



Operations & Maintenance Manual

Model: SPM504 Premium Brushless Solder Pure Multi User Fume Capture

1.0 IMPORTANT:

Save shipping box and foam for future service. Shipping without proper foam will cause damage to unit.

2.0 SAFETY PRECAUTIONS

Carefully read instructions in this manual before operation (keep manual as it contains information for proper operation and maintenance). Keep all fastening hardware tight to ensure that the unit is in safe working condition. Familiarise yourself with the way in which the special filter is removed, installed, and serviced. Filter must be in place whenever this machine is in operation. Use only on grounded electrical circuit; do not use two-wire electrical prong adapters to defeat the three-pronged plug on the end of the cord. When servicing motor, be careful when touching exterior of motor when it is turned off; it may be hot enough to be painful or cause injury. **Do not substitute any other filter for the one supplied, as it will alter the design characteristics. UNPLUG UNIT FROM ITS POWER SUPPLY PRIOR TO SERVICING!**

3.0 SYSTEM COMPONENTS

Description	SPM504-1	SPM504-2	SPM504-3	SPM504-4	SPM504-5
Airflow (Free Air)	475	475	475	475	475
Stage 1 Filter (Dust)	F265	F007	F007	F007	F007
Stage 2 Filter (HEPA)	F357	F357	F022	F357	n/a
Stage 3 Filter (ODOR)	F033-GPC	F045-GPC	F033-GPC	F045-GPC	F033-GPC (2x)
Dimensions, Height:	30" (762mm)	30" (762mm)	30" (762mm)	30" (762mm)	30" (762mm)
Dimensions, Width:	23" (585mm)	23" (585mm)	23" (585mm)	23" (585mm)	23" (585mm)
Dimensions Depth:	15" (381mm)	15" (381mm)	15" (381mm)	15" (381mm)	15" (381mm)
Voltage / Current:	120/1/60, 9.2amps	120/1/60, 9.2amps	120/1/60, 9.2amps	120/1/60, 9.2amps	120/1/60, 9.2amps
Max. Power, approx. Weight:	740watts, 180lbs (82kgs)	740watts, 180lbs (82kgs)	740watts, 180lbs (82kgs)	740watts, 180lbs (82kgs)	740watts, 180lbs (82kgs)

4.0 UNIT INSPECTION

Upon receipt, inspect unit for either visible or concealed damage. Damage should be immediately reported to the transport company. **If you suspect concealed damages inside the box indicate so on the transport companies' shipping documents.**

5.0 ASSEMBLY

Unit is shipped in 1 box:

- Remove cardboard packaging
- Lift unit off the pallet and place in required location
- **Open Front Filter door, remove Manual, Power cord set AND REMOVE PLASTIC from HEPA Filter**

6.0 PRE START-UP CHECKLIST

- a) Check that all internal components are present and are adequately supported;
- b) Open Front Filter Access Door and ensure filters are positioned as per photo below
- c) Check that labels and serial numbers are present for future identification;
- d) Verify power supply is compatible with equipment (120-volt/1 phase/60hz). Check that the unit is plugged into a grounded receptacle;
- e) Ensure that rubber grommets are tight and secure prior to placing unit on the floor.

7.0 START-UP

- a) Ensure door closes tightly;
- b) Insert male end of cord into wall outlet. Unit should be connected to an independent circuit;
- c) Switch power toggle to "ON" position to ensure system operation.

WARNING: DO NOT OPERATE UNIT UNLESS FILTER IS IN PLACE.

8.0 EQUIPMENT MAINTENANCE PROCEDURES

Proper maintenance is critical in extending life of unit. The information presented below outlines basic maintenance procedures ensuring the **SPM** unit will provide trouble-free operation in future. The **SPM** is designed to allow quick access to the filters.

Blowers and motors which **DO NOT** require service on a regular basis, are located underneath the unit.

9.0 TROUBLESHOOTING

Symptoms	Possible Cause	Suggested Solution
Unit will not start	<ul style="list-style-type: none"> - Faulty Power supply - Blown fuse - Unit not plugged into receptacle 	<ul style="list-style-type: none"> - Check breaker box - Replace fuse - Plug unit in
Excessive noise	<ul style="list-style-type: none"> - Blower wheel contacting blower, housing or cone - Motor bearings are worn 	<ul style="list-style-type: none"> - Realign/replace wheel - replace motor
Insufficient airflow	<ul style="list-style-type: none"> - Obstruction in system - Clogged Dust Pad - Clogged Filter Bag - Clogged HEPA Filter 	<ul style="list-style-type: none"> - Remove obstruction - Replace filters - Replace filters - Replace filter
Motor Shuts off, then back on after 30 minutes	<ul style="list-style-type: none"> - Motor Amp Draw too high 	<ul style="list-style-type: none"> - ensure filter is in place
Excessive airflow	<ul style="list-style-type: none"> - Filter not in place 	<ul style="list-style-type: none"> - Install filter

10.0 WARRANTY

QUATRO Air Technologies warrants its equipment to be free from defect in material and workmanship under normal use and service for a period of one year from date of shipment. QUATRO's obligation under this warranty shall be limited to replacing any parts, thereof, which shall be demonstrated to have been defective. This is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness.

QUATRO claims no warranty as to merchantability or as to the fitness of the merchandise for any particular use and shall not be liable for any loss or damage. No person, firm or corporation is authorised to assume for QUATRO any other liability in connection with the sale of these goods. Equipment, parts and material manufactured by others and incorporated in QUATRO's equipment are warranted by QUATRO only to the extent of the original manufacturer's liability to QUATRO Air Technologies Inc.

Conditions and Limitations: **This warranty does not cover** abuse, misuse, maintenance negligence, improper assembly, acts of vandalism, acts of God, fear wear, modifications of the equipment or installation of a part not recommended by QUATRO Air Technologies, as well as operation of the equipment at voltages other than those specified by QUATRO Air Technologies Inc.