

12 TROUBLESHOOTING



The maintenance operations that ANGELANTONI INDUSTRIE authorizes are those indicated in the chapter entitled “Regular maintenance”. The information given in the column “SOLUTION” in the tables below does not authorize any operations if these compromise safety; the information is given to help any specialized technicians find the fault.

PROBLEM	PROBABLE REASON	SOLUTION
<ul style="list-style-type: none"> The machine does not start. 	<ul style="list-style-type: none"> There is no power supply from the main. The main switch is pointing to “OFF”. The START STOP switch is pointing to “STOP”. A mistake in the “RUN” programming. Alarm signal on the display. Some other reason not mentioned above. 	<ul style="list-style-type: none"> Check and proceed accordingly. Turn on the main switch. Turn on the START STOP switch. Consult KEYKRATOS™ sw and/or the WINKRATOS™ sw handbooks and proceed accordingly. Check the description of the type of alarm on the LCD display and eliminate the cause. Call the technical assistance service.
<ul style="list-style-type: none"> The equipment does not reach the set temperature. 	<ul style="list-style-type: none"> Error in setting of setpoint. There is too much material in the test chamber. The test material prevents correct air circulation. The test material dissipates too much heat. The door is not shut correctly. The cooling system is not working correctly. Continual request for “cold”, the compressor stops every now and again. Continual request for “cold”, the compressor works continuously. 	<ul style="list-style-type: none"> Check and modify. Reduce the quantity. Place the material so that air can circulate through the intake and outlet openings. Check and reduce the load that dissipates the heat according to the technical specifications of the chamber. Check that nothing is preventing it from closing. Check that the condenser fan is working correctly, make sure that the condenser is clean and check that the ambient temperature of the premises does not exceed the value given in the specifications. If the equipment has a water condenser, check that the system has a sufficient water supply; if the system has a sufficient supply and the difference in temperature between the inlet pipe and the outlet pipe is very low or is non-existent, this indicates that the condenser is blocked and has to be cleaned or replaced (the temperature difference can be measured by simply touching the pipes with your hand). If the above solution does not resolve the problem, contact the technical assistance service. There may be an accidental loss of coolant, contact the technical assistance service.

PROBLEM	PROBABLE REASON	SOLUTION
<ul style="list-style-type: none"> The machine does not reach the set temperature. 	<ul style="list-style-type: none"> The cooling system is not working correctly (continual request for “hot”, the temperature does not rise). The temperature adjustment system does not carry out the requests for hot or cold correctly. The internal fan is not working. Some other reason not mentioned above. 	<ul style="list-style-type: none"> Check the maximum and minimum set temperature values on the hardware thermostat. If this does not resolve the problem, contact your technical assistance service. Contact the technical assistance service. Contact the technical assistance service. Contact the technical assistance service.
<ul style="list-style-type: none"> The machine does not reach the set humidity. 	<ul style="list-style-type: none"> Error in setting of setpoint. The wet bulb gauze is dirty or badly positioned. The wet bulb gauze is dry because there is no water in the supply pipe. Error in temperature control. In this condition there is also an error in humidity control. The test material prevents air from circulating correctly. The test material dissipates too much heat. The door is not shut correctly. Continual request for “humidity, (the dehumidification system is not working correctly). Continual request for “dry”, (the dehumidification system is not working correctly). The humidity adjustment system does not carry out the requests for humid or dry correctly. 	<ul style="list-style-type: none"> Check and modify. Check and reposition correctly or replace. Contact the technical assistance service Follow the “solutions” given for “the machine does not reach the set temperature value”. Place the material so that air can circulate through the intake and outlet openings. Check and reduce the load that dissipates the heat according to the technical specifications of the chamber. Close the door correctly. Contact the technical assistance service. Contact the technical assistance service. Contact the technical assistance service
<ul style="list-style-type: none"> The machine is noisy. 	<ul style="list-style-type: none"> The chamber is not resting correctly on the floor. Contact with foreign bodies. Fault in the mechanical parts. The chamber has been placed on a site with a lot of reverberations. 	<ul style="list-style-type: none"> Check that the machine is on a level. Check that foreign bodies, such as cartons or other structures are not touching the equipment thus causing vibrations during operations. Check that moving mechanical parts e.g. fans are not making a noise. Contact the technical assistance service.

PROBLEM	PROBABLE REASON	SOLUTION
<ul style="list-style-type: none"> The light does not switch on. 	<ul style="list-style-type: none"> Lamp burnt out. Faulty switch. 	<ul style="list-style-type: none"> Replace the lamp. Contact the technical assistance service.

Chambers equipped with electromagnetic lock (optional Gatekeeper® system)

<ul style="list-style-type: none"> The door does not open 	<ul style="list-style-type: none"> Card not memorized or scanning error. Code disabled. 	<ul style="list-style-type: none"> Repeat card memorization procedure (see par. 8.5). If the door still does not open, call the technical assistance service. Repeat card memorization procedure (see par. 8.5). If the door still does not open, call the technical assistance service.
<ul style="list-style-type: none"> The door does not close 	<ul style="list-style-type: none"> Switch 23 (see par. 9.1) unserviceable. 	<ul style="list-style-type: none"> Check that the single-use switch is still good.



<ul style="list-style-type: none"> The door does not open when there is an electrical power outage 	<ul style="list-style-type: none"> First 3 hours: defective standby battery. Battery is discharged after a long lack of power. 	<ul style="list-style-type: none"> Call the technical assistance service. Wait until the battery is recharged after the electrical power supply is turned back.
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