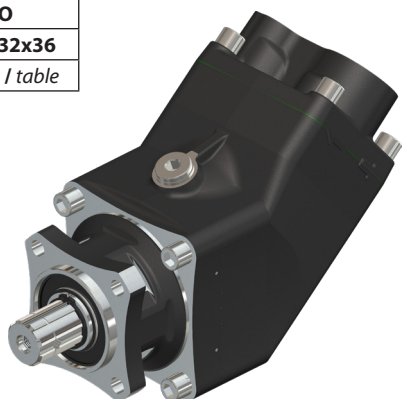


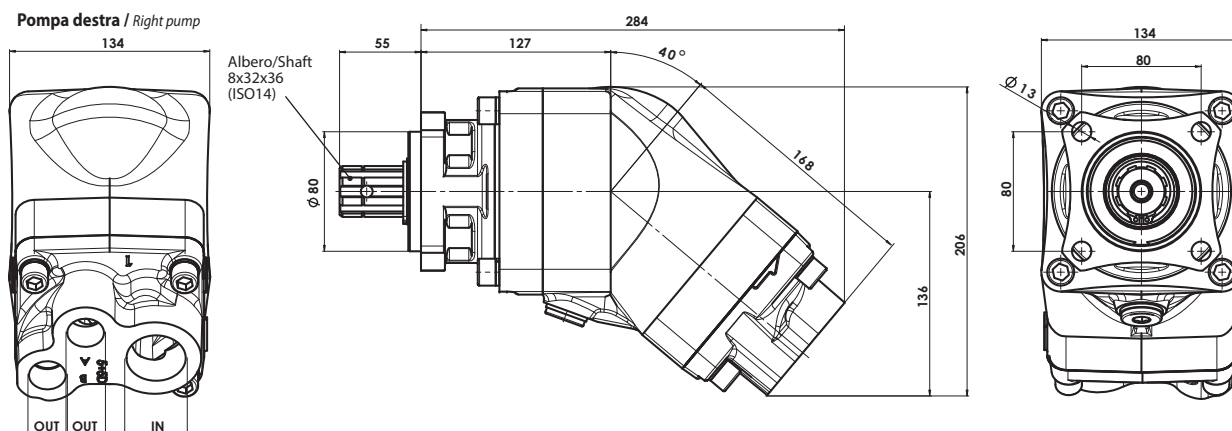
Flangia / Flange	ISO
Albero / Shaft	ISO 8x32x36
Cilin. / Displ.	tabella / table



Fluido idraulico / Fluid	Minerale o sintetico compatibile con guarnizioni: Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR				
Viscosità cinematica consigliata Kinematic viscosity suggested	T media ambiente (°C) Average ambient temp. (°C)	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm²/s)	16	22	32	46
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		-40°C ÷ 140°C	
Grado di filtrazione / Oil filtering		> 200 bar: 10 µm / < 200 bar: 25 µm			
Pres. di aspirazione / Inlet pressure		0,85 ÷ 2 bar assoluti/absolut			
Senso di rotazione / Pump rotation		Unidirezionale / Unidirectional			
Verificare che la pompa sia posizionata almeno 100 mm sotto il livello minimo del serbatoio olio. Prima di avviare la pompa effettuare spurgo aria. Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.					

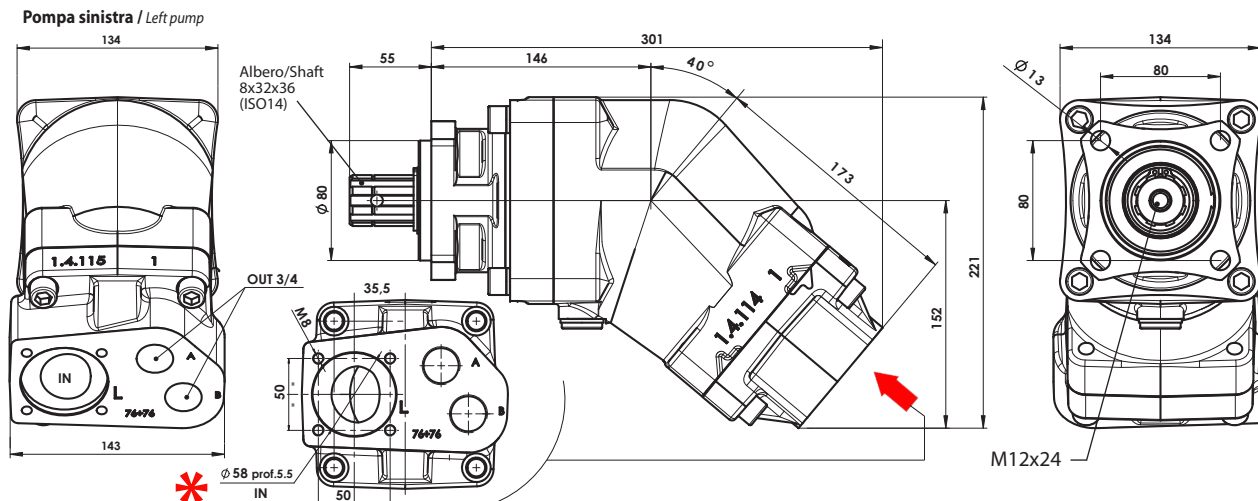
Ingombro / Dimension 53+35 53+53 70+35 70+53

Pompa destra / Right pump



Ingombro / Dimension 76+76

Pompa sinistra / Left pump



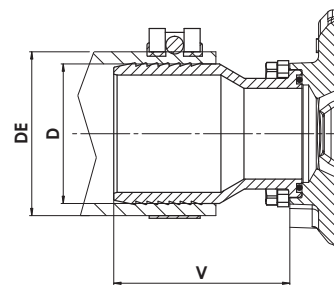
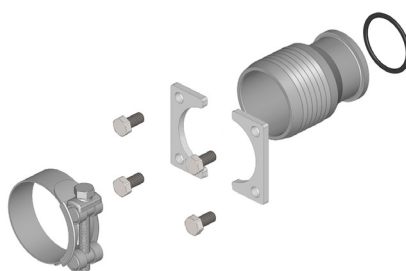
Tipo pompa Pump type	Rotazione Rotation	Codice Code	Gruppo corpo posteriore* Rear cover assembly*	IN ISO 228	OUT ISO 228	Peso Weight
TWIN FLOW 53+35	Destra / Right	60400115033	50002995101	G 1 1/4"	G 3/4"	19,5 kg
	Sinistra / Left	60400115039	50002995209			
TWIN FLOW 53+53	Destra / Right	60400115053	50002995307	G 1 1/4"		20 kg
	Sinistra / Left	60400115059	50002995405			
TWIN FLOW 70+35	Destra / Right	60400117033	50002997001	G 1 1/4"		20,5 kg
	Sinistra / Left	60400117039	50002997109			
TWIN FLOW 70+53	Destra / Right	60400117053	50002997403	G 1 1/2"		21 kg
	Sinistra / Left	60400117059	50002997501			
TWIN FLOW 76+76	Destra / Right	60400117673	50002997618	Ø58 		24,5 kg
	Sinistra / Left	60400117679	50002997609			

* Per modificare il senso di rotazione della pompa, da rotazione DESTRA IN SINISTRA, O VICEVERSA, è necessario sostituire il corpo posteriore.

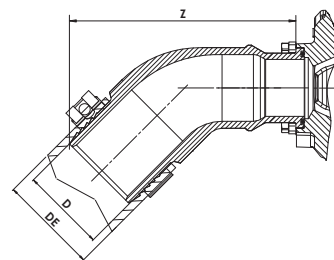
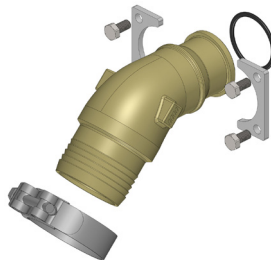
* To change the pump rotation, the rear body must be replaced.

Raccordi validi SOLO per Twinflow 76+76 / Fittings suitable for Twinflow 76+76 ONLY

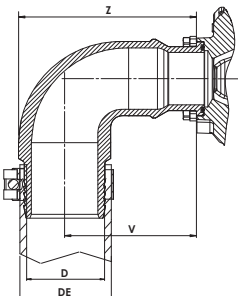
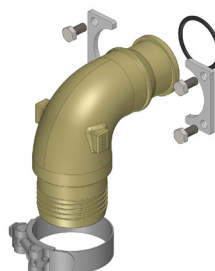
Codice Code	D mm	DE mm	V mm	Peso Weigh Kg
15511200507	50	60-63	59	0,59
15511200516	50	64-67	59	0,6
15511200605	60	68-73	79	0,77
15511200632	63	74-79	79	0,8
15511200767	76	86-91	94	1



Codice Code	D mm	DE mm	Z mm	Peso Weigh Kg
15511245639	63	74-79	163	1,75
15511245764	76	86-91	167	2,1

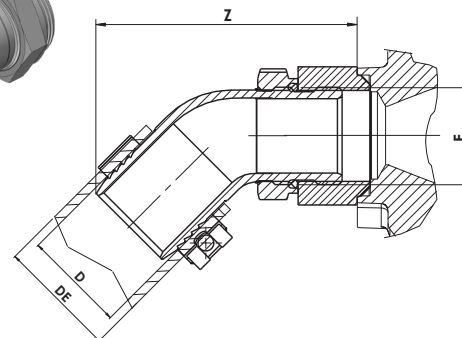
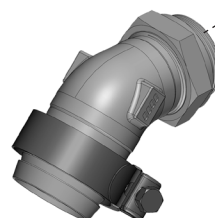
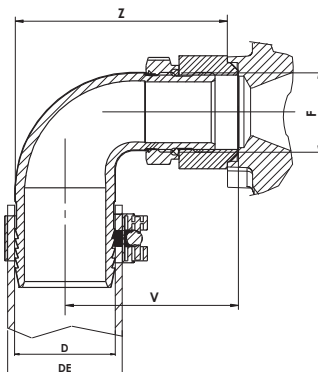


Codice Code	D mm	DE mm	V mm	Z mm	Peso Weigh Kg
15511290634	63	74-79	103	139	1,9
15511290769	76	86-91	103	140	2,3



15511300408

Kit flangia foro filettato G1-1/2, per montaggio raccordi GOLD.
Flange kit G1-1/2 threaded hole, for mounting GOLD fittings.



Codice Code	F ISO 228	D mm	DE mm	V mm	Z mm	Peso Weigh Kg
15510000592	G1-1/2	50	60-63	85	114	0,99
15510000609			64-67			1
15510000654		60	68-73	88	123	1,06

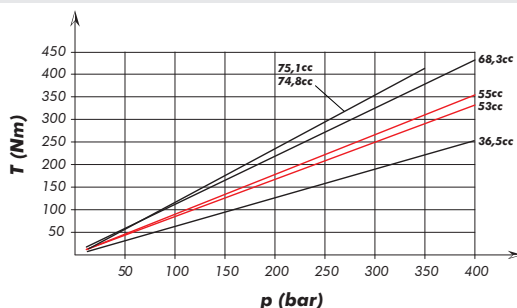
Codice Code	F ISO 228	D mm	DE mm	Z mm	Peso Weigh Kg
15509000540	G1-1/2	50	60-63	133	0,79
15509000559			64-67		0,82
15509000611		60	68-73	153	1

Caratteristiche tecniche funzionamento Technical features	53+35	53+53	70+35	70+53	76+76
Cilindrata A / Displacement (cc/rev)	36,5	53	36,5	53	75,1
Cilindrata B / Displacement (cc/rev)	55	55	68,3	66,2	74,8
Pressione massima continua / Max. continuous pressure (bar)	350	350	350	300	300
Pressione massima picco / Max. peak pressure (bar)	400	400	400	350	350
Velocità massima a vuoto / Max. speed without load (rpm)	2550	2550	2550	2550	2550
Velocità massima con uscita A e B in press. Max. speed with load on A and B outputs (*)	1800	1800	1800	1650	1500
Velocità massima con 1 porta in press. Max. speed with load on 1 output only (*)	2100	2100	2100	2100	2100
Potenza massima continua / Max. continuous power (kW)	94	111	108	98	110
Potenza massima intermittente / Max. intermittent power (kW)	107	127	123	114	129

Pressione massima continua / Max. continuous pressure (100%)
Pressione massima di punta / Max. peak pressure (6 sec.max)

(*) Velocità con tubo diam. interno 63mm (2"1/2) minimo.
Speed with pipe internal diameter 63mm (2"1/2) minimum.

Coppia teorica assorbita / Theoretical drive torque



La coppia assorbita dalla pompa deve essere calcolata come somma delle coppie necessarie per mandare in pressione le 2 mandate.
The total torque absorbed by the pump is given by the sum of the torques necessary to give pressure to the pressure ports.

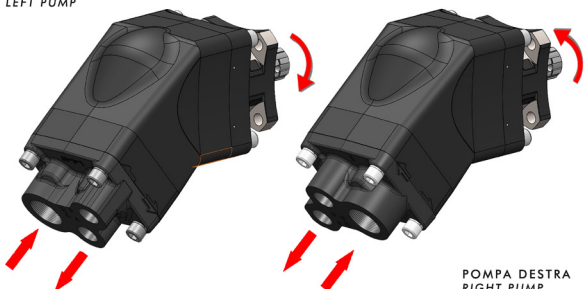
Potenza teorica assorbita / Theoretical power input

La potenza totale è pari alla somma delle potenze richieste dai singoli utilizzi sulle 2 mandate.
The total power absorbed by the pump is given by the sum of the power required by the two pressure ports.

$$P_{TOT} = P_A + P_B = \frac{(p_A \cdot Q_A + p_B \cdot Q_B)}{612}$$

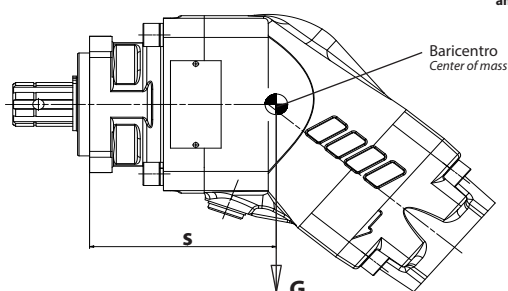
P [kW]
Q [l/min]
p [bar]

POMPA SINISTRA
LEFT PUMP



POMPA DESTRA
RIGHT PUMP

Momento peso / Mass moment



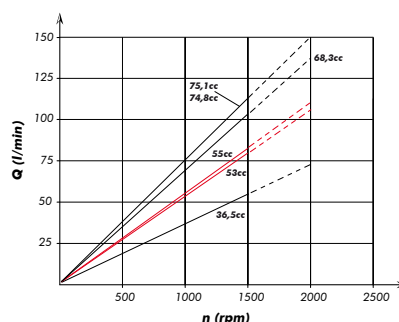
$$M_{amm.} = s \times G \text{ (Nm)}$$

G=Peso in N
(Peso in Kg x 9,81)
G=Weight in N
(Weight in Kg x 9,81)

Pompa 53+53 e 70+35: con tubo diam. interno 50mm (2") velocità max. 1200rpm.
Pump 53+53 and 70+35: with pipe internal diameter 50mm (2") max. speed 1200rpm.

Pompa 70+53: solo con tubo diam. interno 63mm (2"1/2).
Pump 70+53: only with pipe internal diameter 63mm (2"1/2).

Portata teorica / Theoretical flow



La portata della pompa è pari alla somma delle portate delle 2 mandate.
The total pump flow is given by the sum of the flow of each pressure port.

Sceita del tubo di aspirazione How to choose the suction pipe size

Q Portata Flow l/min	Ø interno min. tubo Minimum pipe diameter		Velocità flusso Flow speed (m/s)
	mm	inch	
30	32	1" 1/4	0,62
40	32	1" 1/4	0,83
50	38	1" 1/2	0,74
60	38	1" 1/2	0,88
70	40	1" 9/16	0,93
80	45	1" 3/4	0,84
90	45	1" 3/4	0,94
100	50	2"	0,85
110	50	2"	0,93
120	60	2" 3/8	0,71
130	60	2" 3/8	0,77
140	60	2" 3/8	0,83
160	63	2" 1/2	0,86
170	63	2" 1/2	0,91
180	63	2" 1/2	0,96

Per garantire corrette condizioni di aspirazione la velocità del flusso non deve superare 1m/sec.
To ensure the proper suction pipe size the flow speed should not exceed 1mt/sec.

	S
53+35	126,2
53+53	125,9
70+35	126
70+53	127,1
76+76	143



Link:
Ricambi/SpareParts