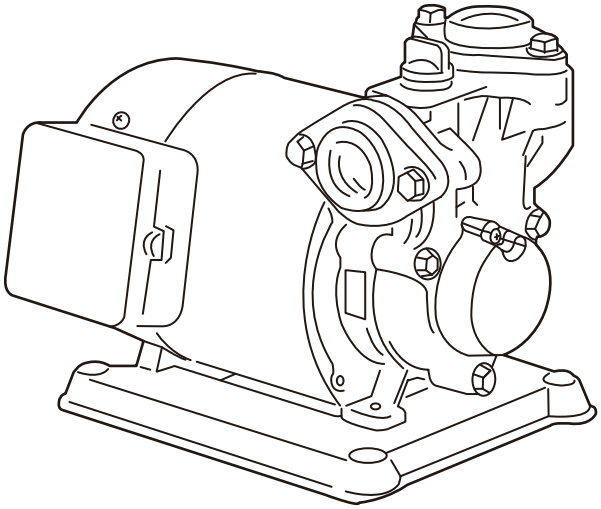
WALRUS PUMP

TP3-P_B Series

Instruction Manual

Direct Water Pump



Model : TP320PB / TP325PB

To ensure safe and proper use, please read this instruction before operation.

ISO 9001 Certified **WALRUS PUMP CO., LTD.**

Product

The Pump case is made of antibacterial engineering plastics that comply with RoHS specifications.

It can inhibit the growth of some fungi and improve the quality of water.

OPERATION

1. Make sure of using the right voltage.
2. Remove the water plug and pour water into the pump and suction piping ,then secure the plug.

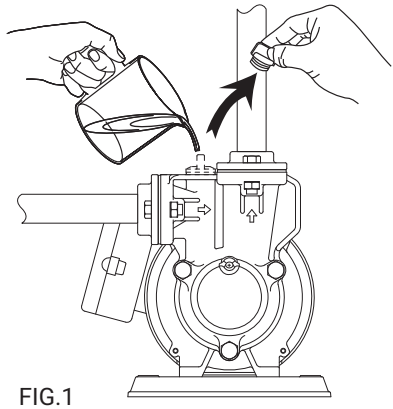


FIG.1

3. Insert a screw driver cross into the shaft slot , and turns the shaft 2-3 rounds to check if the pump runs normally , then open one faucet on the delivery side , the turn the power switch ON.(FIG.2)

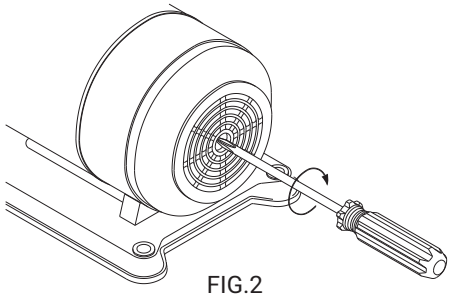


FIG.2

4. After the power switch on, the motor should turn immediately . After a few seconds, the water should be delivered.
5. If the water does not be delivered immediately turn the power OFF. Repeat step 2 and set power ON/OFF continuously to make the suction piping be filled with water.

IMPORTANT NOTE

1. Use the right voltage and wiring by the connecting diagram. Motor must be grounded in compliance with applicable electrical code to avoid accident.
2. please use a sturdy foundation and bolt the pump to it securely.
3. Be sure to arrange earthling or circuit breaker against electric leakage.
4. The pump should be installed as close as to the reservoir or well to avoid the low efficiency due to the long suction pipe.
5. The location must be dry with good ventilation and adequate space.
6. Do not run without water actually pumping.
   Do not operate hot water (more than 60°C), or the other liquid except normal water.
7. Be careful not to allow the foreign matter (chips, dirt, sand, glue, etc) into the pump, or the will damage and shorten the life of pump.
8. Piping joints should be fitted carefully to prevent leakage.
   a. Leakage in the suction piping will cause the pump does not function well.
   b. If an "outlet for water " is leaking out, then the water pressure will be lowered.
9. Please install a check valve on suction piping.

TROUBLE SHOOTING

(Turn the power switch OFF before fixing.)

1. MOTOR FAILS TO START OR RESTART AFTER A SHORT-TERM RUNNING, the overheating protector is mounted directly on the motor windings. It will stop the motor automatically when the motor temperature is up to abnormal, and restart the motor after the temperature back to normal in 20 minutes.
   a. Check the electrical power source, fuse, and circuit breaker.
   b. Check if pump is locked by rust or foreign objects.
   c. Check if the ventilation of the location is bad for causing the overheating of motor.
2. When charge pump with electricity and the pump revolve normally but you find no water supply, please check it as followings.
   a. The pump casing should be full of water, if shortage, please open the red water plug (FIG.4-1) and pour into water anew till quite brimming.
   b. If water is leaking out from the pipe please install again there's a blockade in the drain-pipe, please clean it out.
3. If you can't get rid of the bug, please call to sales agent or the distributive service station.

Coverage of Application:

To be used on supplying water:

1. For the apartment and residences.
2. For the heater and agricultural irrigation.
3. For the garden pump and sprinkle water.

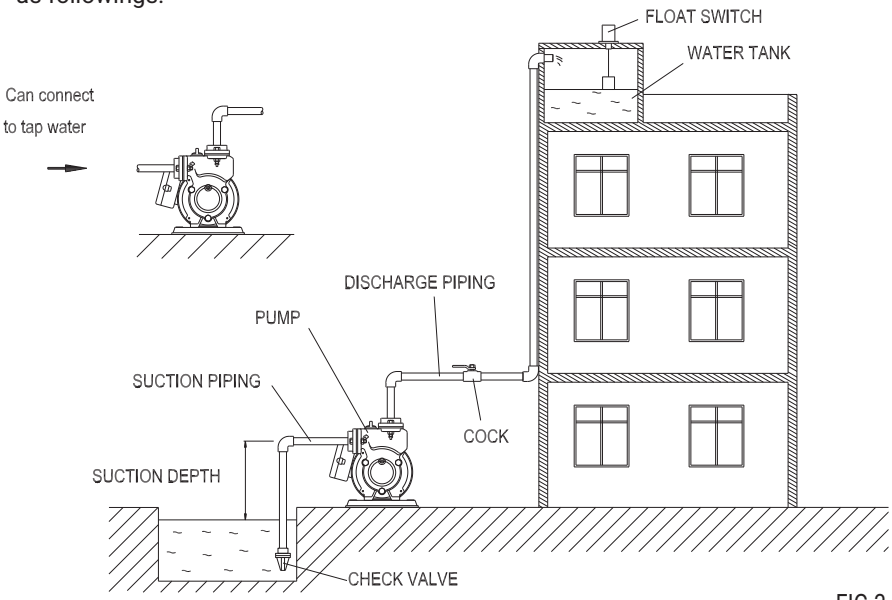


FIG.3

PARTS

No	Part Name	No	Part Name
1	Water Plug	8	Screw
2	Flange	9	Cover
3	Gasket	10	Pump Casing
4	Flange	11	Mechanical Seal
5	Gasket	12	Shaft
6	Impeller	13	Mounted Base
7	Steel Ball	14	Motor

SPECIFICATIONS

Model		TP320PB	TP325PB
Output	(W)	370	
Cycle	(Hz)	50 / 60	
Revolution		2820 / 3420	
Suction head	(m)	8	
Total head	(m)	35 / 40	
Total capacity	(L/min)	35 / 42	
Inlet	mm(in)	20(¾")	25(1")
Outlet	mm(in)	20(¾")	25(1")

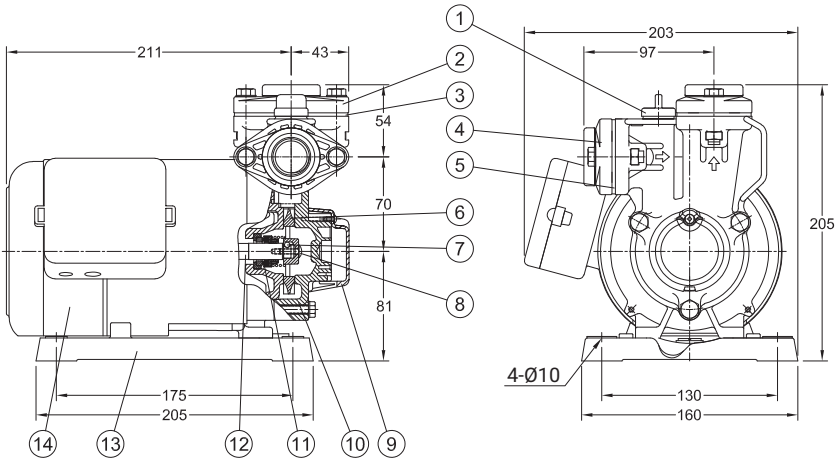


FIG.4

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