

# TC-610H (Quantum) 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 of 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

### WARNING:

**DO NOT** apply voltage and frequency different from those specified on voltage label at the bottom of the unit.

### CAUTIONS:

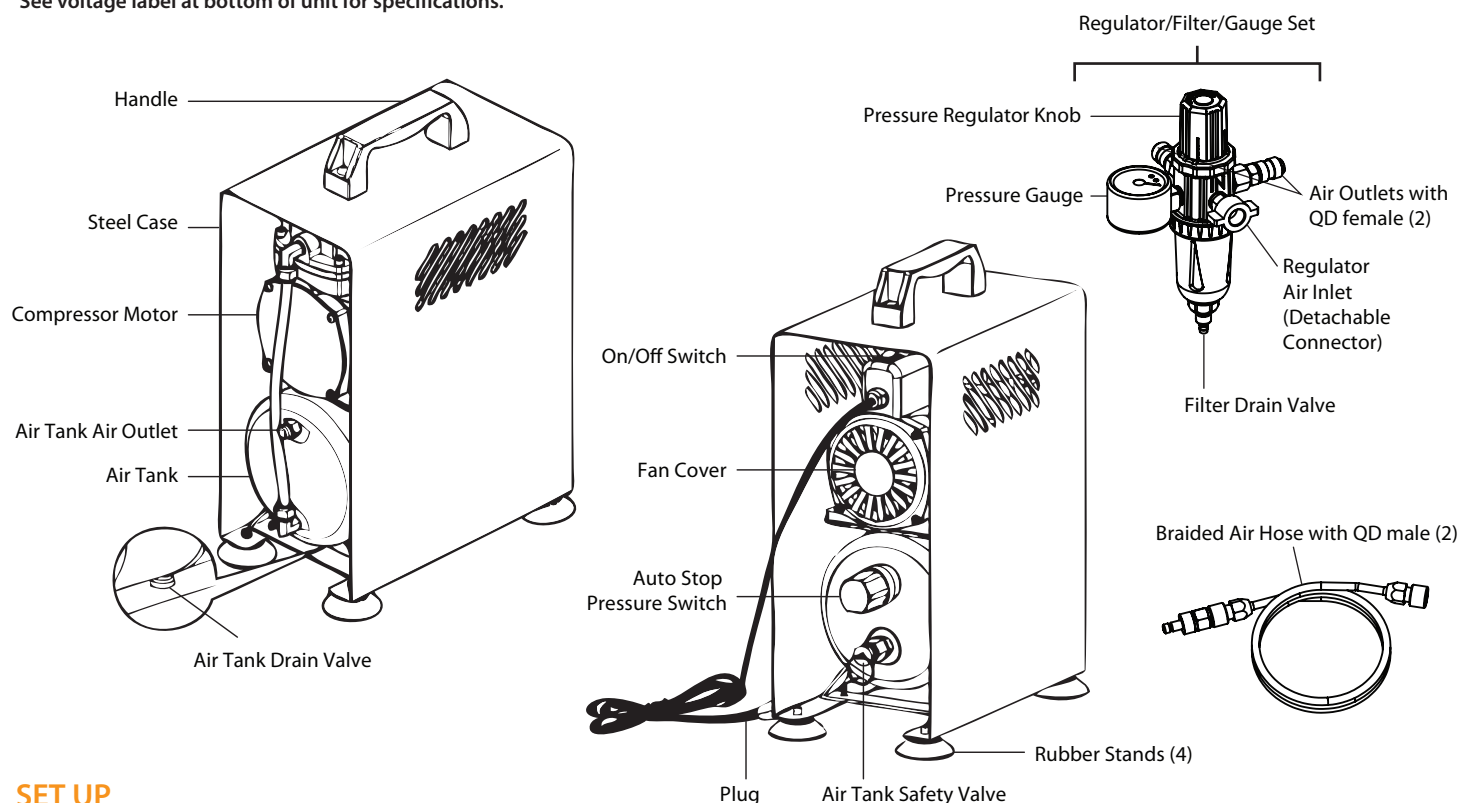
1. **ONLY** operate the compressor in dry, well-ventilated areas on a flat surface.
2. **DO NOT** leave the compressor in operation unattended.
3. **DO NOT** insert any foreign objects into the compressor or disassemble/modify/repair it in any way.
4. **DO NOT** touch the compressor during or soon after operation since it will become hot.
5. **STOP** and turn off the compressor immediately if burnt odor, white smoke, odd noises, or other abnormalities are detected.

**NOTE: Emission of an oil-like odor during the first few uses of a new unit is normal. The odor will gradually lessen and disappear.**

## PARTS DIAGRAM

Check all parts are present and in good condition. Any transportation damages should be reported immediately to the original seller.

See voltage label at bottom of unit for specifications.



## SET UP

1. Connect Detachable Connector of Regulator/Filter/Gauge Set to Air Tank Air Outlet.
2. The Pressure Regulator has 2 outlets with QD female and therefore allows simultaneous attachment of two airbrushes. Plug the hose end with QD male into the QD female, and connect the other end to the airbrush. Make sure all connections are tight.

**NOTE: If your airbrush fitting is not 1/8" PS, select from the Aztek, Badger and Paasche airbrush adaptors included for your convenience, and screw onto the airbrush and hose.**

3. To connect to a 2nd airbrush, plug the 2nd hose end with QD male into the QD female on the 2nd Outlet. Depending on the air consumption of the 2 airbrushes connected, the compressor may or may not support the simultaneous use of both airbrushes.

# TC-610H (Quantum) Manual



## OPERATION

1. Plug the compressor into a wall socket that supplies matching voltage and frequency to those indicated on the voltage label of the unit.
2. Flip the On/Off Switch to I (On) to turn on the compressor. The compressor will continue to run until the Air Tank reaches the Auto OFF setting.
3. Pull up the Pressure Regulator Knob and turn clockwise until you hear a click, which indicates the pressure is turned up to its maximum.
4. Press the airbrush trigger and check the Pressure Gauge reading. This is the maximum allowable working pressure of this specific airbrush-compressor combination.
5. To adjust working pressure, pull up the Pressure Regulator Knob, and with the airbrush trigger still depressed: turn the Knob counter-clockwise to decrease, clockwise to increase. Push down the Knob to lock into the pressure setting.
6. Once the Air Tank pressure drops to the Auto ON setting during airbrushing, the compressor will automatically start again until it reaches the auto OFF setting.
7. Continuous operation of the compressor is suggested for no more than 1 hour with the Auto Stop Pressure Switch in action. Turn off the compressor by flipping the On/Off Switch to 0 (OFF), and allow it to cool for 10~15 minutes before turning it back on.

**CAUTION: If the Auto Stop function does not activate, and the compressor is running non-stop, limit continuous use to 40 minutes, and do not allow the compressor to run above 80 psi.**

8. For safety purpose, the compressor is equipped with a thermal switch. If the temperature rise reaches the thermal limit, the compressor will shut down automatically. Turn off the compressor and allow it to cool for 10~15 minutes before turning it back on.
9. At the end of each session, turn off, unplug the compressor, and follow the **MAINTENANCE** instructions.

## 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.
3. Holding a container below the Air Tank Drain Valve, open the Drain Valve, tip the compressor back and forth gently to drain, then close the Drain Valve.

**NOTE: Due to structural limit of the Air Tank and Drain Valve, some moisture and water would always remain within the Air Tank despite proper drainage after each use, and the natural corrosion process will take place continuously, resulting in yellowish drained water even after the first use.**

**This is normal and does not affect the performance or safety of the Air Tank.**

## TROUBLESHOOTING

### Auto Stop Turns the Compressor On and Off Without Airbrush Trigger Depressed

1. Apply soap water at connections, tighten connections with bubbling which indicates air leak.
2. Inspect the hose for damage or try using another hose.

### Other Issues

For all other issues including, but not limited to the below, please turn off the compressor, contact the original seller with a description of the issue encountered, serial number on the voltage label, working conditions, i.e. frequency and duration of each continuous use, purchase date, and how long was the unit used since initial purchase.

1. No pressure.
2. Low pressure.
3. Auto Stop does not activate.
4. Motor doesn't run, note whether there is humming sound.

## WARRANTY

Each SPARMAX compressor is tested and fully inspected to ensure its quality and performance at the time of factory dispatch. Warranted for **TWO** years from date of factory dispatch against workmanship or material defect resulting in inoperable compressor. Exclude parts subject to wear: auto stop pressure switch, piston set, etc. and damage or loss caused by improper use, unauthorized alteration and negligence.