



Fume Arm Filtration Operations Manual

Fume Arm Filtration

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. The continual observance of these procedures will help increase your production and extend the life of the equipment.

Safety Instructions

The user of electrical products may create hazards that include, but are not limited to injury, fire, electrical shock. Failure to follow these instructions may damage and/or impair its operation and void the warranty.

- Before operating, remove all packaging material and check for any damage that may have occurred during shipping. Check for any missing items.
- Check power supply to ensure it matches the appliance's specification.
- Use only on GFCI protected receptacles. Please contact a qualified electrician for verification and / or installation of a GFCI receptacle if necessary.
- **DO NOT** run cord under carpeting. **DO NOT** cover cord with throw rugs, runners, or similar coverings. **DO NOT** route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- **DO NOT** touch this appliance or the plug with wet hands or while standing in water.
- **DO NOT** operate the appliance in any pooled water.
- **DO NOT** use the product in areas where gasoline, paint or other flammable goods and objects are used or stored.
- **DO NOT** insert or allow objects to enter any ventilation or exhaust opening as this may damage the appliance and void the warranty.
- **DO NOT** cover the air inlet or outlet on the appliance.
- **DO NOT** direct the air flow at human faces or bodies.
- **DO NOT** allow children to play with this appliance.
- **AUTOMATICALLY OPERATED DEVICE** – To reduce the risk of injury, disconnect from power supply before servicing.
- Remove the power cord from the electrical receptacle by grasping and pulling on the power cord plug-end only, **DO NOT** pull the cord directly.
- **DO NOT** attempt to repair or adjust any electrical or mechanical functions of this appliance, as this may cause danger and void the warranty.
- If the appliance is damaged or it malfunctions, **DO NOT** continue to use it. Unplug the product from the electrical outlet. Refer to troubleshooting guide or contact distributor.

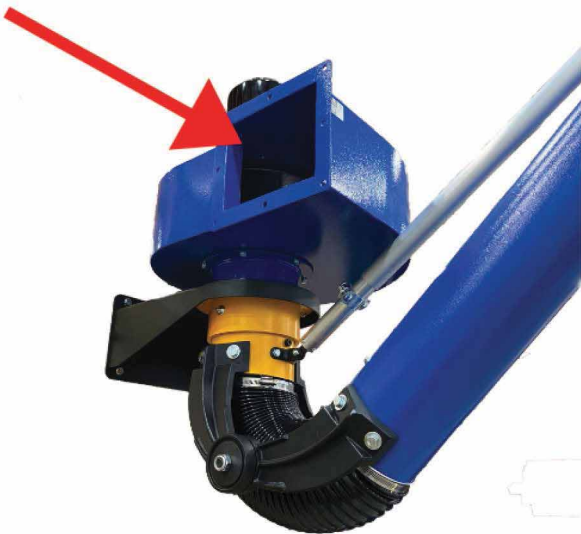
1. Mount bracket to the wall.



2. Set fan onto the bracket. Do not bolt completely just yet. (Do not use duct collar provided with the arm during this set up.)



3. Take off flanged connection.



4. Mount fume arm to bracket. Before mounting, look at fume arm IOM for proper arm setup prior to installation.



5. Put filter unit end cap on fan. Check gasket on back of filter unit end cap to make sure it is secure. **PM CHECK:** If gasket gets worn it will need to be replaced.



6. Put fan cover back on unit with four attachment bolts. **SAFETY:** The fan cover must be added to guard against entry into fan.



7. Attach filter to fan. Use hole provided (indicated by red arrow) as a safety harness point to the ceiling or other sound structure.



8. Have a qualified electrician wire the fan. Refer to fan IOM for proper installation.

PREVENTATIVE MAINTENANCE

Depending on dust collected, use appropriate PPE. Periodically check filter conditions by removing filter. Filter can be cleaned and loose particulate removed by gently tapping on a solid surface.

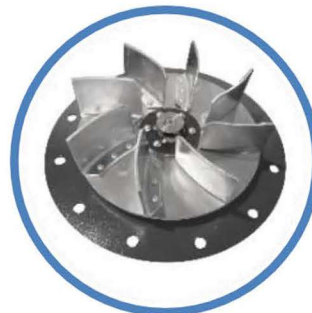
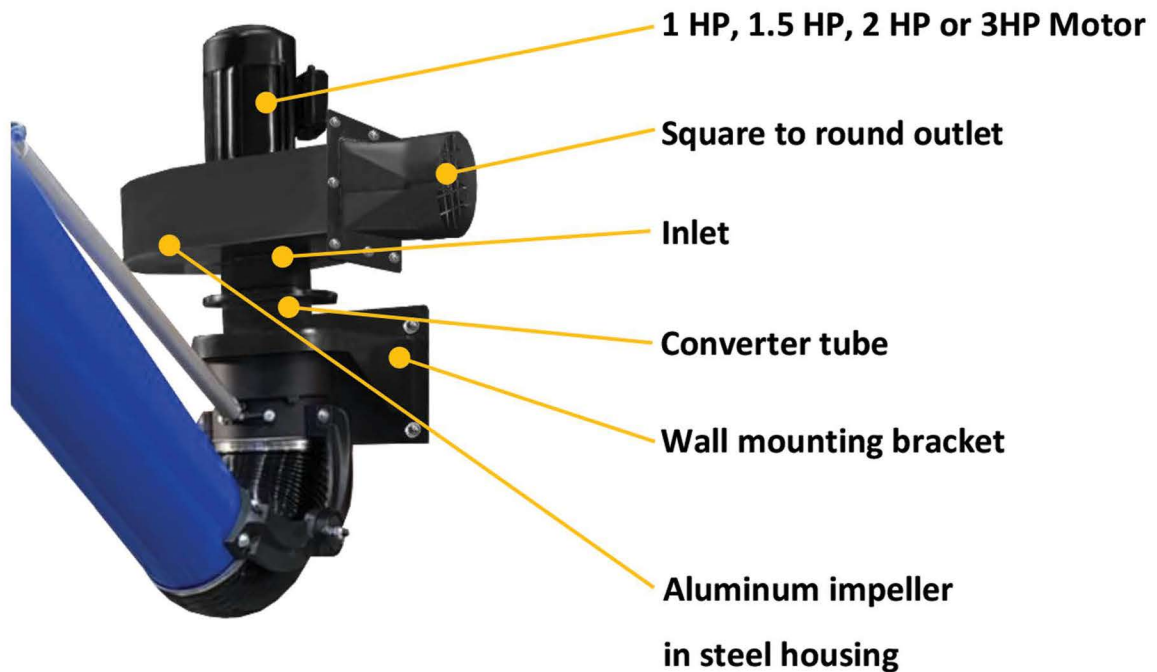
If airflow remains weak after cleaning, or it is worn/damaged, replacement is necessary. When replacing the filter, place dusty filter gently into a plastic bag. Tie or tape the bag shut. Dispose of in accordance with local regulations.

Extraction Fans

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Parts Description

Refer to the following figures and descriptions to better understand the instructions in this manual.



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Safety Instructions of Extractions Fans

⚠ DANGER: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury.

NOTE: Alerts the user to useful information about proper operation of the machine to avoid machine damage.

⚠ WARNING: To reduce your risk of serious injury, read this Manual carefully before operating the product and preserve the Operation Manual properly.

- Keep children, the elderly, handicapped people, and others who are not familiar with this piece of equipment away from it during operation.
- Safely store all tools when not in use. Store tools in a dry safe place to inhibit rust. Always lock up tools and keep them out of reach of children and others.
- Always use common sense and exercise caution. Do not operate under the influence of drugs or alcohol, when tired, or when distracted.
- Do not wear loose fitting clothing or jewelry as they can be caught in moving machine parts. Use proper welding clothing and eye protection when using this product for welding fume extraction.
- Keep work area clean and organized. Cluttered areas can be unsafe and dangerous during operation.

- Ensure that the working environment is suitable for this machine. Do not use this product in areas that are wet, cluttered, or have poor lighting.

⚠ WARNING: To reduce the risk of accidental injury, never leave machine running while unattended.

- Check for damaged parts before using machinery. Repair or replace any damaged parts before operation.
- Do not clean, repair, or replace any parts unless power to the machine is off.
- Replace the damaged parts by the instructions of the manual. If the said instructions are not specified in the manual, then contact your dealer.
- If the machine breaks down, contact your dealer immediately. Do not attempt to repair to avoid damaging the machine.
- All wires used by the product shall be safely located to prevent personal contact with the wires.

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- Do not drag the electrical wires with force and do not use the wires if frayed or current leakage occurs to avoid harming the operator.

NOTE: The original manufacturer's parts and accessories shall be used to avoid injuries from occurring. If any problem happens, contact your dealer immediately.

- Keep machine away from oil, chemicals or flammables, as sparks may ignite these materials and cause explosion.
- When the fan blades are operated at high-speed, do not reach hand near these blades to prevent finger from breaking or clothes/necktie from getting caught.
- Do not put hand or foreign matter into the air inlet to avoid getting caught due to the high-speed rotation of fan blades.

Electrical Installation

- Check if the voltage, phase count and earth wire fit the machine.
- Inspect power and control cables periodically. Replace if damaged or bare wires are exposed.
- Be sure to follow local electrical codes and the electrical safety standards when connecting the machine.

⚠ CAUTION: For your safety, all electrical wire connections and installation shall be carried out by a professional technician.

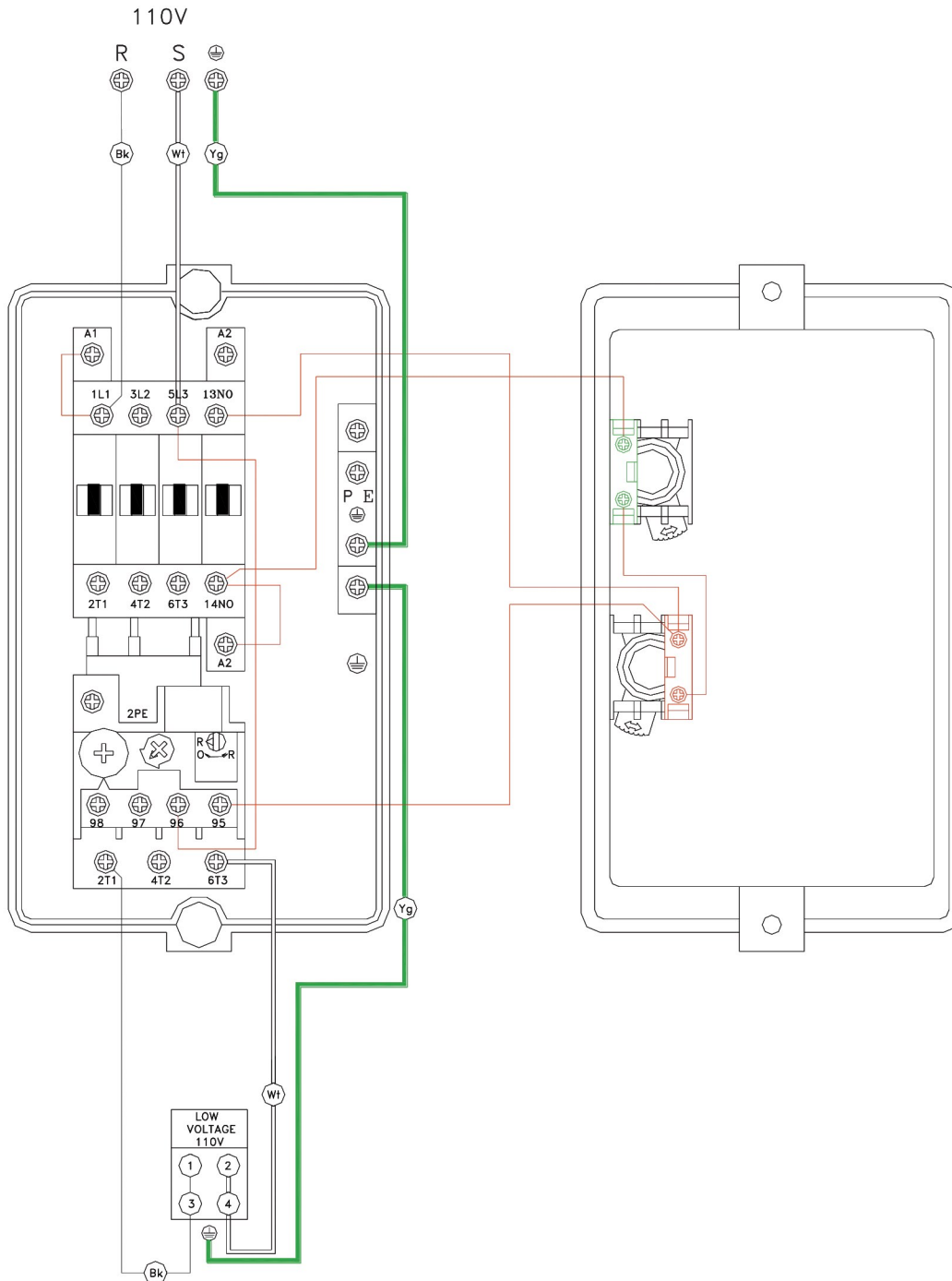
- In the event of certain malfunctions or breakdowns, grounding provides a path of least resistance for electric current to reduce the risk of electric shock.
- Before connecting the electric cord, make sure the switch is in the "OFF" position.

⚠ WARNING: If machine is not properly grounded and connected to power supply, can result in risk of electric shock.

Extraction Fans

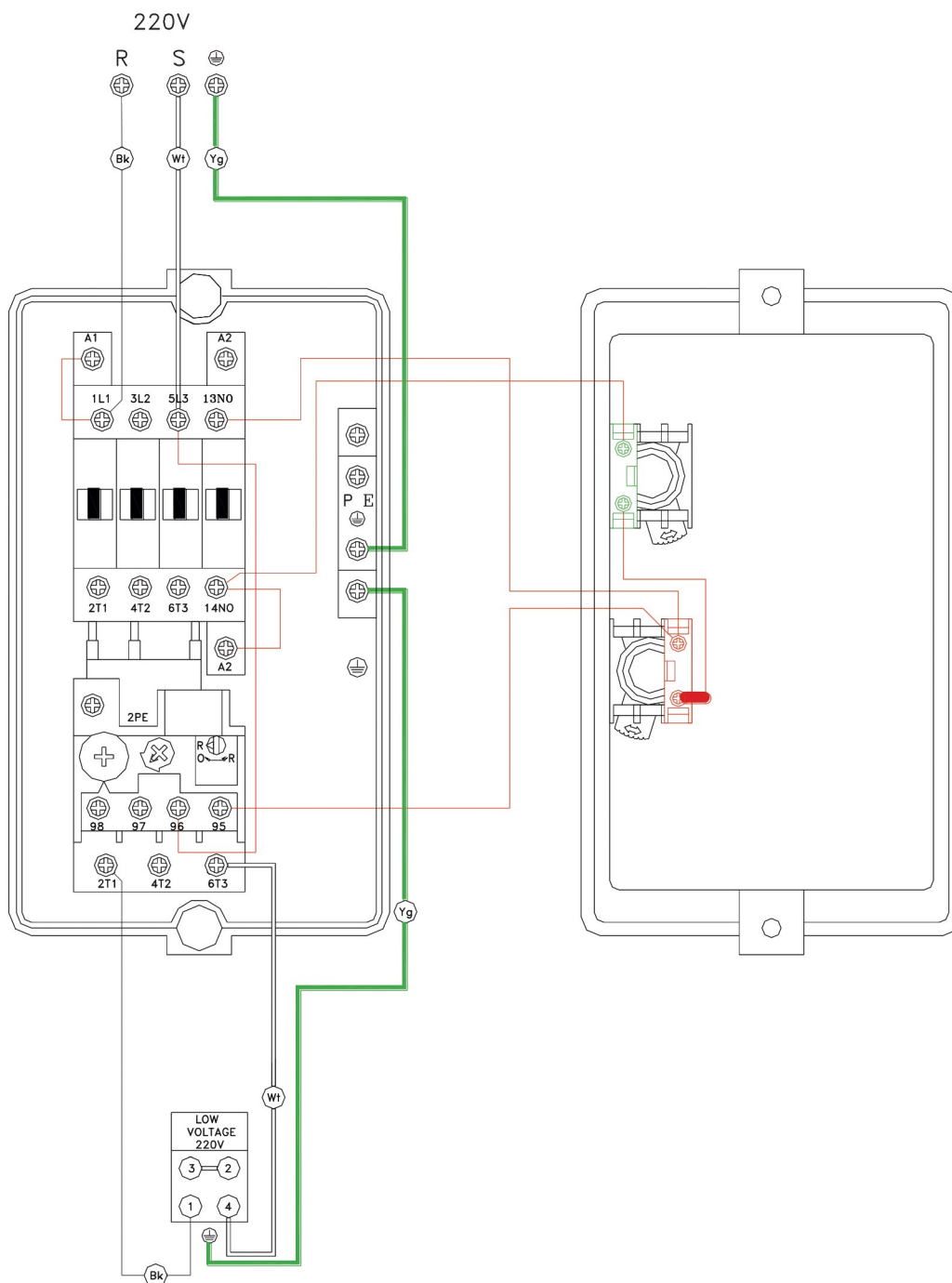
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Electric Circuit Diagram



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