



AC-26

POOL FILTER

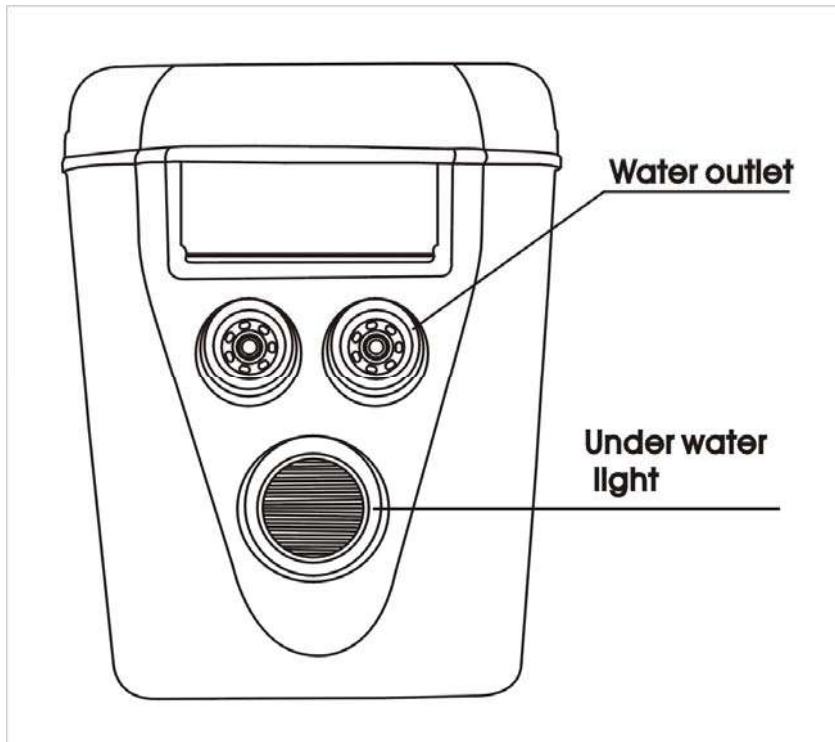
INSTALLATION

OPERATION MANUAL

KNOW YOUR PLANT:

◆ Name of parts:

Water outlet Underwater light Plant box Water inlet



(Fig. 1-Front View)

AC-25 FILTRATION SYSTEM

AC-25 FILTRATION SYSTEM INCLUDES TWO PARTS:

——“FILTER AREA” is immersed in the swimming pool, with underwater light. It includes 1 skimmer, 2 jets, 2xFiltering drums and union pipes.

——“TECHNICAL HOUSE” is located in the concrete pit which is behind the panel or pool wall. It includes 1 circulating pump (25m³/h) and the pipe which connects to the Filter Area. And the ozonator pipe is also in the area.

Swimming pool water goes into the 1*skimmer active door of the filter area, go through the 2 filter drums into the pumps, and then return to pool via the jets. The pumps can be controlled manually or automatically by the digital timer. (Optional RF Remote control)

The features of the filter system are as follow:

- High filtration power 25m³/h ,easy installation, safety, cost effective and easy maintenance;
- 2 filter bags, precision is 75μm;
- 1 high suction skimmer, removes pool surface pollution effectively;

USER MANUAL FOR AC-26 POOL FILTER

- Pipe free, no plant room, low pump power consumption;
- LED underwater light, low power consumption(7.5w);
- Inter cooling system, hot air is removed from the technical house by vacuum suction created by the water jets;
- Filter bag is easy to clean(using high pressure water);

Recommend: AC-25 is to recommend to be used for new swimming pool and renovation pool.

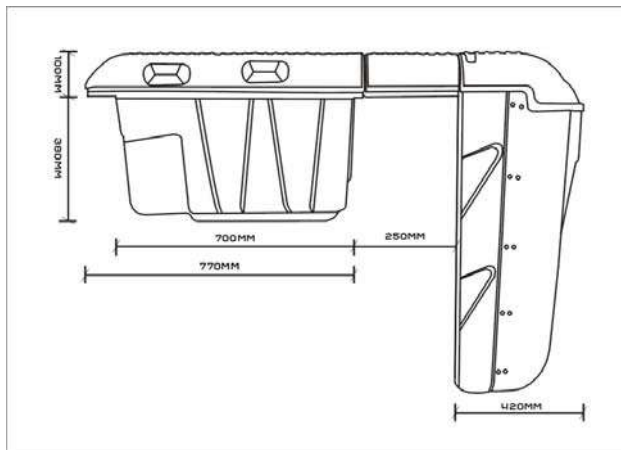
◆ Technical specification:

Power supply:	220V/50Hz	Underwater light:	7.5W/12VDC
Power consumption:	1.6kw	Pump outlet:	1.5"
Flow rate:	25cbm/h	Pump inlet:	2"
Ozone Generator:	500mg/h	Dimension:	1440*760*1020mm
Filtration precision:	$\leq 75\mu\text{m}$	Net weight:	90 kgs

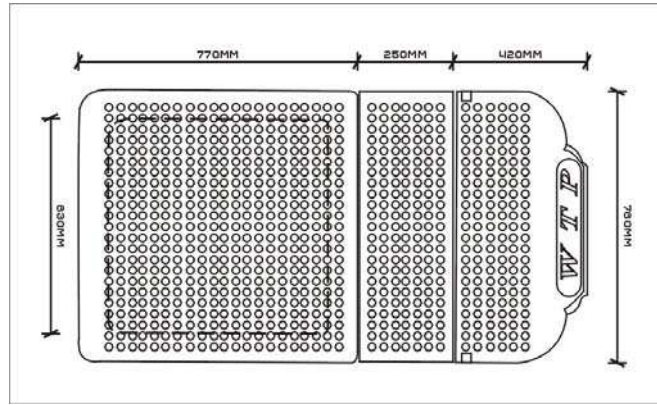
INSTALLATION INSTRUCTION:

1. Layout to put the plant:

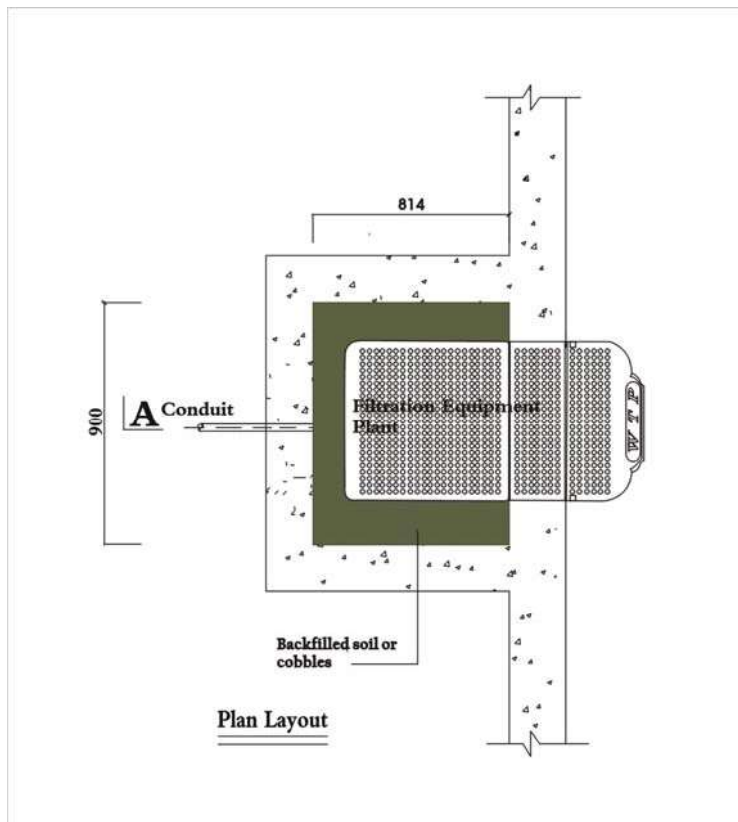
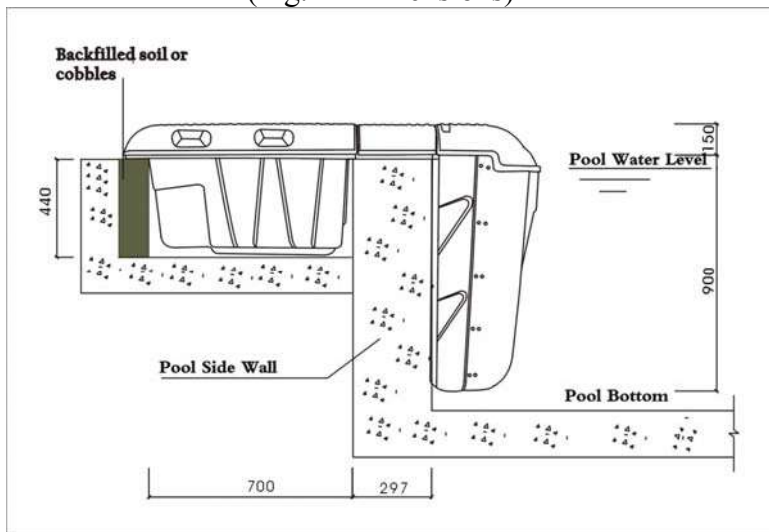
NOTE: before the paving of the pavement of the swimming pool, please connect a anti-corrosive and waterproof electrical cables of $3 \times 4\text{mm}^2$ (L, N, G) from the residual current device (RCD) of power supply (8A/220V/50Hz which is our requirement) to the connection box of this plant.



USER MANUAL FOR AC-26 POOL FILTER



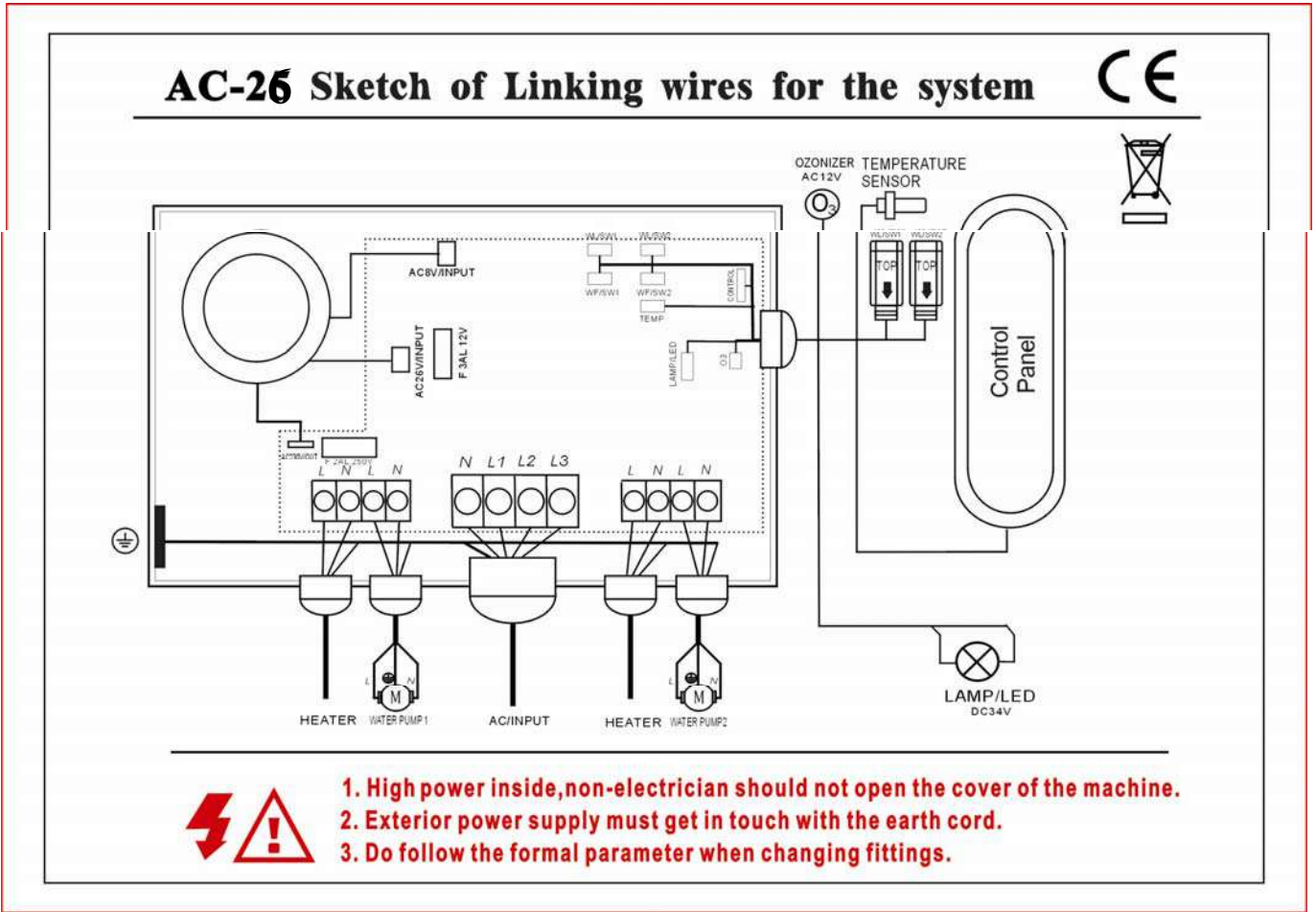
(Fig. 2- Dimensions)



(Fig.3- Plan Layout)

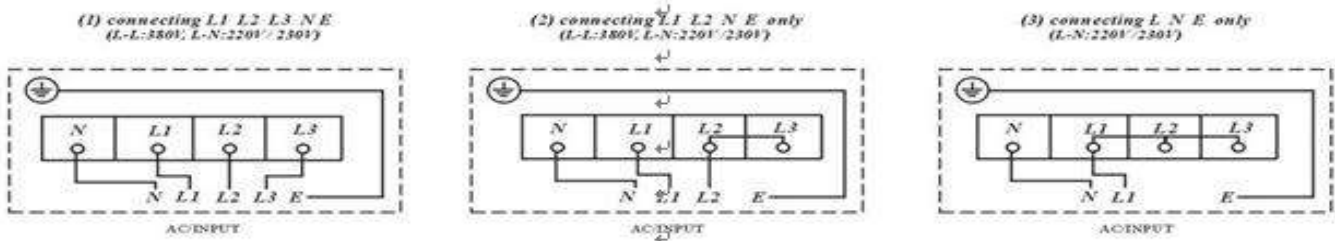
II. Electrical installation instruction:

NOTE: Electrical installation must be operated by the qualified technician.



(Fig. 4- Wiring of Connection box)

Wiring diagram of control box




(Fig. 5- Wiring of control box)

OPERATION INSTRUCTION FOR DIGITAL CONTROL PANEL:



(Fig. 6- control panel)

I . Instructions for manual operation:

- ◆ **ON/OFF key:** Connect the power supply and press ON/OFF key, pump 1 and Ozone disinfection system will go into working automatically.
- ◆ **O3 key (Ozone):** The ozone disinfection system will go into working together with pump 1 when turning on the spa. Press “O3” key to turn off or turn on again the ozone disinfection system.
- ◆ **Light Key:** This key control the underwater light. First press  key, the underwater light will be on, and the color will change automatically; second press, the color will be fixed on a certain color; press for the third time to shut it off.
- ◆ **+ / - key:** Up / Down adjust key.
- ◆ **T/C key:** This key is to check the water temperature and set the clock time.
Short press the “T/C” key repeatedly, the control panel screen will display the current temperature and standard time.
Set clock time: Long press “T/C” key for 3 seconds and loosen the hand, the panel screen will display system clock time and hour/minute digit flashing, press “+”“-” to adjust the hour/minute. Press “T/C” key again, the minute/hour digit will flashing, press “+”“-” to adjust the minute/hour. It will store and return to the previous working status after flashing 5 seconds.
- ◆ **A/M key:** Long press “A/M” key to to switch the pump 1 between manual working mode (“A/M” key has no light) and automatic working mode (“A/M” key shows red). It is also a set key for the automatic operating periods setting for pump 1.
- ◆ **T1 / T2 / T3 key:** They are setting keys for the automatic operating periods setting for pump 1.
- ◆ **PUMP2 key:** In the manual mode, press “PUMP2” key to turn on or turn off the pump 2. In the automatic mode, pump 2 will go to working together with pump 1. Press “PUMP2” key to turn off or turn on the pump 2.
- ◆ **PUMP1 key:** This key controls the pump 1 on or off. It has two working modes, the manual mode and automatic mode. In the manual mode, press “PUMP1” key to turn on or off the pump 1. In the automatic mode, 3 operation periods can be set for pump 1. The pump 1 will only go to working

during the set operation periods.

Set automatic operation periods:

Remark: Before setting the automatic operation periods, set the water temperature lower than the actual water temperature. Otherwise, the pump 1 will work all the time, and can't controlled by operation periods time. "A/M" key shows red light means the automatic mode; "A/M" key has no light means the manual mode.

Set the first operation period:

- **Step 1:** Press "A/M" key to switch the pump 1 to the automatic mode ("A/M" key shows green).
- **Step 2:** Set the start time: Press "T1" key, then press "A/M" key (The "A/M" key will lit, it means to set the start time.), the hour/minute digit will be flashing. Press "+" "-" to adjust the hour/minute. Press "T1" key again, the minute/hour digit will flashing, press "+" "-" to adjust the minute/hour. No action within 5 seconds, the start time will be stored automatically.
- **Step 3:** Set the end time: Press "T1" key, then press "A/M" key (The "A/M" key has no light, it means to set the end time.), the hour/minute digit will be flashing. Press "+" "-" to adjust the hour/minute. Press "T1" key again, the minute/hour digit will flashing, press "+" "-" to adjust the minute/hour. No action within 5 seconds, the start time will be stored automatically.

PLEASE SET T2 AND T3 OPERATING PERIOD AS ABOVE OPERATION INSTRUCTIONS.

REMARK: If it is no need to set the time in any of the 3 periods, just set the time to "00:00" in that period to avoid it.

Cautions before first using:

- ◆ Before running the device for the first time, turn on the ball valve of the pipe and fill water until the equipment box pipe are full of water and then turn off the ball valve.
- ◆ When it is ready to start running, press the "ON/OFF" key on control panel for several times until the circulation pump can work normally because there may be some air inside the pipes and pump for first running.

1. Setting device running:

- ◆ Manufacturer recommends: running time=water temperatur/2 (h)
- ◆ For example: if water temperature is 24⁰C then the running time is 24/2=12hours
Recommending to set time as: 8: 00-20: 00

The device can do filtering at night time if noise pollution is not considered.

TROUBLE SHOOTING

PROBLEM	REASON	SOLUTION
Pump is running but filtering effect is not good	Filter bag is removed; Filter bag is not placed correctly in the drums Filter bag is dirty & blocked	Put back the filter bags, replace with clean bags Check if filter bag is installed correctly
Pump is working but no water circulation	Air bubbles, pockets in Pump piping	Open inlet valve and fill with water or start/stop the pump a few times to flush out the air
Pump is working but the water flow is small	Filter bag is dirty	Clean filter bag
	Filter basket is blocked	Clear out the leaves and garbage of the filter basket
	Water line is too low	Fill up the pool to 3/4 skimmer
	Incorrect voltage	Check the voltage of power supply
	Outlet is blocked	Take out front part of jet to check for debris
Water is found on the bottom of the technical house	Pump, pipe or union part is leaking	Tighten the pump union re-seal the connection pipe
Underwater light not working	Water is founded inside the light	Change a new light
	Transformer no work	Check if the outlet of transformer is 12V
	Wrong wire connection	Check if the main power is closed
Turn no the device but it can not work	Outside set filtration time T1,T2,T3	Switch to manual mode check if the device can work

SAFETY

1. ROUTINE

- The device is limited to be used in tap water.
- The filter is limited to be used for swimming pool water treatment and prohibited to be used for other water treatment.
- Periodical checking is necessary.
- Please contact the supplier before you refit any part of the device. Only parts from the manufacturer will ensure smooth running of the filter. Any foreign parts installed without approval will cancel the manufacturer's warranty .
- When working, do not insert & pull out, connect or do other operation.
- It is better to ask authorization personnel for maintenance and repair. Please read this manual before maintenance and repair.
- Please contact the manufacturer or the nearest dealer when there is incorrect operation or damage.

2. NOTES FOR INSTALLATION AND ASSEMBLY

- Before connecting the cable to device, please check if it is installed and connected correct.
- Very important, do not let device and electrical parts get wet when the electricity power is on.

3. NOTES FOR STARTUP

- Check the cable, operation location and others before start-up.
- Do not start filtration function if the water line is not high enough.

4. NOTES FOR MAINTENANCE

- Make sure the power is OFF when opening the technical house cover.

5. NOTES FOR USAGE

- Do not stand on the filter cover.
- Do not let children open the technical house (optional locking device)
- Do not use device as springboard