

TC-501N 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.

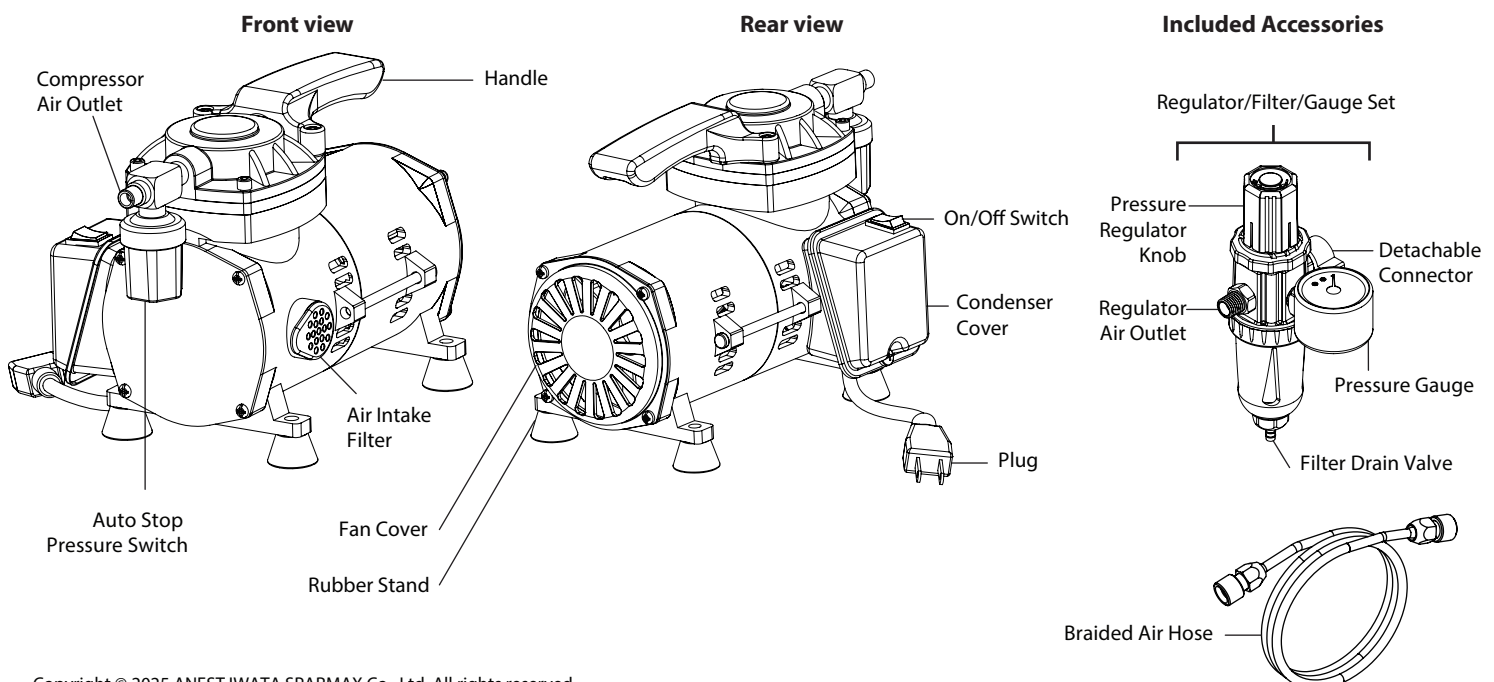
When the product reaches the end of its life, please return it to a designated collection point for the recycling of electrical and electronic equipment, or contact your local distributor for proper disposal methods in accordance with local regulations.

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 Detachable Connector of Regulator/Filter/Gauge Set to the Compressor Air Outlet.
2. Connect the braided air hose between the Regulator Air Outlet and the airbrush.

NOTE: The standard hose fitting is 1/8" PS.

- If your airbrush has a different fitting size, you will need a compatible adaptor.
- Please consult your original seller for the correct adaptor.

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 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.
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. Do not touch exposed metal parts during or immediately after use — the unit may remain hot for several minutes after operation.
7. 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.
8. 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.
9. At the end of each session, turn off the compressor, unplug it, and follow the MAINTENANCE instructions below.

MAINTENANCE

1. Push up the Filter Drain Valve to release built up moisture and condensed water.
2. Release remaining pressure by pressing the airbrush trigger.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Motor does not run	No power	• Make sure it is plugged in and switched on.
Auto Stop does not activate	Air leak	• Apply soap-and-water solution to all connections. Bubbles indicate a leak → tighten connections. • Inspect hose(s) for damage, replace if needed.
Low pressure	Air leak	• Apply soap-and-water solution to all connections. Bubbles indicate a leak → tighten connections. • Inspect hose(s) for damage, replace if needed.
Motor stops during operation	Activation of Auto Stop	• Once pressure drops to 40 psi, motor will restart.
	Overheat - activation of Thermal Safety Switch	• 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.