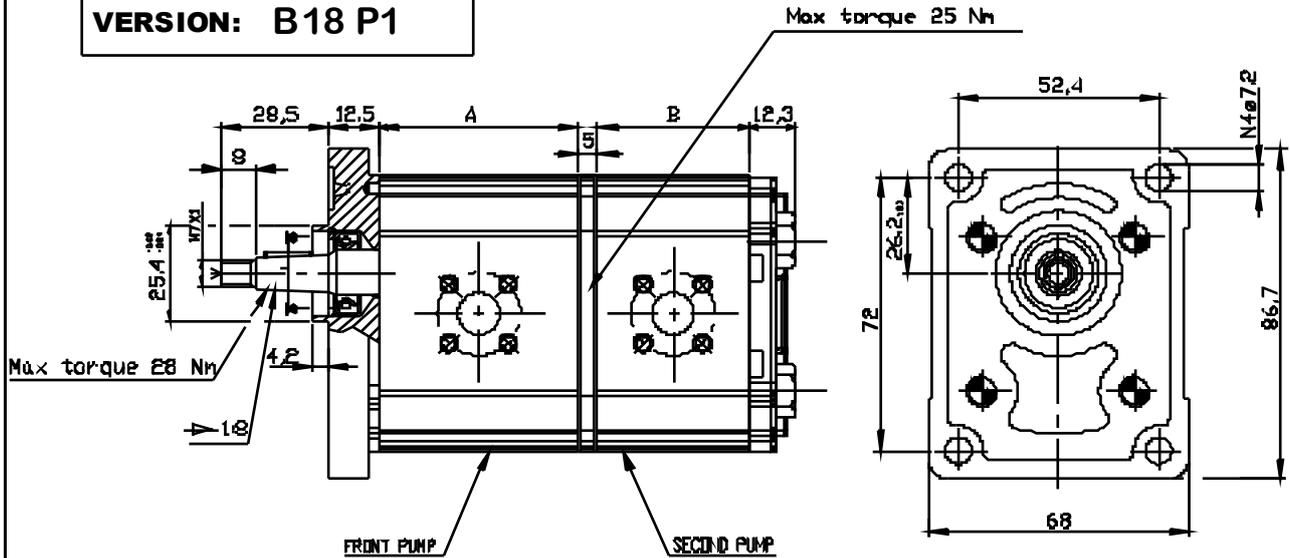
OT100 P 40 / 20 S / G 18 P1 / 2



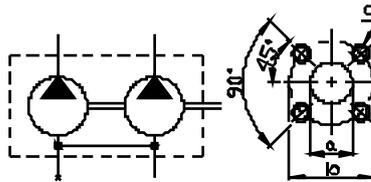
AVAILABLE FOR QUANTITIES AS SECOND PUMP

GROUP 1 PUMPS- TANDEM PUMPS

VERSION: B18 P1



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

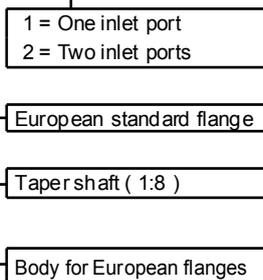
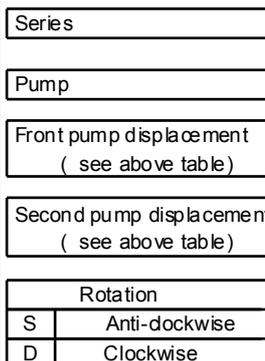


Port	a	b	c
	mm	mm	Tread
Outlet	13	30	M6x12
Inlet	13	30	M6x12

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

EXAMPLE OF ORDERING CODE

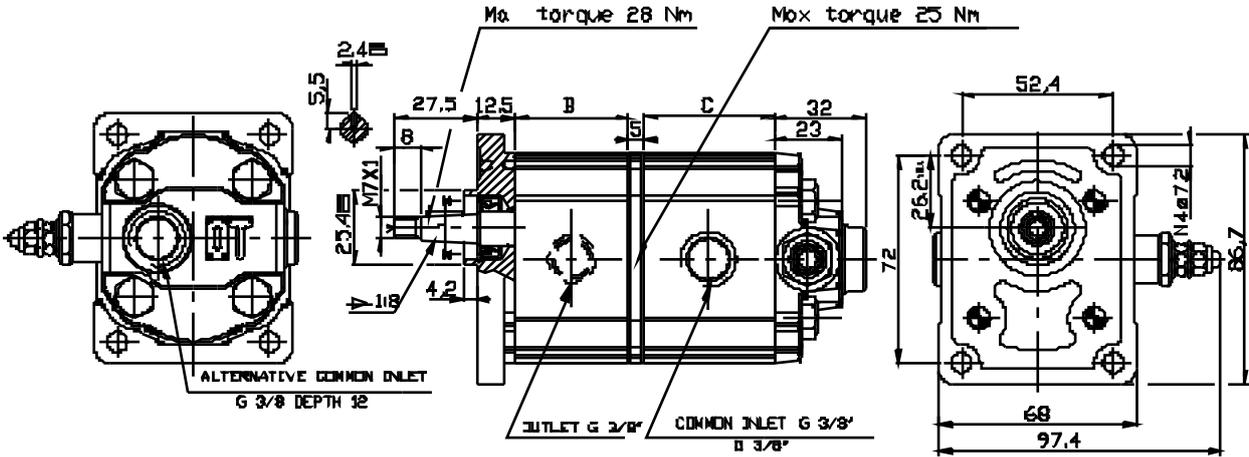
OT100 P 40 / 20 S / B 18 P1 / 2



AVAILABLE FOR QUANTITIES AS SECOND PUMP

GROUP 1 PUMPS- TANDEM WITH SEQUENCE VALVE HI-LOW

VERSION: G18 P1-SV

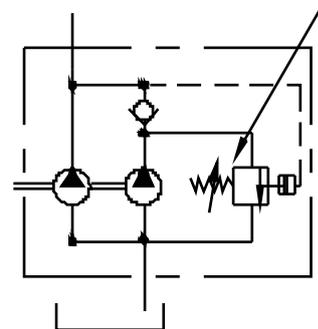


FRONT PUMP				
TIPO	P1	P3	B	Cy
DT 100 P11	240	280	37.8	1.05
DT 100 P16	260	300	39.5	1.45
DT 100 P20	260	300	40.9	1.80
DT 100 P26	260	300	43	2.45
DT 100 P32	260	300	40.9	3.05
DT 100 P40	260	300	43	3.80

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

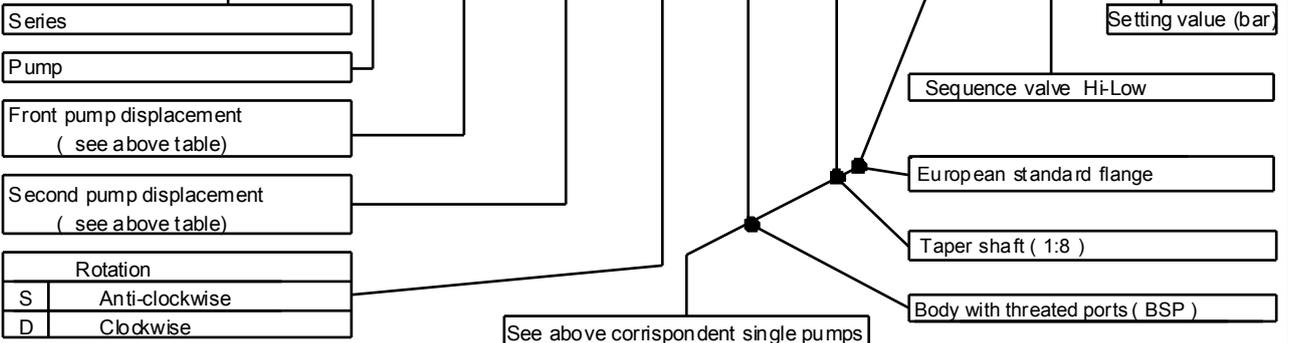
P1 = working pressure (bar)
 P3 = peak pressure (bar)
 Cy = displacement (cc/rev)

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



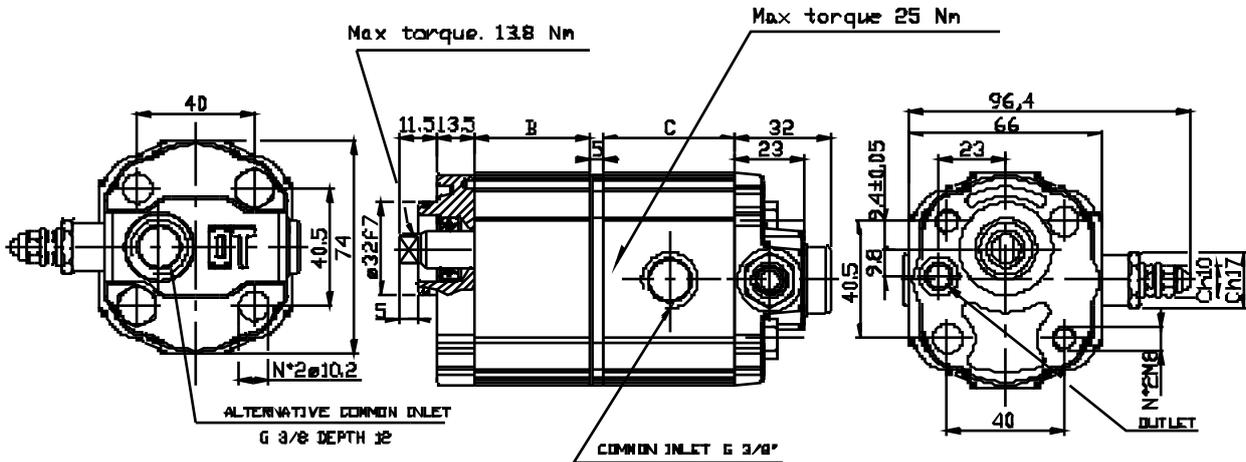
EXAMPLE OF ORDERING CODE

OT100 P 11 / 49 S / G 18 P1 - SV 30



GROUP 1 PUMPS- TANDEM WITH SEQUENCE VALVE HI-LOW

VERSION: N14 B1-SV



FRONT PUMP

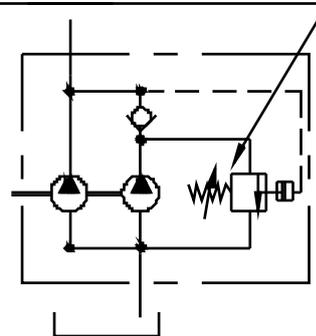
TIPO	P1	P3	B	Cy
QT 100 P11	240	280	37.8	1.05
QT 100 P16	260	300	39.5	1.45
QT 100 P20	260	300	40.9	1.80
QT 100 P26	260	300	43	2.45
QT 100 P32	260	300	40.9	3.05
QT 100 P40	260	300	43	3.80

SECOND PUMP

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

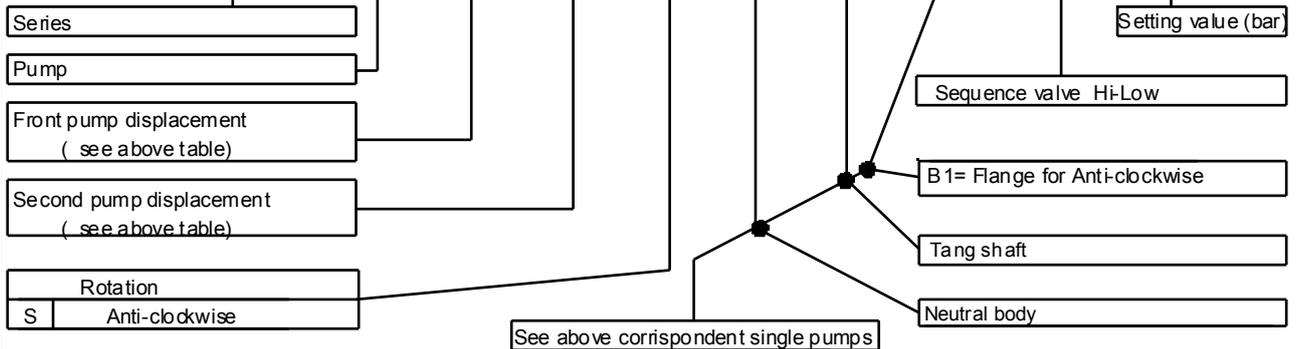
P1 = work pressure (bar)
 P3 = peak pressure (bar)
 Cy = displacement (cc/rev)

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



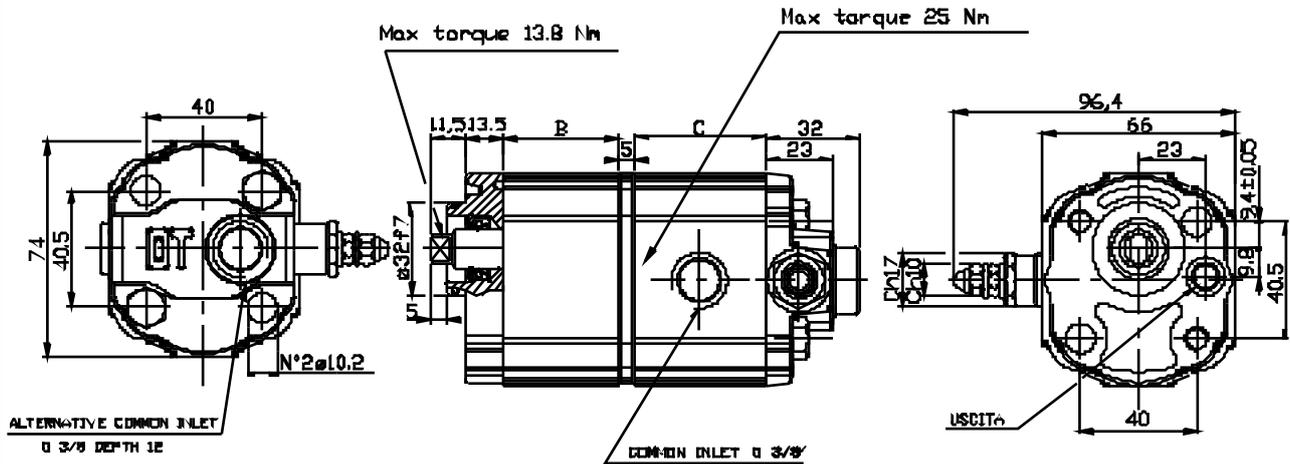
EXAMPLE OF ORDERING CODE

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



GROUP 1 PUMPS- WITH SEQUENCE VALVE HI-LOW

VERSION: N14 B2-VS

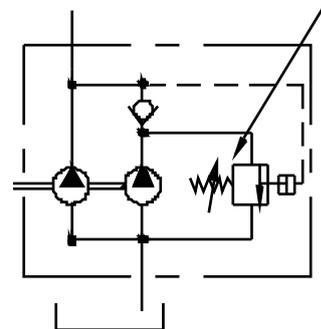


FRONT PUMP				
TIPO	P1	P3	B	Cy
OT 100 P11	240	280	37.8	1.05
OT 100 P16	260	300	39.5	1.45
OT 100 P20	260	300	40.9	1.80
OT 100 P26	260	300	43	2.45
OT 100 P32	260	300	40.9	3.05
OT 100 P40	260	300	43	3.80

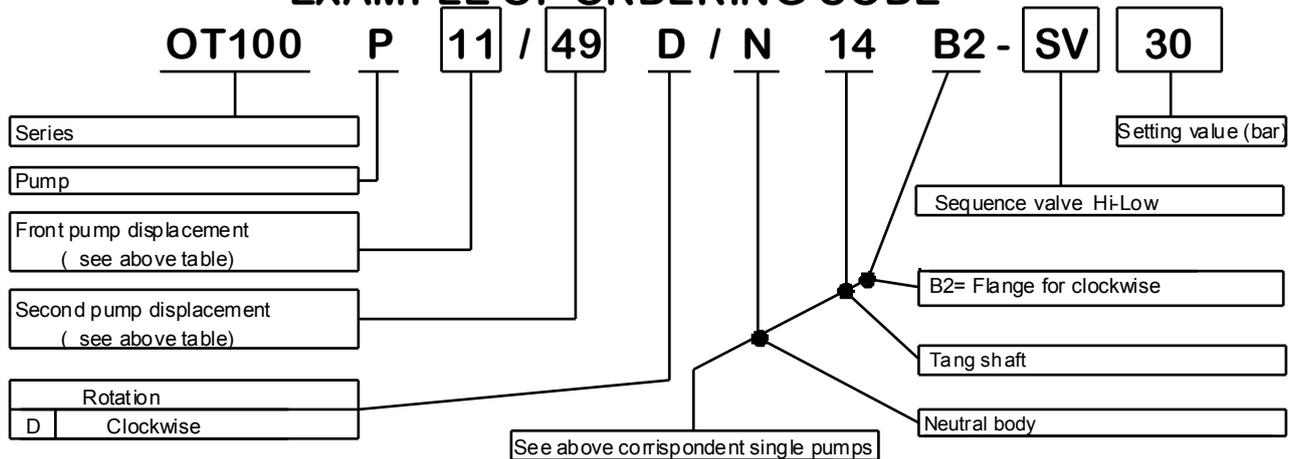
SECOND PUMP			
TIPO	P1	C	Cy
OT 100 P26	15/55	43	2.4
OT 100 P40	15/55	47.8	3.8
OT 100 P49	15/55	50.9	4.6
OT 100 P65	15/55	50.9	6.2

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

RANGE 15/25 bar (blue spring)
 RANGE 27/65 bar (red spring)



EXAMPLE OF ORDERING CODE



GROUP 1 MOTORS

OT100 SINGLE ROTATION MOTORS GENERAL DATA

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

P1= Max. continuous pressure

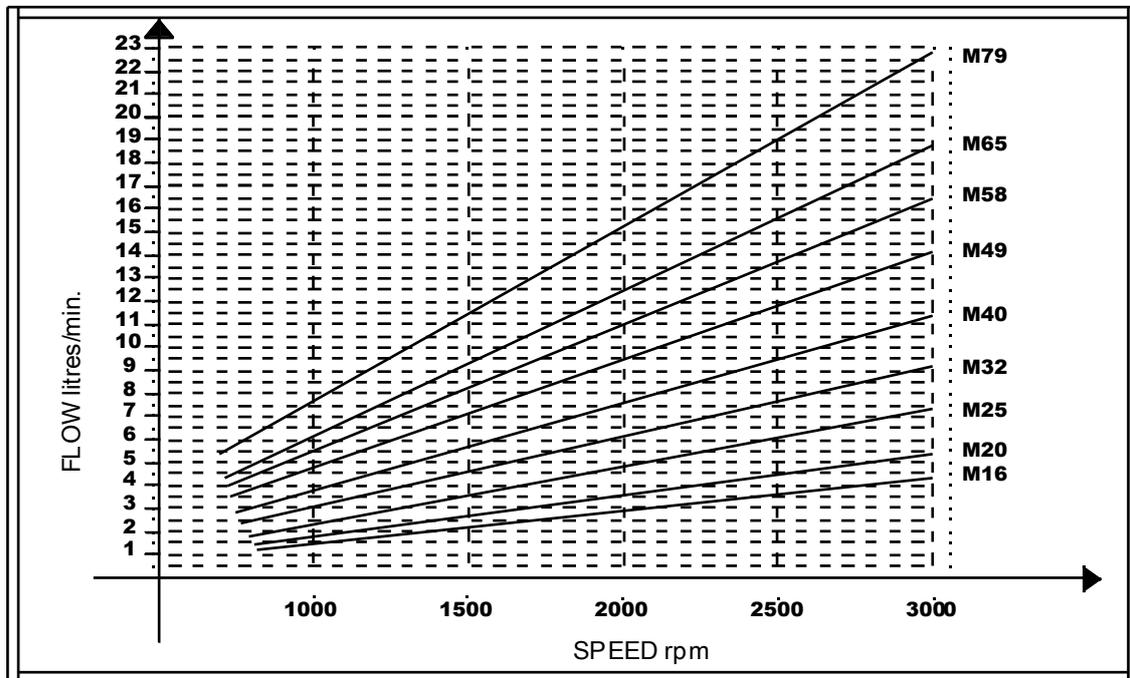
P2= Max. intermittent pressure

P3= Max. peak pressure

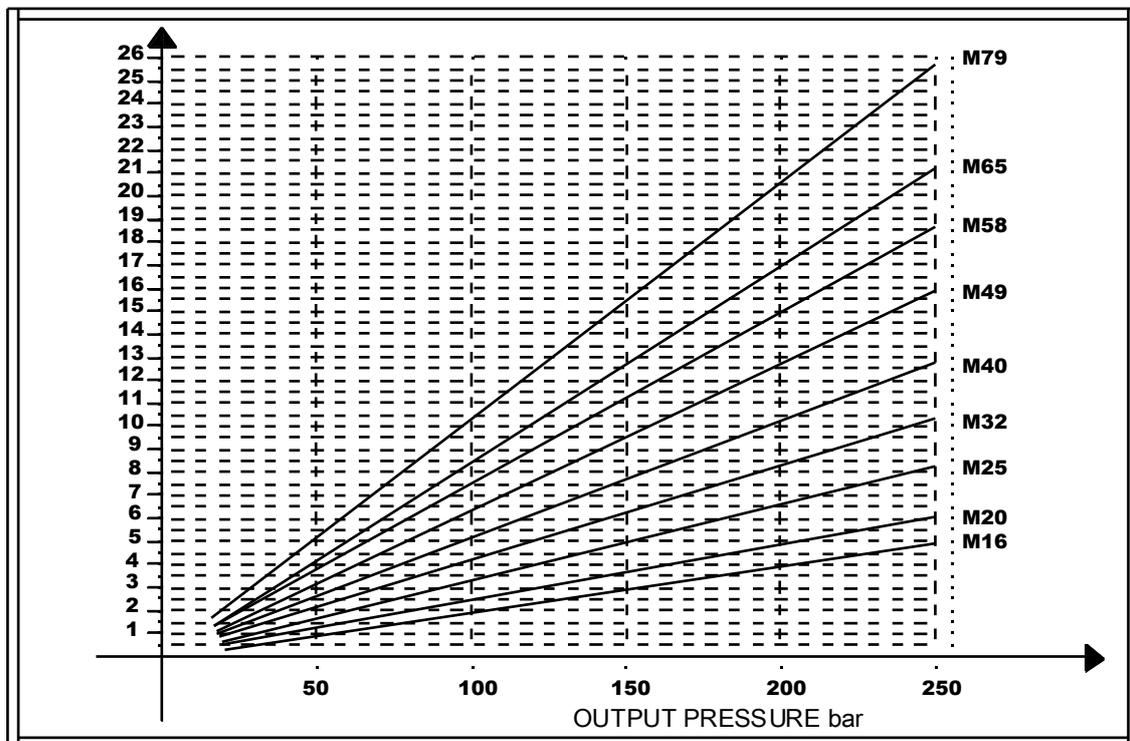
**FOR DIMENSION PLEASE CHECK
RELATIVE SINGLE PUMP TABLES**

GROUP 1 MOTORS

FLOW CHARACTERISTICS CURVES



ABSORBED TORQUE



NOTE

The flow characteristics curves have been made at P1 pressure.

GROUP 1 MOTORS

MOTOR CALCULATION

V	Displacement	cc/rev
Q	Flow	l/min
P	Power	kW
C	Torque	N · m
N	Speed	rpm
ΔP	Pressure	bar
n_v	Volumetric efficiency	0.95
n_m	Mechanical efficiency	0.85
n_t	Total efficiency	0.81

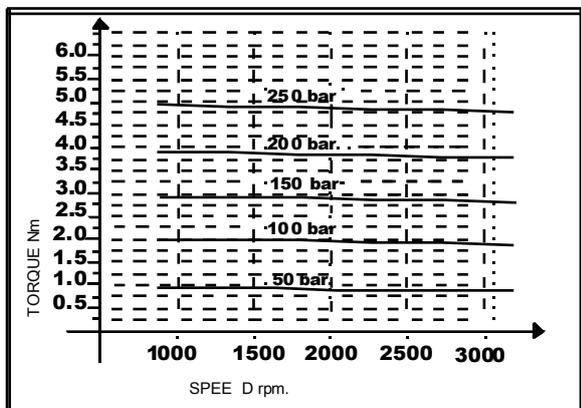
$$Q = \frac{V \cdot N \cdot 10^{-3}}{n_v} \quad \text{l/min}$$

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

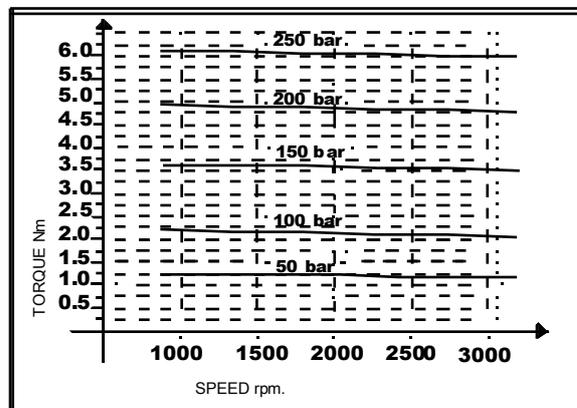
$$P = \frac{\Delta P \cdot V \cdot N \cdot n_t}{612000} \quad \text{kW}$$

GROUP 1 MOTORS - TORQUE CHARACTERISTICS CURVES

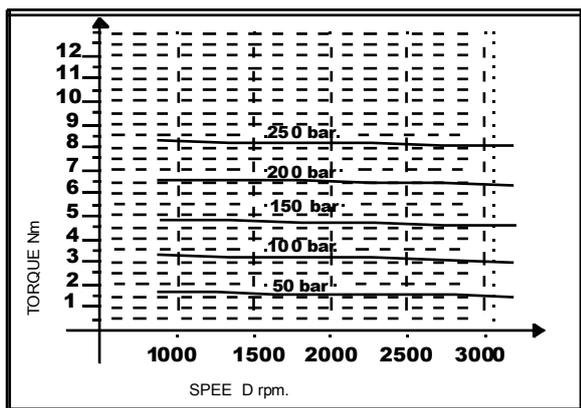
MOTORS OT100 M16



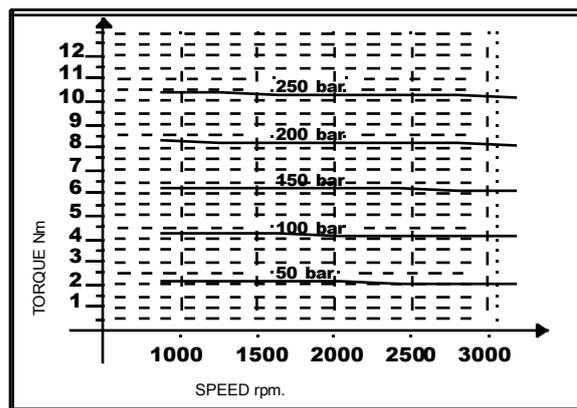
MOTORS OT100 M20



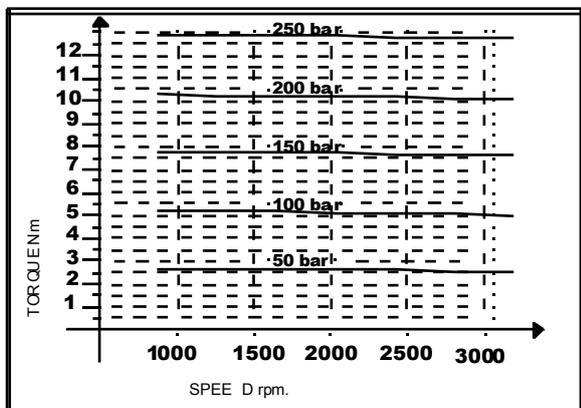
MOTORS OT100 M25



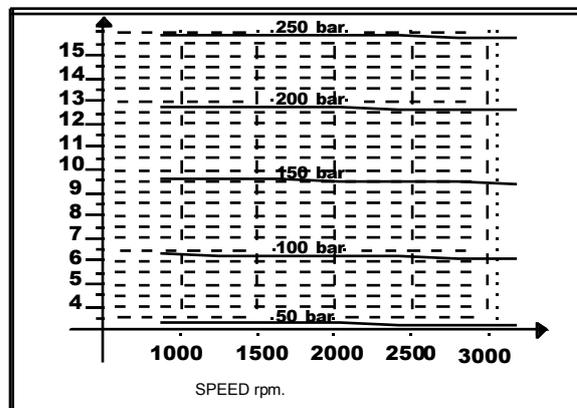
MOTORS OT100 M32



MOTORS OT100 M40

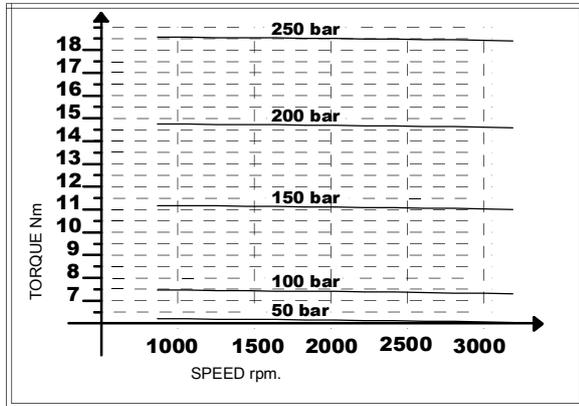


MOTORS OT100 M49

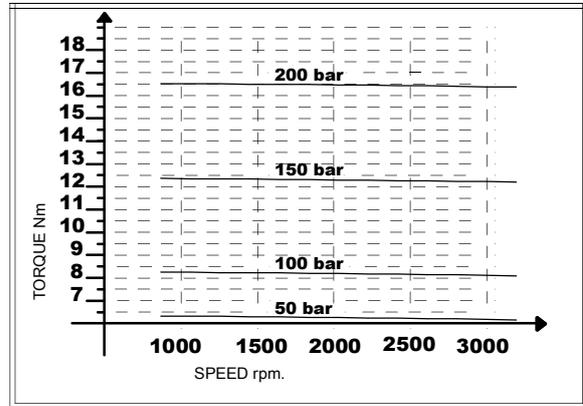


GROUP 1 MOTORS - TORQUE CHARACTERISTICS CURVES

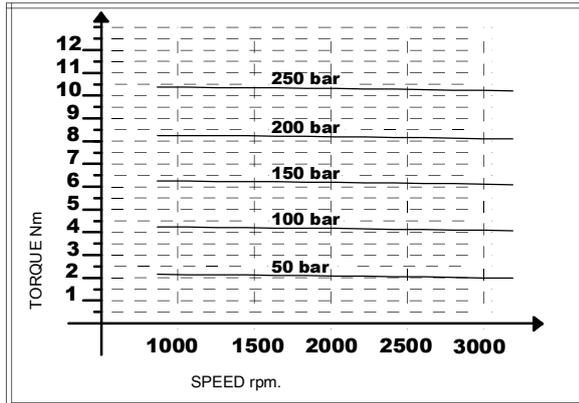
MOTORS OT100 M58



MOTORS OT100 M65

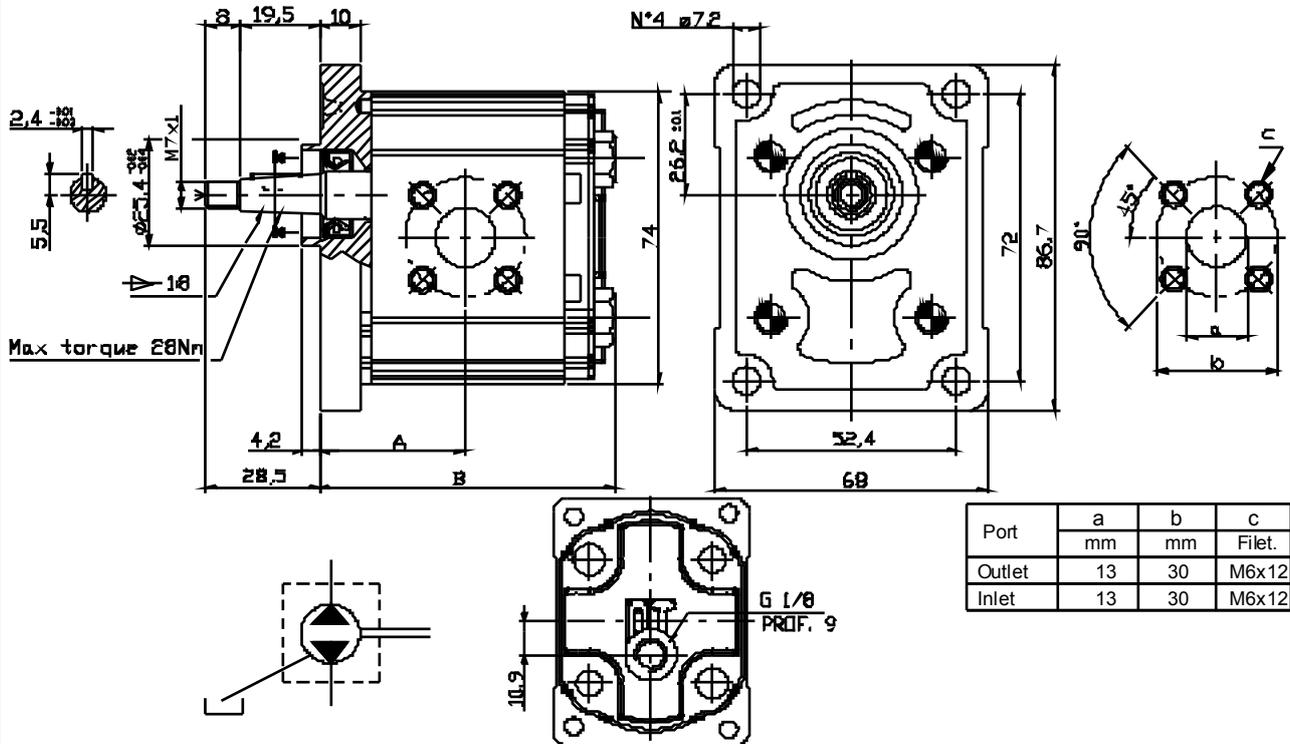


MOTORS OT100 M79



GROUP 1 REVERSIBLE MOTORS - EUROPEAN STANDARD

VERSION: B18 P1

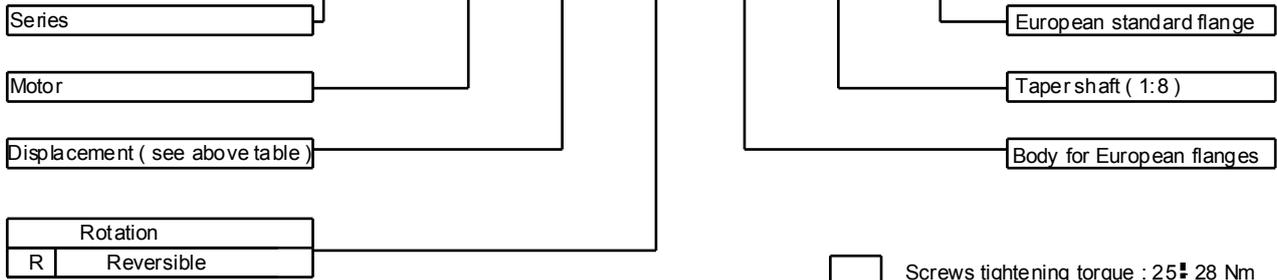


Displacement

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

EXAMPLE OF ORDERING CODE

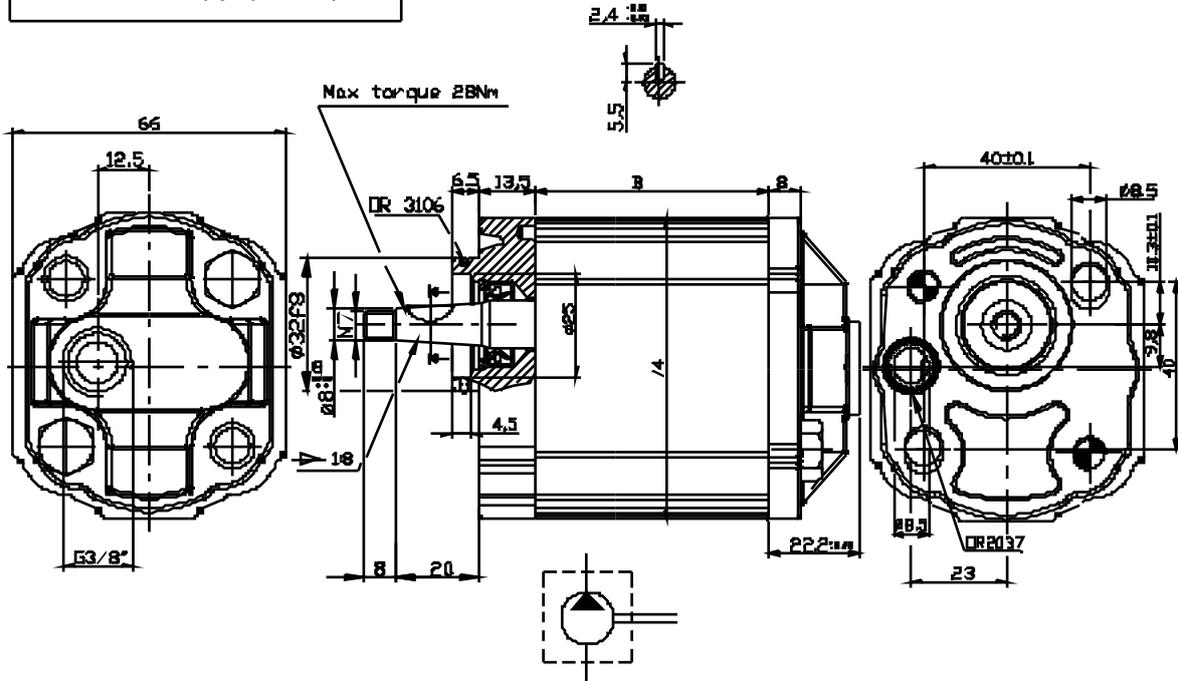
OT100 M 20 R / B 18 P1



□ Screws tightening torque : 25 ± 28 Nm

GROUP 1 PUMPS- SPECIAL VERSION FOR POWER UNITS

VERSION: N 18 B1



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

EXAMPLE OF ORDERING CODE

OT100 P 20 S / N 18 B1

Series

Pump

Displacement (see above table)

Rotation

S Anti-clockwise

B1 = Flange for Anti-clockwise

Taper shaft (1:8)

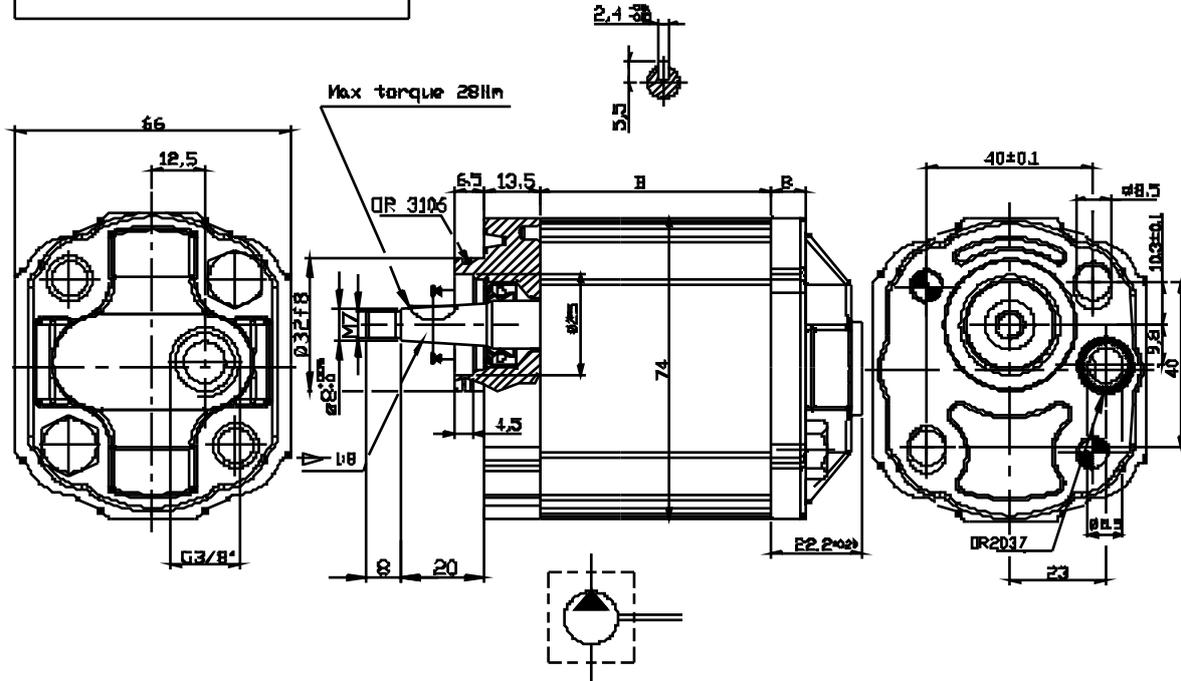
Body without ports

 Screws tightening torque : 28 ± 30 Nm

GROUP 1 PUMPS

SPECIAL VERSION FOR POWER UNITS

VERSION: N 18 B2



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

EXAMPLE OF ORDERING CODE

OT100 P 20 D / N 18 B2

Series

Pump

Displacement (see above table)

Rotation

D clockwise

B2= Flange for clockwise

Taper shaft (1:8)

Body without ports

□ Screws tightening torque : 28 ± 30 Nm