

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
The machine does not start.	<ul style="list-style-type: none"> • There is no supply from the electrical mains. • The main switch is pointing to “OFF”. • Incorrect programming of TEST START. • 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. • 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.
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 dissipates too much heat. • The lid is not shut correctly. • Malfunctioning of the cooling system (in the presence of the refrigerating unit) Continual request for “cold”, the compressor stops every now and again. • Continual request for “cold”, the compressor works continuously. • External environmental temperature too high or too low. 	<ul style="list-style-type: none"> • Check and modify. • Reduce the quantity. • 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 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. • Bring the external environmental temperature to an adequate value (as indicated in chapter 3.4).
The machine does not reach the set temperature.	<ul style="list-style-type: none"> • The heating 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. • 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 the technical assistance service. • Contact the technical assistance service. • Contact the technical assistance service.
The machine does not reach the set humidity (only special apparatus).	<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. 	<ul style="list-style-type: none"> • Check and modify. • Check and reposition correctly or replace. • Contact the technical assistance service.

PROBLEM	PROBABLE REASON	SOLUTION
	<ul style="list-style-type: none"> • Error in temperature control. In this condition there is also an error in humidity control. • The lid is not closed properly. • Continual request for “humidity, (the humidification 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"> • Follow the “solutions” given for “the machine does not reach the set temperature value”. • Close it. • Contact the technical assistance service. • Contact the technical assistance service. • Contact the technical assistance service.
Water is not arriving at the humidifier	<ul style="list-style-type: none"> • Humidifier solenoid valve does not open • Humidifier solenoid valve does open 	<ul style="list-style-type: none"> • Control solenoid valve or check electrolevel functionality. • Lack of de-mineralised water or the water pressure is lower than the compressed air pressure.
The humidifier is too full and water escapes from the sprayer	<ul style="list-style-type: none"> • Humidifier solenoid valve does not close correctly 	<ul style="list-style-type: none"> • Disassemble the valve and clean it. If the valve seals are damaged, replace the valve.
Nebulised solution comes out of the sprayer even when it shouldn't	<ul style="list-style-type: none"> • Non-humidified air solenoid valve or humidified air solenoid valve does not close correctly. 	<ul style="list-style-type: none"> • Disassemble one of the valves and clean. If the valve seals are damaged, replace it.
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.
With option SO₂		
SO₂ not introduced into the chamber.	<ul style="list-style-type: none"> • SO₂ supply valve is closed. • Internal SO₂ valve (27) is closed. • Internal SO₂ solenoid valve does not open. • Other reason. 	<ul style="list-style-type: none"> • Open the SO₂ supply valve. • Open the SO₂ internal valve (27). • Contact the technical assistance service. • Contact the technical assistance service.
SO₂ exhaust during the test.	<ul style="list-style-type: none"> • The lid is not locked. • The exhaust solenoid valve does not close. 	<ul style="list-style-type: none"> • Lock the lid. • Contact the technical assistance service.
DCTC 1200 P + VDA + NISSAN + RENAULT model		
The machine does not reach the low valve of desired humidity.	<ul style="list-style-type: none"> • Compressed air lack. • Drying system. 	<ul style="list-style-type: none"> • Restore compressed air supply. • Check air filters and change them if necessary; - please refer to the enclosed manual for dryers mod. HMC1.