

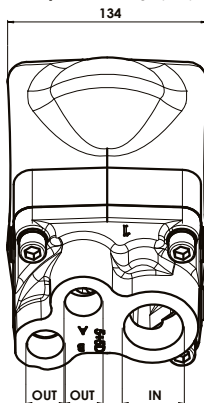


Flangia/Flange ISO
Albero/Shaft ISO14 8x32x36
Cilindrata/Displacement vedi tabella/see table

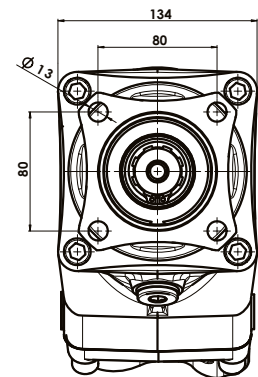
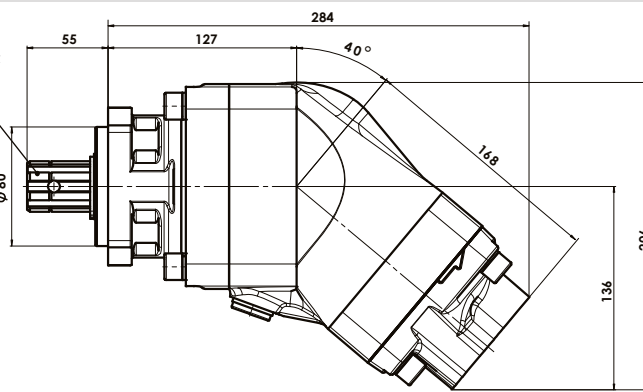
Fluido idraulico / Fluid	Minerale o sintetico compatibile con guarnizioni: <i>Mineral or synthetic compatible with the following seals: FKM, FPM, HNBR</i>				
Viscosità cinematica consigliata <i>Kinematic viscosity suggested</i>	T media ambiente (°C) <i>Average ambient temp. (°C)</i>	< -40	-40÷10	10÷35	> 35
	VG (cSt = mm²/s)	16	22	32	46
Viscosità cinematica ottimale di esercizio <i>Optimale kinematic viscosity</i>			VG= 10 cSt ÷ 100 cSt		
Viscosità cinematica max consentita all'avviamento <i>Max kinematic viscosity suggested at the start-up</i>			VG= 750 cSt		
Indice di viscosità consigliato <i>Viscosity index suggested</i>	VI > 100	Temperatura di esercizio <i>Working temperature</i>		-40°C ÷ +140°C	
Grado di filtrazione / <i>Oil filtering</i>			> 200 bar: 10 µm / < 200 bar: 25 µm		
Pres. di aspirazione / <i>Inlet pressure</i>			0,85 ÷ 2 bar assoluti/ <i>absolut</i>		
Senso di rotazione / <i>Pump rotation</i>			Unidirezionale / <i>Unidirectional</i>		
Verificare che la pompa sia posizionata almeno 100 mm sotto il livello minimo del serbatoio olio. Prima di avviare la pompa effettuare spurgo aria. <i>Verify that pump is, at least, 100 mm under the minimum level of the tank. Before starting the pump bleed the air.</i>					

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

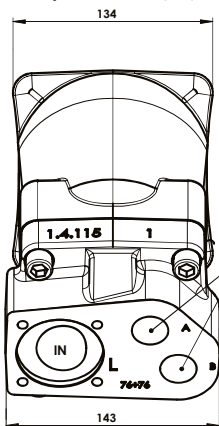
Pompa destra / Right pump



Albero/Shaft
8x32x36
(ISO14)



Pompa sinistra / Left pump



Albero/Shaft
8x32x36
(ISO14)

OUT 3/4

IN

76+76

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

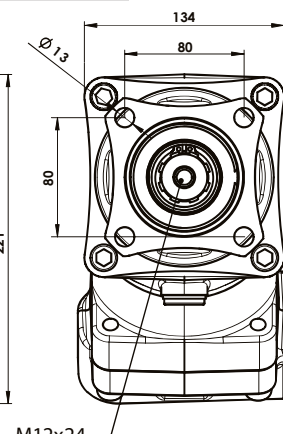
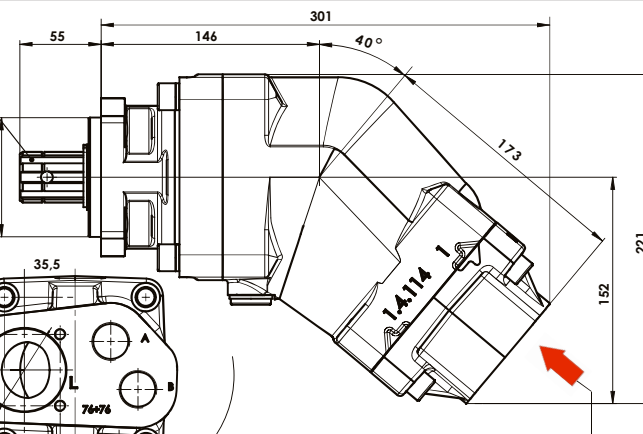
50

50

50

50

Ingombro / Dimension 76+76

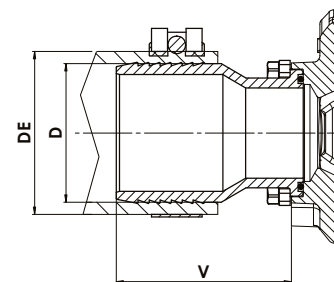
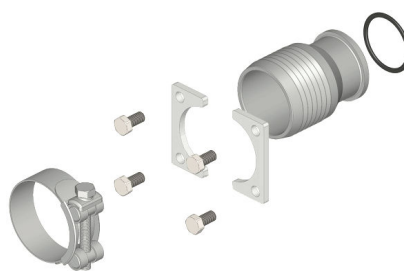


Tipo pompa Pump type	Rotazione Rotation	Codice Code	Gruppo corpo posteriore* Rear cover assembly*	IN ISO 228	OUT ISO 228	Peso Weight
TWIN FLOW 53+35	Destra / Right	60400115033	50002995101	G 1 1/4"	G 3/4"	19,5 kg
	Sinistra / Left	60400115039	50002995209			
TWIN FLOW 53+53	Destra / Right	60400115053	50002995307	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			

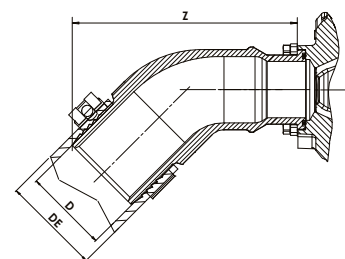
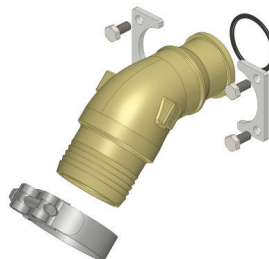
* Per modificare il senso di rotazione della pompa, da rotazione DESTRA IN SINISTRA, O VICEVERSA, è necessario sostituire il corpo posteriore.
* To change the pump rotation, the rear body must be replaced.

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

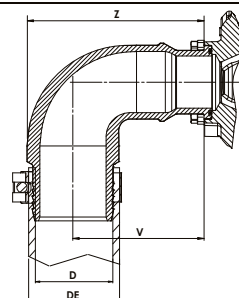
Codice Code	D	DE	V	Peso Weigth
	mm	mm	mm	Kg
15511200507	50	60-63	59	0,59
15511200516	50	64-67	59	0,6
15511200605	60	68-73	79	0,77
15511200632	63	74-79	79	0,8
15511200767	76	86-91	94	1



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

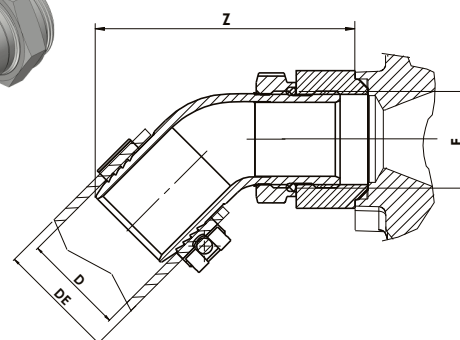
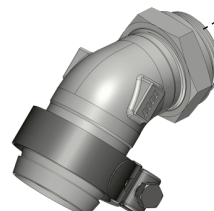
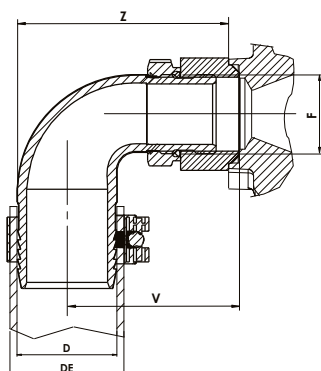


Codice Code	D	DE	V	Z	Peso Weigth
	mm	mm	mm	mm	Kg
15511290634	63	74-79	103	139	1,9
15511290769	76	86-91	103	140	2,3



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

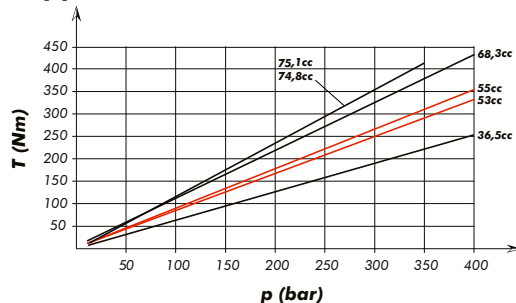
Codice Code	F	D	DE	Z	Peso Weigth
	ISO 228	mm	mm	mm	Kg
15509000540	G1-1/2	50	60-63	133	0,79
15509000559			64-67		0,82
15509000611		60	68-73	153	1

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.

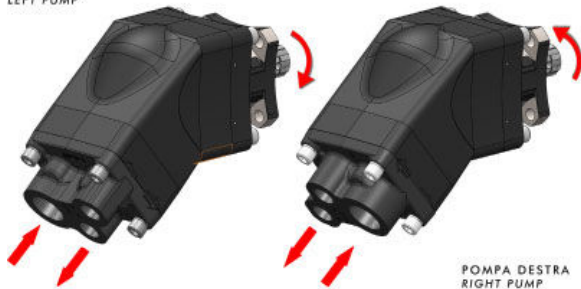
Potenza teorica assorbita / Theoretical power input

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

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

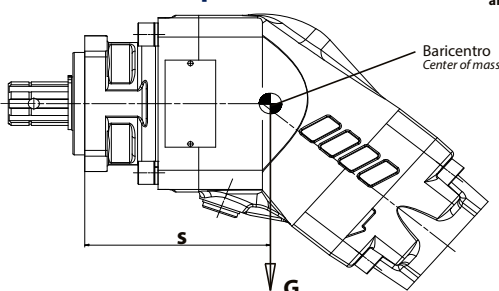
P [kW]
Q [l/min]
p [bar]

POMPA SINISTRA
LEFT PUMP



Momento peso / Mass moment

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

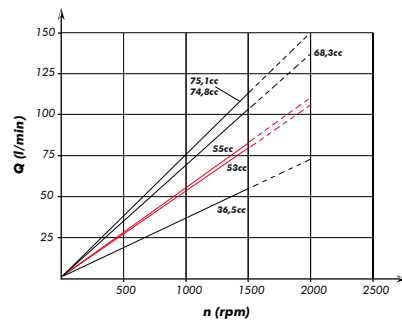


G=Peso in N
(Peso in Kg x 9,81)
G=Weight in N
(Weight in Kg x 9,81)

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.

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

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

Kit guarnizioni / Seal Kit

53+35 / 53+53 / 70+35 / 70+53	10890353533
76+76	10890376769

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