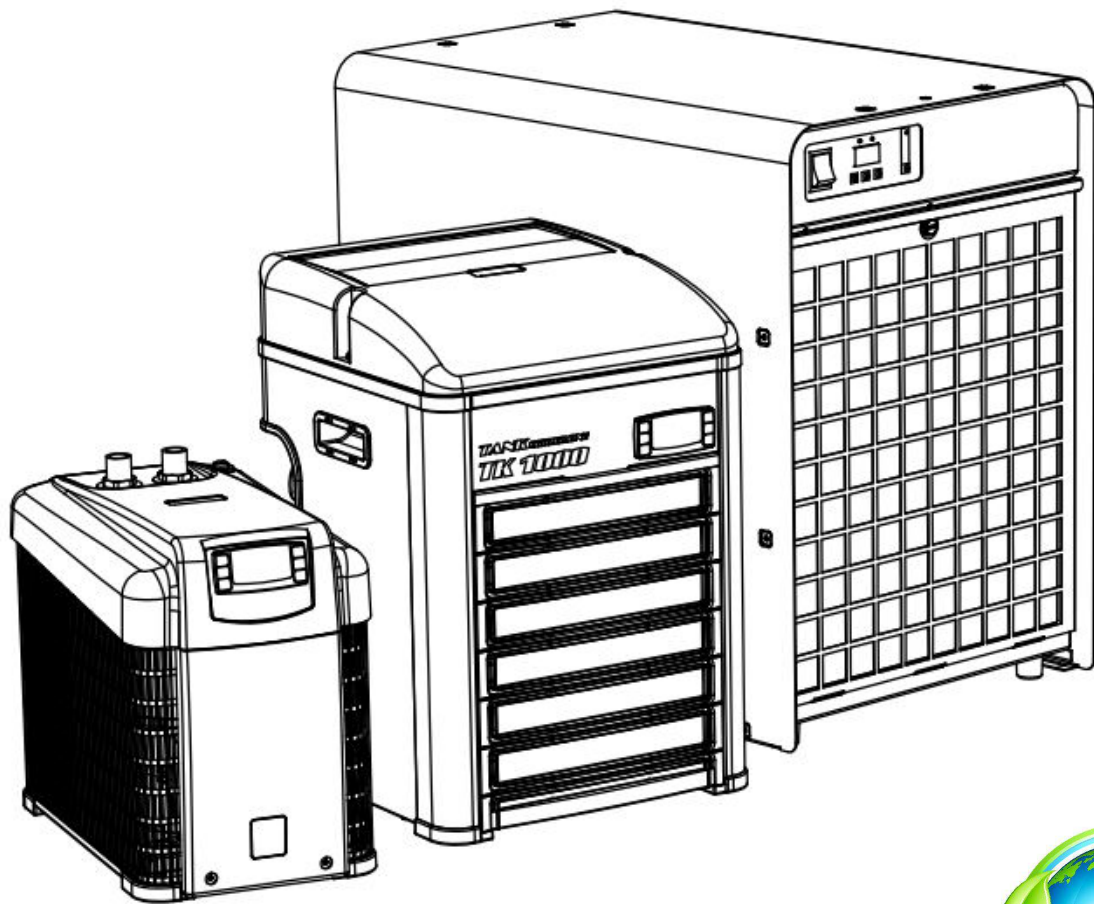


GUIDE FOR FAST SERVICE



TR - TC CHILLERS LINE

1. DISPLAY DOES NOT LIGHT UP:

- *No electricity:*
 - Check if the power supply cable is correctly connected to both the chiller and outlet.
 - Check that the power switch is on "1" position.
 - Check that the fuse is not burnt out.

2. LOW WATER COOLING:

- *The water flow is insufficient:*
 - Check the correct operation of the pump (not included in the chiller package).
 - Check if there is any constriction along the piping that prevents the regular flow.
- *Dirty air filter*
 - Remove the air filter at the bottom of the chiller and wash it with lukewarm water. Do not use objects that could damage the filter.
- *Ambient temperature is too high*
 - Restore the optimal environmental conditions and verify that the air exchange is sufficient. The maximum permissible ambient temperature is 38 ° C (100 ° F). The minimum distances between the walls and the chiller are listed in the instruction manual.
- *Obstructed ventilation grate*
 - Remove the obstruction from the ventilation grate or place the chiller in one most suitable environment.
- *Outgoing air from the ventilation grate at room temperature:*
 - Lack of gas in the compressor. Contact the TECO S.r.l area retailer.
- *Lack of outgoing air from the ventilation grate:*
 - Defective ventilation system. Contact the TECO S.r.l area retailer.

3. LOW WATER HEATING:

- *The water flow is insufficient:*
 - Check the correct operation of the pump (not included in the chiller package).
 - Check if there is any constriction along the piping that prevents the regular flow.
- *Defective heater:*
 - Contact the TECO S.r.l area retailer.

4. ON THE DISPLAY APPEARS THE MESSAGE "E1":

- *Defective water temperature probe:*
 - Contact the TECO S.r.l area retailer.

5. ON THE DISPLAY APPEARS THE MESSAGE “E2”:

- *Defective overheating probe:*
 - Contact the TECO S.r.l area retailer.

6. ON THE DISPLAY APPEARS THE MESSAGE “AL1”:

- *Dirty air filter:*
 - Pull out the air filter at the bottom of the chiller and wash it with lukewarm water. Do not use objects that could damage the filter.
- *Ambient temperature is too high*
 - Restore the optimal environmental conditions and verify that the air exchange is sufficient. The maximum permissible ambient temperature is 38 ° C (100 ° F). The minimum distances between the walls and the chiller are listed in the instruction manual.
- *Obstructed ventilation grate*
 - Remove the obstruction from the ventilation grate or place the chiller in one most suitable environment.
- *Lack of outgoing air from the ventilation grate:*
 - Defective ventilation system. Contact the TECO S.r.l area retailer.

7. ON THE DISPLAY APPEARS THE MESSAGE “AL2”:

- *The UV-C bulb is exhausted (this signal is present only if the sterilization system is installed):*
 - Replace the UV lamp, available by TECO S.r.l retailers.

8. JUST CHANGED THE UV-C LAMP BUT IT APPEARS STILL THE MESSAGE “AL2”:

- The UV-C bulb has not been reset:
 - hold the “UV” button until you hear a ‘beep’. The UV-C lamp timer has now been reset.

9. ON THE DISPLAY APPEAR OTHER WARNINGS:

- Defective thermostat:
 - Try to turn off and on the chiller.
 - Contact the TECO S.r.l area retailer.

10. LOSS OF WATER FROM THE CHILLER:

- *Water connections badly positioned:*
 - turn off the pump and check fittings installation
- *The loss is in the upper part of the chiller:*
 - Water loss may indicate a leak in fittings
 - Contact the TECO S.r.l area retailer.
- *The loss is inside the chiller:*
 - Contact the TECO S.r.l area retailer.

12. SWITCHING ON THE CHILLER CAUSES A POWER OUTAGES:

- *There is a short circuit in the electrical system of the machine:*
 - Contact the TECO S.r.l area retailer.

11. THE TEMPERATURE ON THE DISPLAY IS DIFFERENT FROM THE REAL WATER TEMPERATURE:

- Water doesn't circulate properly within the hydraulic circuit:
 - Check probably constriction in the piping.
 - Verify pump efficiency.
- *Long uninsulated pipes:*
 - Shorten as much as possible the pipes and thermally isolate them.
- The water entering the aquarium is too close to the pump inlet:
 - Lack of good water flow and mixing, change location of re-entry of the water in the aquarium.
- Not calibrated water temperature probe:
 - Calibrate the water temperature probe as described in the paragraph PROBLEMS AND SOLUTIONS of the instruction manual.

TK CHILLER LINE

1. DISPLAY DOES NOT LIGHT UP:

- *No electricity:*
 - Check if the power supply cable is correctly connected to both the chiller and outlet.
 - Check that the power switch is on "1" position.
 - Check that the fuse is not burnt out.

2. LOW WATER COOLING:

- *The water flow is insufficient:*
 - Check the correct operation of the pump (not included in the chiller package).
 - Check if there is any constriction along the piping that prevents the regular flow.
- *Dirty air filter:*
 - Pull out the air filter at the bottom of the chiller and wash it with lukewarm water. Do not use objects that could damage the filter.
- *Incorrect thermostat parameters setting:*
 - Reset all thermostat parameters to the default values ("HY" = 1; "ot" = 0; "o1" = db).
- *Ambient temperature is too high*
 - Restore the optimal environmental conditions and verify that the air exchange is sufficient. The maximum permissible ambient temperature is 38 ° C (100 ° F). The minimum distances between the walls and the chiller are listed in the instruction manual.

- *Obstructed ventilation grate*
 - Remove the obstruction from the ventilation grate or place the chiller in one most suitable environment.
- *Outgoing air from the ventilation grate at room temperature:*
 - Lack of gas in the compressor.
 - Contact the TECO S.r.l area retailer.
- *Lack of outgoing air from the ventilation grate:*
 - Defective ventilation system.
 - Contact the TECO S.r.l area retailer.

3. LOW WATER HEATING:

- *The water flow is insufficient:*
 - Check the correct operation of the pump (not included in the chiller package).
 - Check if there is any constriction along the piping that prevents the regular flow.
- *Incorrect thermostat parameters setting:*
 - Reset all thermostat parameters to the default values ("HY" = 1; "ot" = 0; "o1" = db).
- *Defective heater:*
 - Contact the TECO S.r.l area retailer.

4. ON THE DISPLAY APPEARS THE MESSAGE "P1":

- *Defective water temperature probe:*
 - Contact the TECO S.r.l area retailer.

5. THE TEMPERATURE ON THE DISPLAY IS DIFFERENT FROM THE REAL WATER TEMPERATURE:

- *Water doesn't circulate properly within the hydraulic circuit:*
 - Check probably constriction in the piping.
 - Verify pump efficiency.
- *Long uninsulated pipes:*
 - Shorten as much as possible the pipes and thermally isolate them.
- *The water entering the aquarium is too close to the pump inlet:*
 - Lack of good water flow and mixing, change location of re-entry of the water in the aquarium.
- *Not calibrated water temperature probe:*
 - Calibrate the water temperature probe as described in the paragraph 5.2.2 of the instruction manual: *Thermostat Settings*.

6. LOSS OF WATER FROM THE CHILLER:

- *Water connections badly positioned:*
 - *turn off the pump and check fittings installation*
- *The loss is in the upper part of the chiller:*
 - *water loss may indicate a leak in fittings.*
 - *Contact the TECO S.r.l area retailer.*
- *The loss is inside the chiller:*
 - *Contact the TECO S.r.l area retailer.*