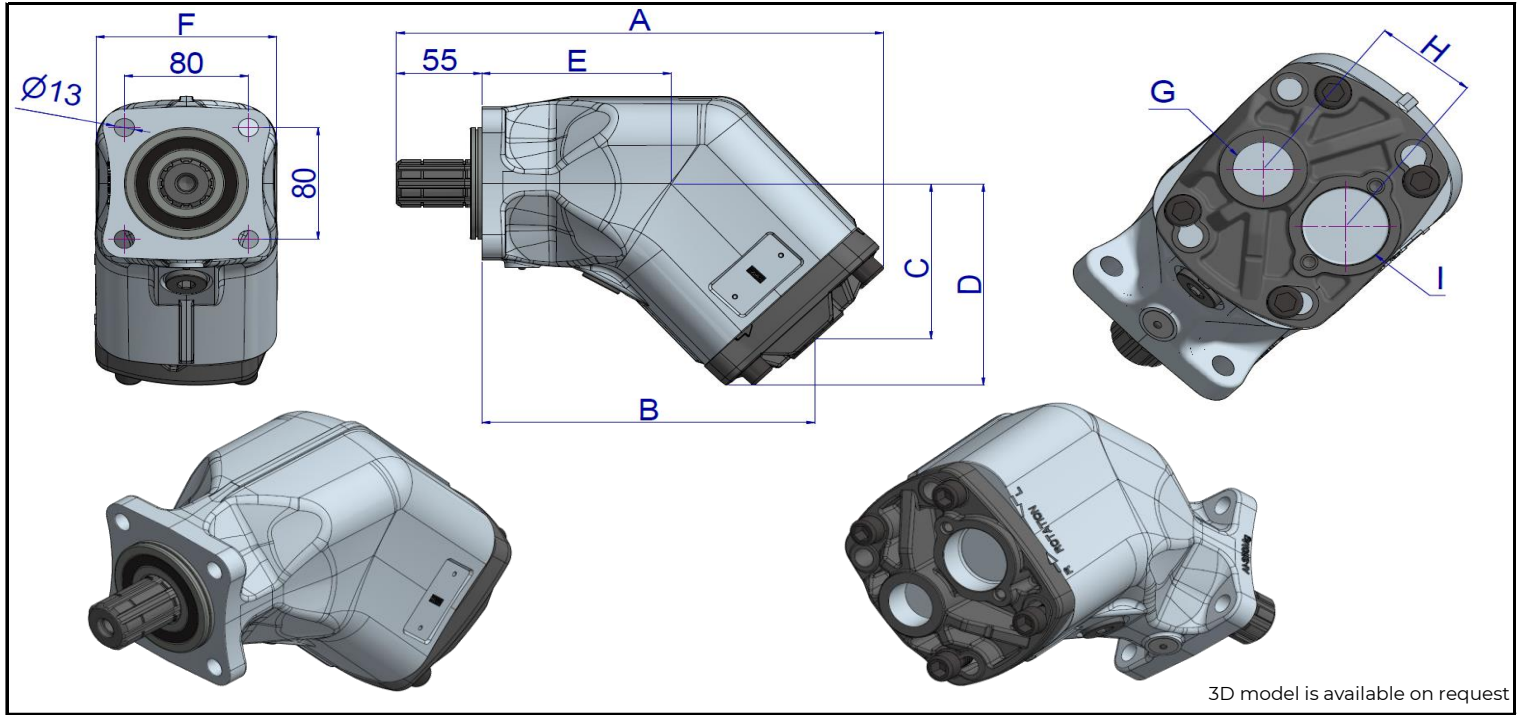


Piston pump T1-81L/121L-L/R



3D model is available on request

Specifications

Type	81L	121L	
Part number (Right rotation)	14535119	14535130	
Part number (Left rotation)	14535120	14535131	
Displacement	81.5	118.5	cc/rev
Shaft dimension DIN 5462	8*32*36	8*32*36	mm
Inlet Ports ("I")	Suction fitting to be ordered separately		
Outlet Ports ("G")	3/4"	1"	BSP
Recommended suction hose diameter	2"	2 1/2"	inch
Max. Continuous pressure "P3"	250	250	bar
Max. Peak pressure "P1"	350	350	bar
Mass	8.5	12.5	kg
Overhang torque	7.4	15.2	Nm
"A"	261	314	mm
"B"	169	220	mm
"C"	96	108	mm
"D"	131	144	mm
"E"	73	112	mm
"F"	104	114	mm
"H"	48	53	mm
Max. Torque at "P1"	453	658	Nm
Max. power	95	111	kW
Max. Flow	163	190	l/min
Max. speed*	2000*	1600	rpm
Oil temperature range	min / max -30 / 75	min / max -30 / 75	°C
Operating viscosity	min / max 10 / 400	min / max 10 / 400	cSt
Recommended oil viscosity	min / max 20 / 30	min / max 20 / 30	cSt
Max. starting viscosity**	1000	1000	cSt
Recommended filtration - ISO (201813)	10	10	µm
Leak indicator included with the pump	Yes	Yes	

*Max speed can only be used if correct suction line dimensions are used.

Note : The pump does not include suction fitting. Please refer page 3.

**Max speed is 1200 RPM at a viscosity of 1000cSt.

Peak pressure max. 5 sec/min.

Technical Notes

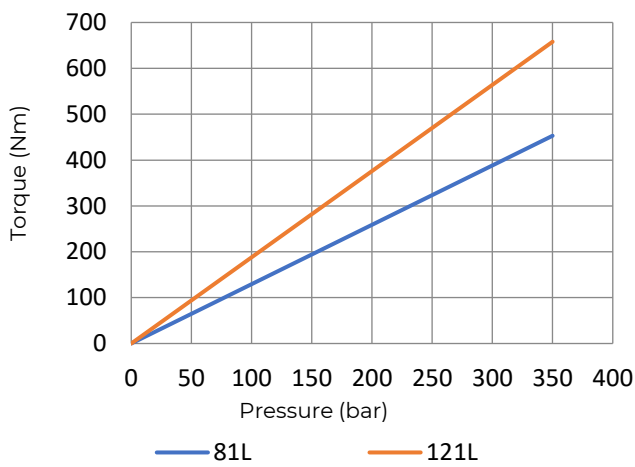
- Recommended oil is mineral based • For other fluids contact our engineering department • To avoid cavitation, suction hose must be kept as short and straight as possible and oil viscosity should be respected at all operating temperatures. • The minimum oil level in the oil tank must be above the inlet of the pump.
- Follow proper mounting instructions for prolonged bearing life. • If any oil should drop out the indication-hole stop the system immediately.

Related documentation

Mounting instructions: PUM-0030

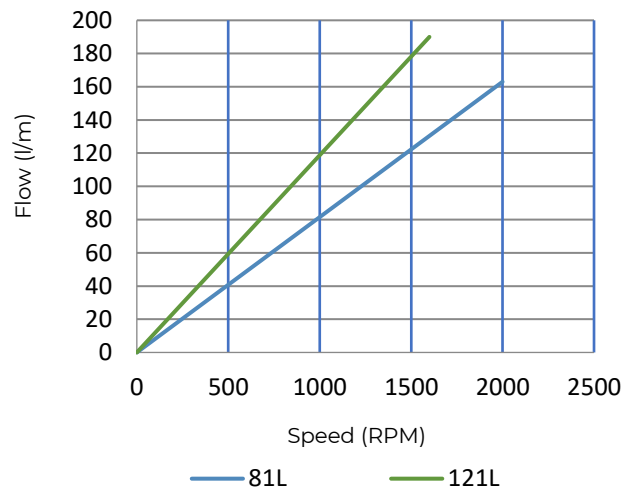
Oil specifications: OIL-0011

Torque - Pressure characteristics

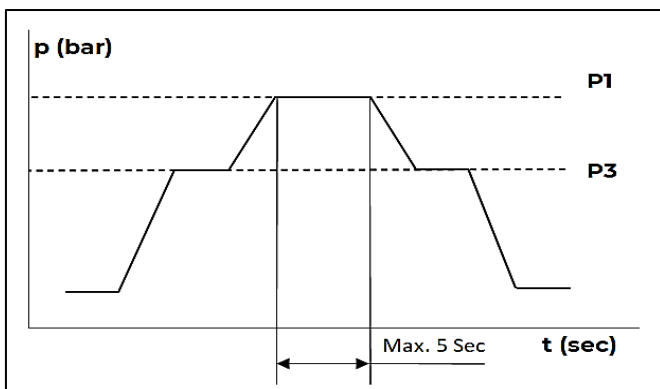


* PTO output torque must be higher than the torque required by the pump.

Flow - Speed characteristics



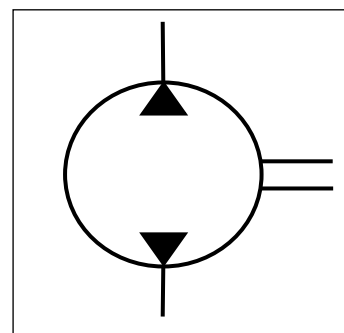
Pressure definition



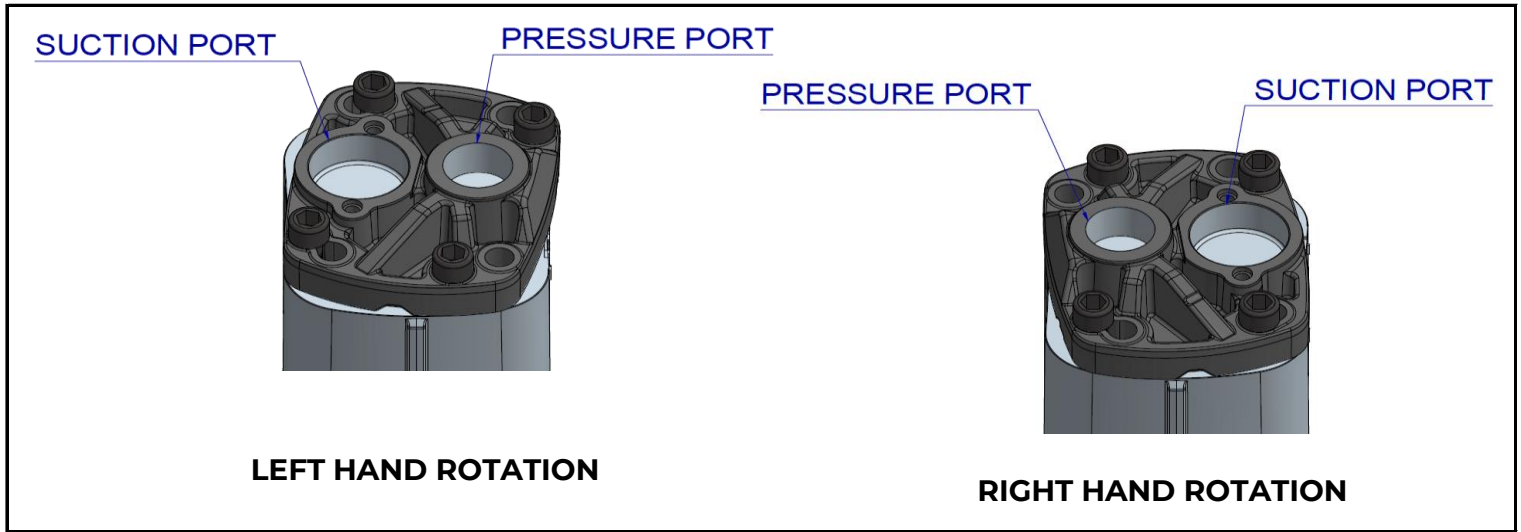
p 1) Peak pressure

p 3) Continuous Pressure

Hydraulic symbol



Mounting Options

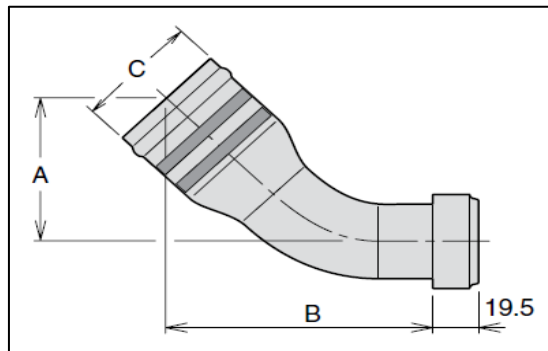


Note : To change rotation, refer installation manual.

Accessories

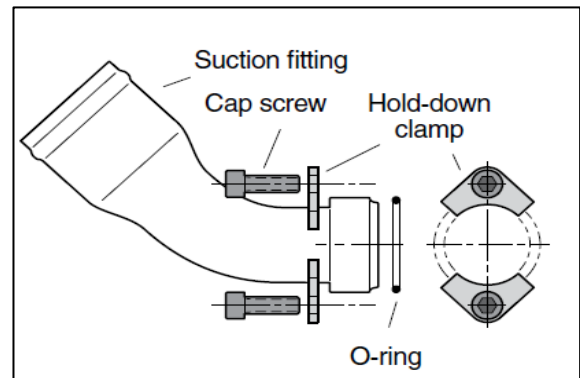
Part no.	Description
14535380	BYPASS VALVE T1 (81L) - 24VDC
14535381	BYPASS VALVE T1 (81L) - 12V
14535385	BYPASS VALVE T1 (121L) - 24VDC
14535379	BYPASS VALVE T1 (121L) - 12VDC

Suction fitting



Part no.	A mm	B mm	ØC mm (in)
14535300	67	110	45 (1 3/4")
14535305	67	110	50 (2")
14535306	75	117	63 (2 1/2")

Note : We advise on using large hose diameter.



Note : Suction fitting must be ordered separately as it is not included with pump.

The clamps, O-ring and the screw are included with the fitting.

Spare parts

No.	Description	25-121 cc
01	Seal kit	14534343