

POMPE AD INGRANAGGI 3 FORI-UNI 1° POMPA

3 HOLES-UNI HYDRAULIC GEAR PUMPS

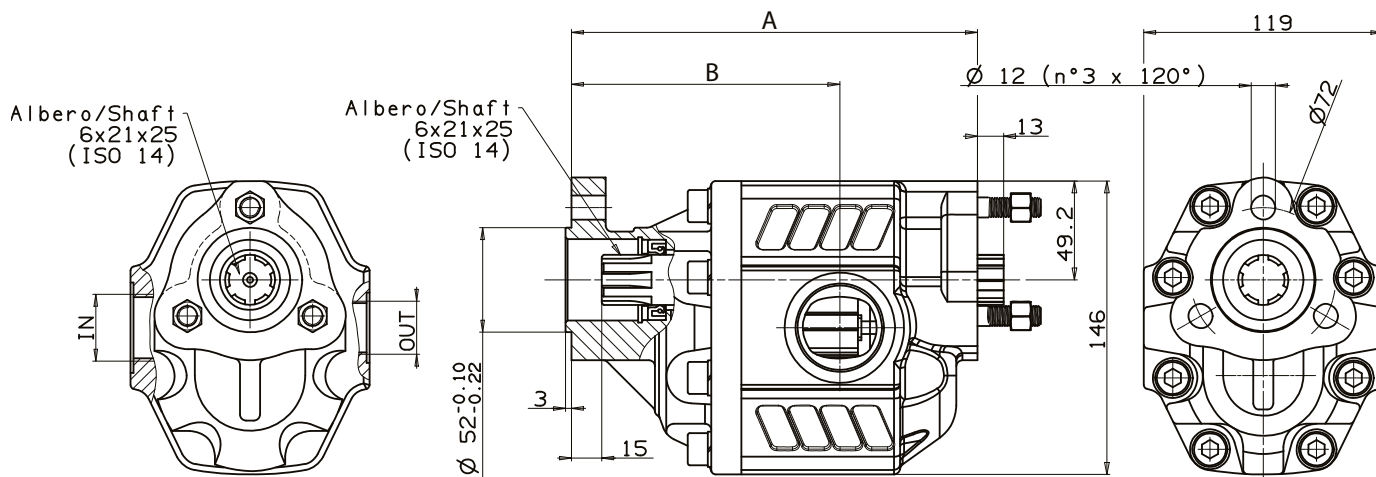
CODICE FAMIGLIA
FAMILY CODE

105-023

TANDEM NPH UNI



Fluido idraulico Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -10	-10÷10	10÷35	> 35
	VG (cSt = mm²/s)	22	32	46	68
Viscosità cinematica ottimale di esercizio Optimale kinematic viscosity			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento Max kinematic viscosity suggested at the start-up			VG= 750 cSt		
Indice di viscosità consigliato Viscosity index suggested		VI > 100	Temperatura di esercizio Working temperature		
			-15°C +100°C		
Grado di filtrazione Oil filtering			> 200 bar: 10 µm < 200 bar: 25 µm		
Pressione di aspirazione Inlet pressure			-0,3 ÷ 2 bar		
Senso di rotazione Pump rotation			Unidirezionale (DX o SX) Unidirectional (Right or Left)		



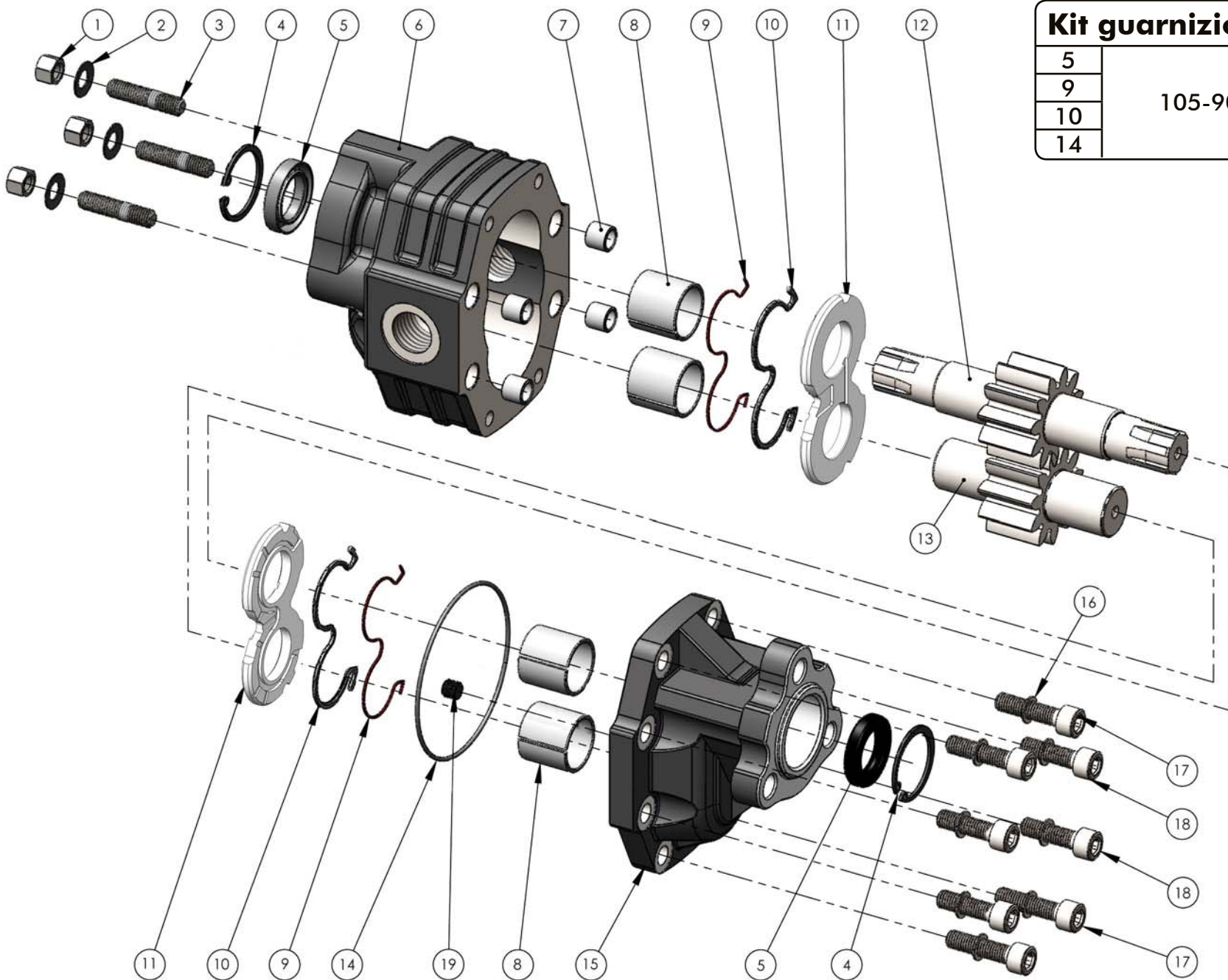
Tipo pompa Pump type	Rotazione Rotation		IN ISO 228	OUT ISO 228	A mm	B mm	Peso Weight Kg
	Destra Right	Sinistra Left					
NPH-17	105-023-00171	105-023-00180	G 1/2		164	103	9.6
NPH-22	105-023-00224	105-023-00233			167.5	105.5	9.8
NPH-27	105-023-00279	105-023-00288			170	108	10.1
NPH-34	105-023-00340	105-023-00359	G 3/4		175	108	10.5
NPH-43	105-023-00439	105-023-00448			181	114	11.02
NPH-51	105-023-00519	105-023-00528			186	114.5	11.3
NPH-61	105-023-00617	105-023-00626	G 1		192	120.5	11.8
NPH-73	105-023-00733	105-023-00742			200	119.5	12.4
NPH-82	105-023-00822	105-023-00831	G 1 1/4		205	126.5	12.6

PREDISPOSTA PER 2ª POMPA CON FLANGIA UNI
READY FOR 2ND PUMP WITH UNI FLANGE

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Kit guarnizioni / Seal Kit

5	105-900-00259
9	
10	
14	



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QUALITY SYSTEM
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O.M.F.B. S.p.A. Hydraulic Components
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N° N°	17	22	27	34	43	51	61	73	82	Codice P. Number	Descrizione Description		Quantità Quantity
1	•	•	•	•	•	•	•	•	•	505-004-00014	Dado M10 CH14 H10	Nut M10 CH14 H10	3
2	•	•	•	•	•	•	•	•	•	501-018-00105	Rondella elastica	Washer	3
3	•	•	•	•	•	•	•	•	•	503-004-00198	Prigioniero M10x30	Stud bolt M10x30	3
4	•	•	•	•	•	•	•	•	•	501-001-00373	Anello seeger	Seeger ring	2
5	•	•	•	•	•	•	•	•	•	506-024-25401	Guarnizione paraolio	Oil seal	2
6	•									517-009-00175	Corpo pompa	Gear housing	1
		•								517-009-00228			
			•							517-009-00273			
				•						517-009-00344			
					•					517-009-00433			
						•				517-009-00513			
							•			517-009-00611			
7	•	•	•	•	•	•	•	•	•	501-003-00282	Spine forate di centraggio 14x12.5	Pins 14x12.5	4
8	•	•	•	•	•	•	•	•	•	533-004-00033	Boccola autolub. 28x32x30	Bushing 28x32x30	4
9	•	•	•	•	•	•	•	•	•	506-000-01097	Guarnizione antiestrusione	Back-up ring	2
10	•	•	•	•	•	•	•	•	•	506-000-01088	Guarnizione per rasamento	Thrust plate seal	2
11	•	•	•	•	•	•	•	•	•	510-010-00293	Rasamento ad occhiale	Thrust plate	2
12	•									523-022-00176	Albero dentato conduttore	Drive shaft	1
		•								523-022-00229			
			•							523-022-00274			
				•						523-022-00345			
					•					523-022-00434			
						•				523-022-00514			
							•			523-022-00612			
13	•									523-022-00710	Albero dentato condotto	Driven shaft	1
		•								523-022-00827			
			•							523-024-00174			
				•						523-024-00227			
					•					523-024-00272			
						•				523-024-00343			
							•			523-024-00432			
14	•	•	•	•	•	•	•	•	•	506-000-01579	Guarnizione OR	O-ring	1
	•	•	•	•	•	•	•	•	•	518-003-00107	Coperchio anteriore	Mounting cover	1
	•	•	•	•	•	•	•	•	•	501-020-00101	Rondella elastica	Washer	8
17	•	•	•	•	•	•				502-004-00574	Vite TCE M10x40	Screw M10x40	8
							•	•	•				4
18							•	•	•	502-004-00565	Vite TCE M10x35	Screw M10x35	4
19	•	•	•	•	•	•	•	•	•	504-010-00063	Grano conico 1/8"	Plug 1/8"	1

CARATTERISTICHE TECNICHE DI FUNZIONAMENTO - TECHNICAL FEATURES

Tipo pompa <i>Pump type</i>	Cilindrata <i>Displacement</i>	Pressione <i>Pressure</i>			Velocità max. continua <i>Max. continuous speed</i>	Velocità max. intermittente <i>Max. intermittent speed</i>	Velocità min. <i>Min. speed</i>
		P1	P2	P3			
		cm ³ /rev	bar	bar			
NPH-17	17.04	290	315	325	2500	3000	300
NPH-22	22.15						
NPH-27	26.18						
NPH-34	33.88	280	300	310	2200	2800	
NPH-43	43.12	270	290	300	2000	2500	
NPH-51	50.82	240	260	280			
NPH-61	60.06	220	240	250	1800	2000	
NPH-73	72.88	200	220	230	1600	1800	
NPH-82	81.08	190	210	220	1500		

P1=Pressione max.continua

Max. continuous pressure

(100%)

P2=Pressione max. intermittente

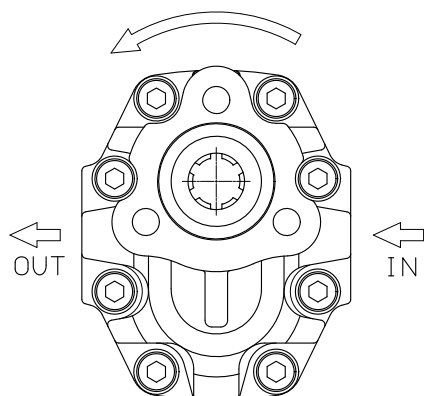
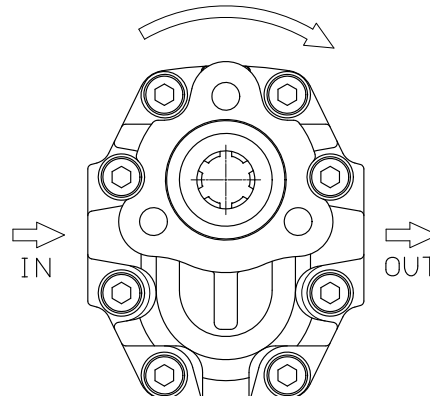
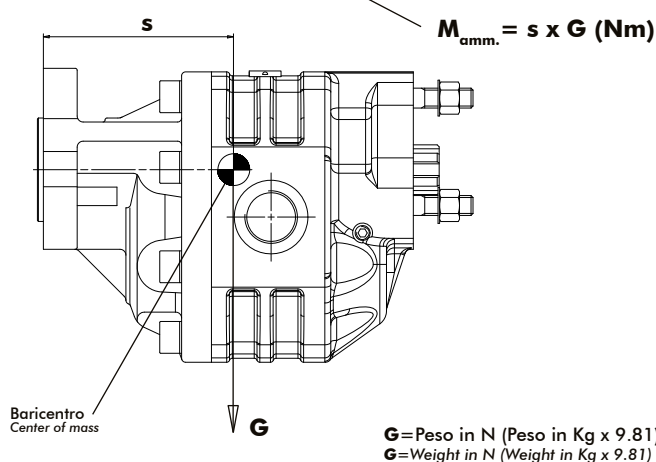
Max. Intermittent pressure

(20 sec.max.)

P3=Pressione max. di punta

Max. peak pressure

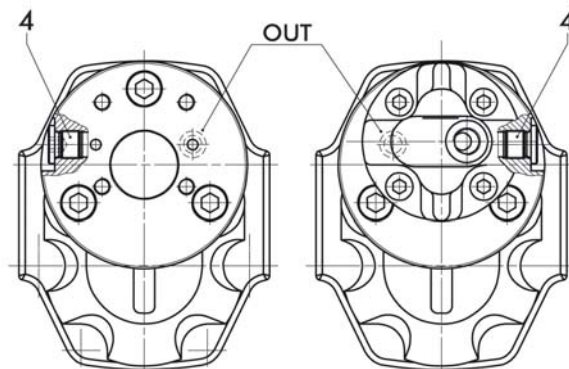
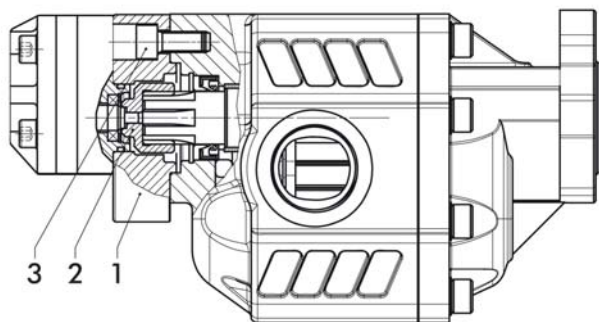
(6 sec.max)

SENSO DI ROTAZIONE POMPA - DIRECTION OF ROTATION**Rotazione antioraria, pompa sinistra**
Anti-clockwise rotation, left pumpVista FRONTALE
FRONT**Rotazione oraria, pompa destra**
Clockwise rotation, right pumpVista FRONTALE
FRONT**MOMENTO PESO / MASS MOMENT**

Tipo pompa - Pump type	S
NPH-17	95
NPH-22	97
NPH-27	99
NPH-34	101
NPH-43	104
NPH-51	107
NPH-61	111
NPH-73	115
NPH-82	119

PER MODIFICARE IL SENSO DI ROTAZIONE VEDERE ISTRUZ. 997-2-60

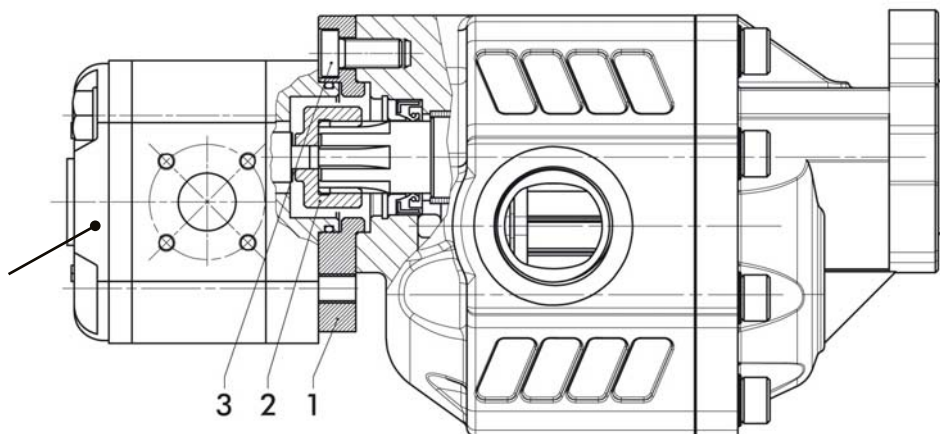
TO CHANGE THE DIRECTION OF ROTATION SEE INSTRUCTION 997-2-60

Pompe 1P
1P pumpsMontaggio pompa 1P Dx
Mounting pump 1P RMontaggio pompa 1P Sx
Mounting pump 1P L**Kit montaggio codice: 105-020-00101**
Mounting kit:**Coppia max.**
Max. torque 21,5 Nm

Pos.	Codice Code	Descrizione Description	Q.tà Q.ty
1	528-007-00817	Flangia per montaggio pompe 1P Destra/Sinistra Mounting flange for pumps 1P Left/Right	1
2	114-004-00853	Manicotto Coupling	1
3	502-004-00538	Vite TCE M10x22 UNI 5931 CL 12.9 Hex head screw M10x22 UNI 5931 CL 12.9	3
4	115-006-00117	Tappo TCE 1/4" DIN 908 Hex head plug 1/4" DIN 908	1

Pompe 2P
2P pumps**L'applicazione è da utilizzare solo con le pompe:**
The assembly should be used only with the following pumps:

149-200-09433 4cc destra/right
 149-200-09442 4cc sinistra/left
 149-200-09451 6cc destra/right
 149-200-09460 6cc sinistra/left

**Kit montaggio codice: 105-020-00209**
Mounting kit:**Coppia max.**
Max. torque 70 Nm

Pos.	Codice Code	Descrizione Description	Q.tà Q.ty
1	528-007-00808	Flangia per montaggio pompe 2P Mounting flange for pumps 2P	1
2	114-004-00844	Manicotto Coupling	1
3	502-000-00149	Vite TCE M10x22 DIN 7984 CL 10.9 Hex head screw M10x22 DIN 7984 CL 10.9	3