

TC-610H PLUS Manual

This manual contains important information on the correct operation, maintenance and safety information of the compressor, all of which should be strictly adhered to. Failure to do so may cause damage to the product and/or potential hazards which are not covered under SPARMAX warranty.

Each SPARMAX compressor is tested and fully inspected to ensure its quality and performance are up to strict standards at the time of factory dispatch.

IMPORTANT SAFETY INFORMATION

WARNINGS

Failure to follow may result in serious injury, electric shock, or fire.

- This compressor is intended only for airbrushing. Any other use is improper and may cause injury or damage.

NOTE: The manufacturer shall not be held liable for any damage or injury resulting from misuse or use outside the defined application scope.

- Children aged under 8 years must not use this appliance. Children aged 8 years and above, and persons with reduced physical, sensory or mental capabilities can use this appliance if they have been given supervision or instruction.
- Never aim the air stream at people or animals.
- Use only with the voltage and frequency indicated on the rating label.
- Do not insert any foreign objects into the compressor.
- Do not expose the compressor to rain, moisture, or water.
- Do not disassemble, modify, or attempt repair.
- Stop immediately if abnormal odor, smoke, or noise occurs.

CAUTIONS

Failure to follow these instructions may result in minor injury or damage to the product.

- Operate only within 10 °C to 35 °C ambient temperature.
- Place on a flat, stable, well-ventilated surface.
- Do not leave running unattended.
- Surfaces may become hot — allow to cool before handling.

NOTE: A slight odor on first use is normal and will fade.

DISPOSAL INFORMATION



This indicates that the product must not be disposed of with household waste.

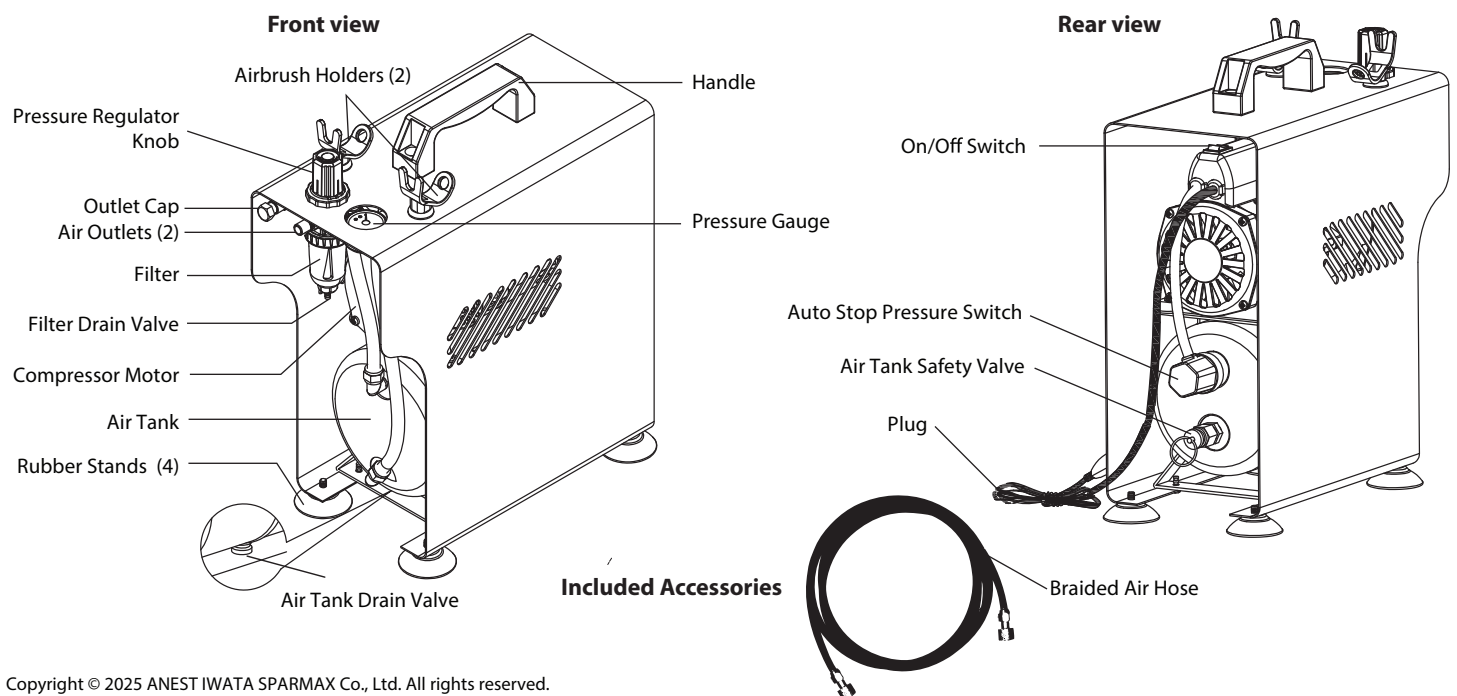
When the product reaches the end of its life, please return it to a designated collection point for the recycling of electrical and electronic equipment, or contact your local distributor for proper disposal methods in accordance with local regulations.

PARTS DIAGRAM

Please check that all parts are present and in good condition.

Report any transportation damage **immediately** to the original seller.

Refer to the rating label for product specifications.



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SET UP

1. Connect the included Braided Air Hose between the compressor's Air Outlet and the airbrush.
NOTE: The standard hose fitting is 1/8" PS.
 - If your airbrush has a different fitting size, use a compatible adaptor. Adaptors for Aztek, Badger and Paasche airbrushes are included.
 - For other adaptors, please consult your original seller.
2. To connect a second airbrush, remove the Outlet Cap and attach another hose (not included).
NOTE: The compressor may not support both airbrushes at once, depending on the air consumption.
3. Insert the two airbrush holders into the rubber grommets on top of the case. Press down firmly to secure them in place.

OPERATION

1. Plug the compressor into a power outlet. Press the On/Off switch to turn it on.
2. The Auto Stop Pressure Switch stops the compressor when the tank pressure reaches 60 psi, and restarts when dropped to 40 psi. If the Auto Stop function does not activate and the compressor runs continuously, do not allow the compressor to operate above 80 psi, and limit operation to 40 minutes max before resting. Do not attempt to remove the Auto Stop.
NOTE: The Air Tank is equipped with a Safety Valve to protect against over-pressure. If the tank pressure exceeds the safe limit of 100 psi, the valve will automatically release air to prevent damage and ensure user safety. Do not tamper with or remove the safety valve. If the valve releases air frequently, stop using the compressor and contact your original seller.
3. To adjust air pressure,
 - Pull up the black regulator knob until you hear a click.
 - Turn clockwise to increase pressure ("+"), or counter-clockwise to decrease ("–").
 - Stop turning when you hear another click (end of range).
 - Push the knob down to lock the pressure setting.**NOTE: Adjust pressure only when the compressor is on, the airbrush is connected, and the trigger is pressed.**
4. The pressure gauge shows real-time delivery pressure from the regulator.
5. When condensation builds up in the Filter, press the Filter Drain Valve to release moisture.
TIP: Hold a paper towel under the drain to collect released water. Drain more often with increased humidity.
6. Place airbrushes in the holders when not in use.
7. Do not touch exposed metal parts during or immediately after use — the unit may remain hot for several minutes after operation.
8. Run the unit continuously for no more than 1 hour with auto stop active. After 1 hour, switch off and let the unit cool for 10–15 minutes before restarting.
9. The built-in thermal switch will automatically stop the compressor if it overheats. If this occurs, turn the unit off using the On/Off Switch. Let it cool for 10–15 minutes before restarting.
10. At the end of each session, turn off the compressor, unplug it, and follow the **MAINTENANCE** instructions below.

MAINTENANCE

1. Press the Filter Drain Valve to release built up moisture and condensed water.
2. Release remaining pressure by pressing the airbrush trigger.
3. Place a container under the Air Tank Drain Valve, open it, and gently tip the compressor back and forth to drain. Close the valve afterward.
NOTE: Due to the structure of the Air Tank and Drain Valve, some moisture will always remain inside. Natural corrosion will occur over time, which may cause yellowish water even after the first use. This is normal and does not affect the performance or safety of the Air Tank.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Motor does not run	No power	<ul style="list-style-type: none">• Make sure it is plugged in and switched on.
Auto Stop does not activate	Air leak	<ul style="list-style-type: none">• Apply soap-and-water solution to all connections. Bubbles indicate a leak → tighten connections.• Inspect hose(s) for damage, replace if needed.• Make sure the Air Tank Drain Valve is closed.
Low pressure	Air leak	<ul style="list-style-type: none">• Apply soap-and-water solution to all connections. Bubbles indicate a leak → tighten connections.• Inspect hose(s) for damage, replace if needed.• Make sure the Air Tank Drain Valve is closed.
Motor stops during operation	Activation of Auto Stop	<ul style="list-style-type: none">• Once pressure drops to 40 psi, motor will restart.
	Overheat - activation of Thermal Safety Switch	<ul style="list-style-type: none">• Turn off the compressor and allow to cool for 10~15 minutes before turning back on.

IMPORTANT: If the issue persists after performing the above steps, turn off the compressor immediately and contact the original seller. Provide the serial number, operating conditions, and a description of the problem.