

PL • PL-F TYPE SELF-PRIMING CHEMICAL PUMPS

PL Type (FRPP)



PL-F Type (PVDF)

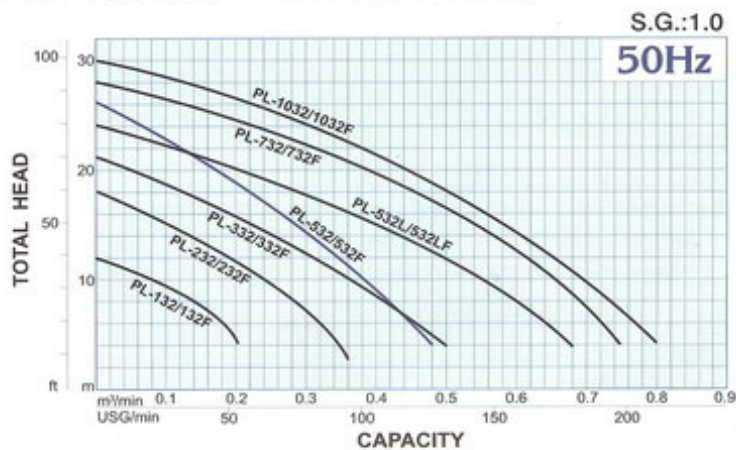


PL • PL-F Type SPECIFICATIONS (Without motor)

Hz	Type		Motor				Pump				Weight kg	Height mm	Pump Dia. mm
	FRPP	PVDF	S.G.	Power	Phase	Volt	Bore size		Max. Head	Max. Flow			
	PL	PL-F		KW(HP)	PH	V	Inlet inch(mm)	Outlet inch(mm)	m	m ³ /min			
50	PL-132	PL-132F	1.0	0.75(1)	3	220-480	1 1/2"(40)	1 1/2"(40)	12	0.20	44	413	1140
	PL-232	PL-232F	1.0	1.5(2)	3	220-480	1 1/2"(40)	1 1/2"(40)	18	0.36	44	413	1140
	PL-332	PL-332F	1.0	2.2(3)	3	220-480	2"(50)	2"(50)	21	0.50	45	413	1140
	PL-532	PL-532F	1.0	3.7(5)	3	220-480	2"(50)	2"(50)	26	0.48	48	413	1140
	PL-532L	PL-532LF	1.0	3.7(5)	3	220-480	3"(80)	3"(80)	24	0.68	49	413	1140
	PL-732	PL-732F	1.0	5.5(7 1/2)	3	220-480	3"(80)	3"(80)	28	0.75	53	413	1140
	PL-1032	PL-1032F	1.0	7.5(10)	3	220-480	3"(80)	3"(80)	30	0.80	53	413	1140
60	PL-132	PL-132F	1.0	0.75(1)	3	220-480	1 1/2"(40)	1 1/2"(40)	10	0.19	44	413	1140
	PL-232	PL-232F	1.0	1.5(2)	3	220-480	1 1/2"(40)	1 1/2"(40)	20	0.38	44	413	1140
	PL-332	PL-332F	1.0	2.2(3)	3	220-480	2"(50)	2"(50)	24	0.48	45	413	1140
	PL-532	PL-532F	1.0	3.7(5)	3	220-480	2"(50)	2"(50)	28	0.6	48	413	1140
	PL-532L	PL-532LF	1.0	3.7(5)	3	220-480	3"(80)	3"(80)	28	0.68	49	413	1140
	PL-732	PL-732F	1.0	5.5(7 1/2)	3	220-480	3"(80)	3"(80)	35	0.73	53	413	1140
	PL-1032	PL-1032F	1.0	7.5(10)	3	220-480	3"(80)	3"(80)	40	0.92	53	413	1140

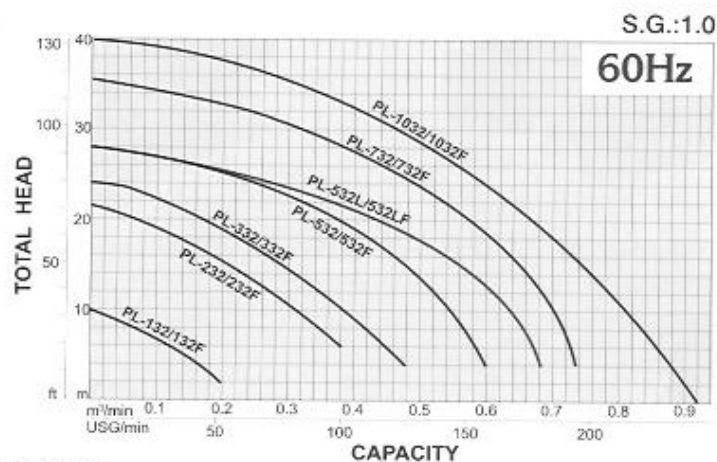
※ The weight of motor are not included.

PL • PL-F Type PERFORMANCE CURVE



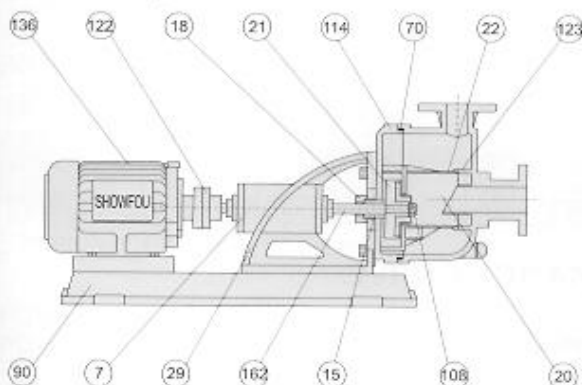
STRUCTURE DIMENSIONS

● PL • PL-F Type PERFORMANCE CURVE



● STRUCTURE

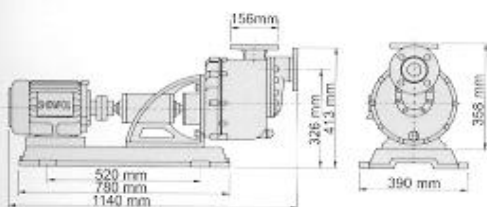
PL • PL-F Type



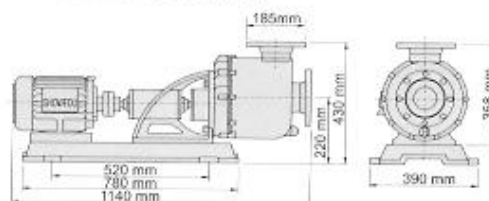
No.	Name	Material		QTY
		PL	PL-F	
7	Bearing			2
15	Mechanical seal	(TEFLON) Ceramic+Carbon	(TEFLON) SiC+SiC	1
18	Seal cover	FRPP	PVDF	1
20	Pump casing	FRPP	PVDF	1
21	Impeller	FRPP	PVDF	1
22	Suction cover	FRPP	PVDF	1
29	Pump bracket	Cast iron		1
70	O-Ring	EPDM	VITON	1
77	Backring	EPDM	VITON	1
90	Frame	Cast iron Casing		1
108	Nut	FRPP	PVDF	1
114	Pump lower cover	FRPP	PVDF	1
122	Coupling	PC + Rubber		2
123	Flap valve	EPDM	VITON	1
136	Motor	Cast iron Casing		1
162	Shaft	SUS304 + TEFLON		1

● DIMENSIONS

PL-132/232/332/532
PL-132F/232F/332F/532F



PL-532L/732L/1032L
PL-532LF/732F/1032F

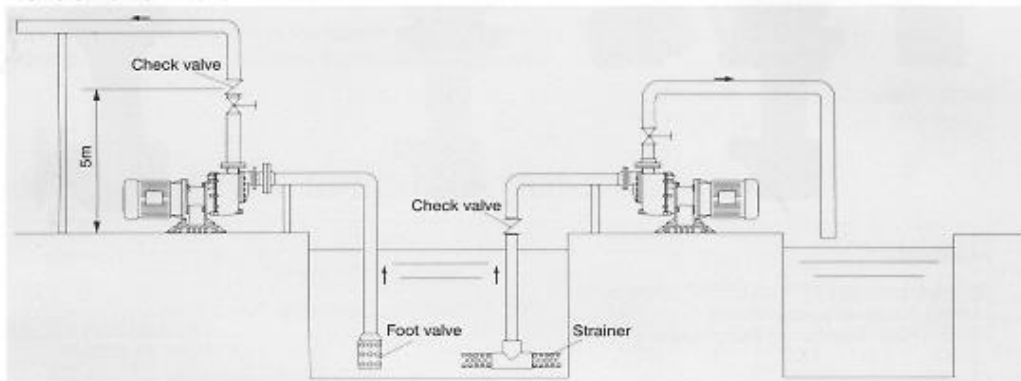


● APPLICATIONS

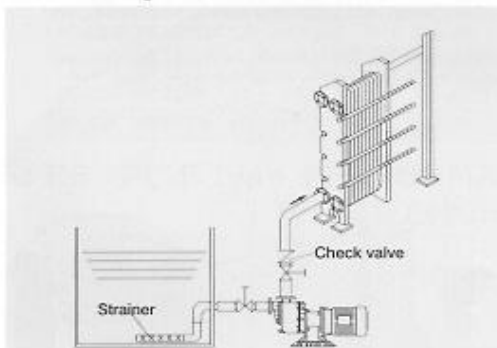
- Wasted and polluted water treatment.
- PCB electronic industry brick kiln industry.
- Paper industry, leather industry, dyeing and textile.
- Surface electric plated industry.
- Chemical engineering industry.
- Medical and pharmaceutical industry and food industry.

● INSTALLATION NOTICE

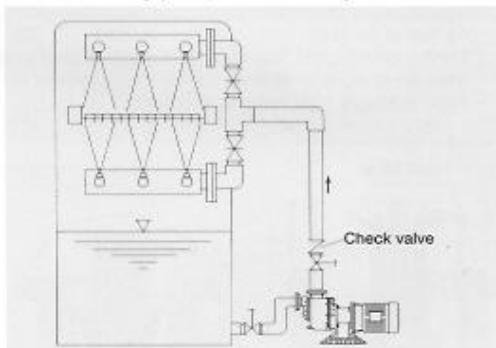
Transfer for tank to tank



Heat exchanger circulation



PCB washing pumps for etching machine



1. For the first installation, please fill the pump with the liquid to prevent the mechanical seal damage.
2. Lay down a strainer at the suction inlet of pipe to avoid incoming rubbish and foreign matter, and we also recommend you to use a foot valve at the suction inlet of pipe to get even better performance.
3. Place a check valve at discharge pipe line and air bypass under the check valve in order to avoid breakage by water hammer.
4. In case of high temperature liquid over 40°C, place flexible joints and bending in pipe line to avoid piping load to pump by pipe's expansion.
Avoid deformation of pump by over-tightening when using a flexible joint, a loose flange made of metal or an inner packing on the piping line.
5. Place each flange surface of pipe and pump in parallel and do not over-tightening by bolts.
6. Use resin pipe, avoid metal pipe as much as possible.

Do not run dry !

