

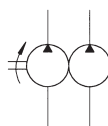
Multiple pumps type POX

piston plus gear type - fixed displacement

obsolete components - availability on request

1 POX MULTIPLE PISTON/GEAR PUMPS

POX are fixed displacement double piston/gear pumps composed by one piston pump type PFR and one gear pump type PFG. They have two separate inlet ports and two separate outlet ports.



For technical characteristics of PFR pumps, see tab. A045; for technical characteristics of PFG pumps see tab. A055.

1.1 MODEL CODE FOR POX

POX	-	242	/	D	**	/**
Fixed displacement piston/gear pump						Synthetic fluids: WG = water-glycol PE = phosphate ester
Type: 242 = PFGXP-327 + PFRXF-202 262 = PFGXP-340 + PFRXF-202 282 = PFGXP-354 + PFRXF-202 245 = PFGXP-327 + PFRXF-203 265 = PFGXP-340 + PFRXF-203 285 = PFGXP-354 + PFRXF-203 349 = PFRXP-308 + PFGXF-327 370 = PFRXP-308 + PFGXF-340 390 = PFRXP-308 + PFGXF-354 355 = PFRXP-311 + PFGXF-327 375 = PFRXP-311 + PFGXF-340 395 = PFRXP-311 + PFGXF-354 359 = PFRXP-315 + PFGXF-327 379 = PFRXP-315 + PFGXF-340 399 = PFRXP-315 + PFGXF-354 Further composition of PFR and PFG pumps are available on request				Design number		
				Direction of rotation (as viewed at the shaft end): D = clockwise (supplied standard if not otherwise specified) S = counterclockwise Note: POX are not reversible		

1.2 OPERATING CHARACTERISTICS OF STANDARD POX at 1450 rpm with hydraulic oil having a viscosity of 24 mm²/s and 40° C

Standard model (1)	Speed range [rpm] (2)	RADIAL PISTON PUMP			GEAR PUMP			Total flow [l/min]
		Displacement [cm³/rev]	Flow [l/min] (3)	Max pressure [bar] (3)	Displacement [cm³/rev]	Flow [l/min] (3)	Max pressure [bar] (5)	
POX-242	600-1800	1,7	2,5	500	27	40,5	210	43
POX-262					40,3	60,5	175	63
POX-282					53,7	80,5		83
POX-245		3,5	5	500	27	40,5	210	45,5
POX-265					40,3	60,5	175	65,5
POX-285					53,7	80,5		85,5
POX-349		8,2	12,5	350	27	40,5	210	53
POX-370					40,3	60,5	175	73
POX-390					53,7	80,5		83
POX-355		11,4	16,5	350	27	40,5	210	57
POX-375					40,3	60,5	175	77
POX-395					53,7	80,5		87
POX-359		14,7	21,5	350	27	40,5	210	62
POX-379					40,3	60,5	175	82
POX-399					53,7	80,5		102

(1) Further composition of PFR and PFG pumps are available on request. Other pump composition must be subject to verification of max torque limits allowed by drive shaft and through shaft of every pump.

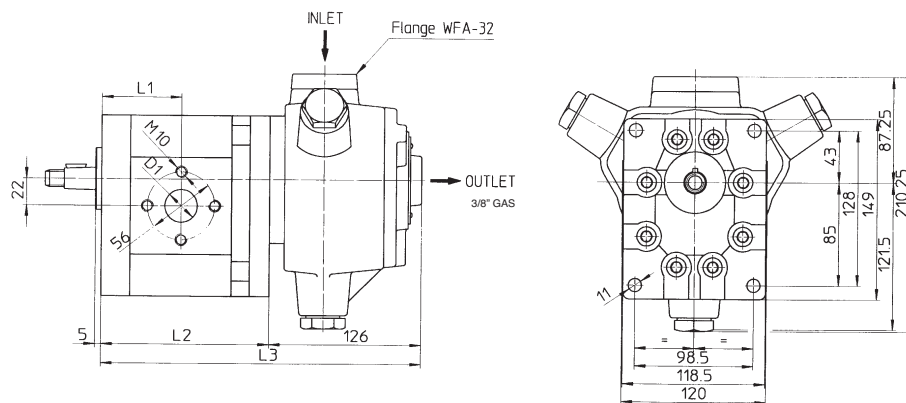
(2) Max speed is 1000 rpm for /WG versions and it is 1800 rpm for /PE versions.

(3) Flow rate and power consumption are proportional to revolution speed

(4) Max pressure is 250 bar for /PE versions and it is 175 bar for /WG versions.

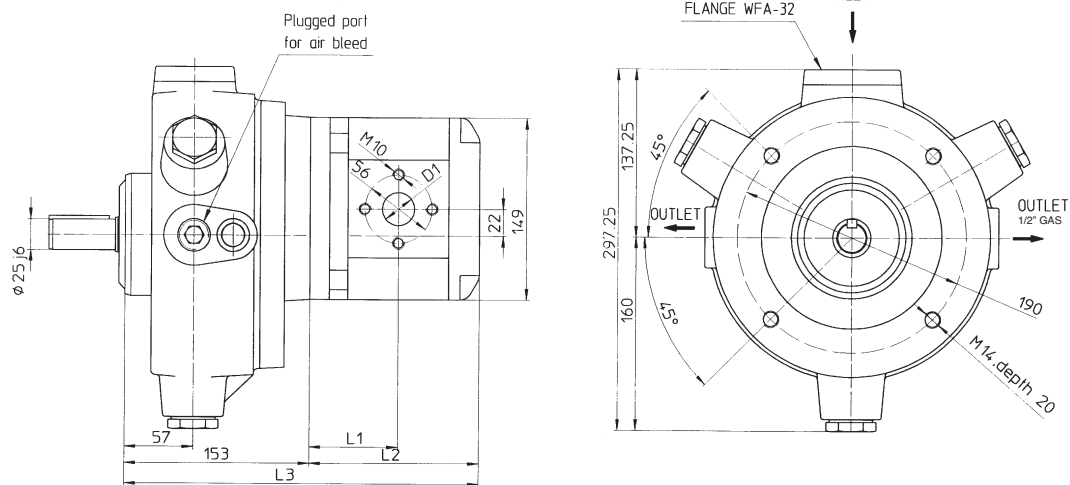
(5) Max pressure is 140 bar for /PE versions and it is 100 bar for /WG versions.

1.3 DIMENSIONS OF MULTIPLE PUMPS TYPE POX [mm]



For missing details see tab. A045 and A055

Composed pump	First element - gear pump -	Second element - piston pump -	D1		L1	L2	L3
			Inlet	Outlet			
POX-242	PFGXP-327	PFRXF-202	27	19	66	139,5	265,5
POX-262	PFGXP-340	PFRXF-202	27	19	70,5	148,5	274,5
POX-282	PFGXP-354	PFRXF-202	27	27	75	157,5	283,5
POX-245	PFGXP-327	PFRXF-203	27	19	66	139,5	265,5
POX-265	PFGXP-340	PFRXF-203	27	19	70,5	148,5	274,5
POX-285	PFGXP-354	PFRXF-203	27	27	75	157,5	283,5



For missing details see tab. A045 and A055

Composed pump	First element - piston pump -	Second element - gear pump -	D1		L1	L2	L3
			Inlet	Outlet			
POX-349	PFRXP-308	PFGXF-327	27	19	73,5	141	294
POX-370	PFRXP-308	PFGXF-340	27	19	78	150	303
POX-390	PFRXP-308	PFGXF-354	27	27	82,5	159	312
POX-355	PFRXP-311	PFGXF-327	27	19	73,5	141	294
POX-375	PFRXP-311	PFGXF-340	27	19	78	150	303
POX-395	PFRXP-311	PFGXF-354	27	27	82,5	159	312
POX-359	PFRXP-315	PFGXF-327	27	19	73,5	141	294
POX-379	PFRXP-315	PFGXF-340	27	19	78	150	303
POX-399	PFRXP-315	PFGXF-354	27	27	82,5	159	312

POX pumps are supplied with WFA inlet flange for PFR, WLG-3-100 (inlet) and WLG-2-34 (outlet) elbow connections for PFG; see www.scoda.it, tab. SK155.