

SOURCETEC INDUSTRIES INC.

SV-1100 MOBILE FILTER UNIT



*The future is clean air ... the future is **Sourcetec**®*

INSTALLATION INSTRUCTION AND MAINTENANCE MANUAL



WARNING!



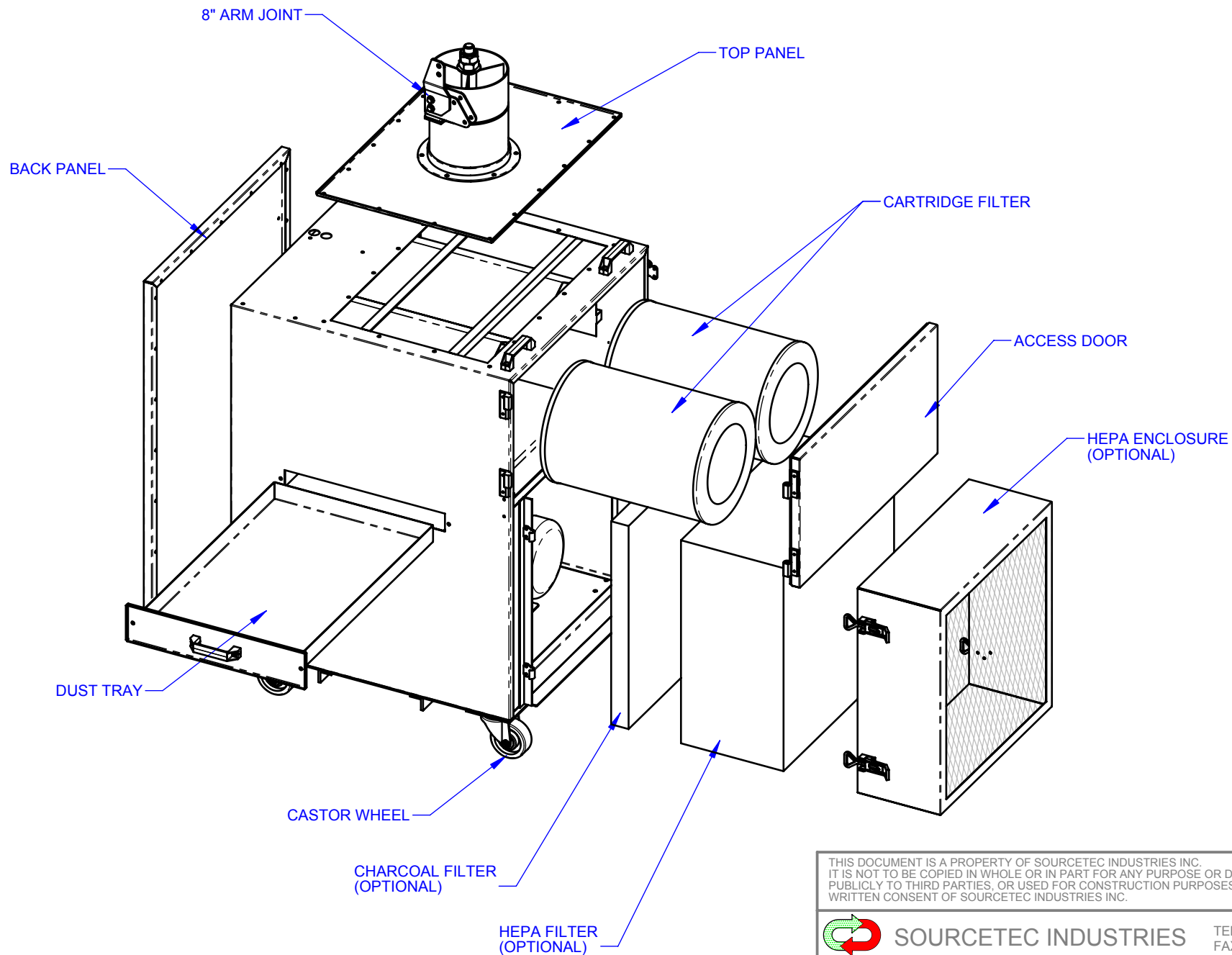
CARELESS OR IMPROPER USE MAY RESULT IN PERSONAL INJURY. READ SAFETY PRECAUTIONS AND INSTRUCTIONS PRIOR TO OPERATING THIS PRODUCT.

SOURCETEC INDUSTRIES INC.

www.sourcetecindustries.com

TOLL FREE: 1-800-784-2383

OMSV112012-01



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SOURCETEC INDUSTRIES

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| DRAWN BY: L.B.M | DESCRIPTION: FILTER UNIT | | |
| DATE: JAN 12, 2009 | ASSEMBLING DRAWING | | |
| MATL: MILD STEEL | PRODUCT No: | SV-1100 | REV.1 |
| SCALE: 1:16 | WGT: 300 lbs. | DRAWING No: OMSV112012-01-01 | SHEET 1 OF 1 |

DESCRIPTION

The Sourcetec SV-1100 mobile filter unit is ruggedly constructed unit used for direct source capture of various airborne contaminants such as dust, smoke, WELD FUMES and other atmospheric pollutants. The SV-1100 is constructed of a 12 gauge steel welded cabinet, painted inside and out with chip resistant electrostatically applied finish. Equipped with fully hinged filter access door with positive locking mechanism, 4" (100mm) diameter ball bearing caster wheels. SV-1100 can be used with a flexible hose or flexible fume arm [1 x 8" arm or 2 x 6" arm(s)] self supporting with hose and hood with 4 way swivel.

STANDARD FEATURES

- ☒ Self Cleaning mechanism (70-90psi)
- ☒ Cabinet Mounted Control Panel with Selector Switch STOP/START/CLEAN.
(Field wiring is required)

OPTIONS

- ☐ Local switch on hood to turn unit ON/OFF
- ☐ Light package on hood, with screen
- ☐ Explosion proof motor with special coating (non self clean mechanism units)
- ☐ 6ft (1.5m), 8ft (2m), 10ft (3m) external supported arms
- ☐ Other voltages-208-240/460/3/60
- ☐ Gas Filter Kit
- ☐ HEPA Filter
- ☐ Pressure Gauge

SPECIFICATIONS

Height: 45" (1143mm)

Width: 29" (737mm)

Depth: 32" (813mm)

Weight: 294 lbs (134 kgs)

Electric: 3HP, 575volt, three phase, 3500rpm, 3.0Amps or
208 volt, three phase, 3500rpm, 7.9Amps

BLOWER: 13" Pressure Blower

FILTRATION: 18" cleanable cartridge (2)

CONSTRUCTION: Unit is made of 12 gauge painted steel, unit includes

- Access filter door
- Integral 2" Tray
- Silencer
- Flexible arms(s)

INSTALLATION AND OPERATION

The SV-1100 filter unit is easy to install, make sure you unpack the unit and all components, check for any damages or shortages and report these immediately to shipping company. Once your unit is unpacked SV-1100 must be wired by a professional electrician following all local electrical codes. Adjust arm or flexible hose for proper intake. Turn Selector switch to ON or OFF.

Smoke and fumes enter the unit, via an articulated arm that then filters the contaminants through specially designed cartridge filters. Sourcetec's cartridge filters remove particles with an efficiency of 99.999%. After passing through the filter and blower assembly, the recycled air exists through the built in silencer lined with acoustical foam and out the grill at the back of the unit.

SELF-CLEANING

The SV-1100 comes complete with self cleaning mechanism. It uses short bursts of compressed air to release the dust trapped on the filter surface, which thoroughly cleans the filter cartridge and maintains a low static pressure. The residual contaminants are collected in an easy to remove drawer.

OPERATION OF AUTOMATIC SELF-CLEANING

1. Turn selector switch to OFF
2. While unit is OFF, connect shop air (75+psi) to nozzle on top of unit.
3. Turn selector switch to "CLEAN" position; self cleaning mechanism will automatically start a 4 MINUTE cycle.
4. Once the cycle is completed, the unit will automatically shut off. Disconnect shop air.

Note: Daily and REPETITIVE cleaning of filters is recommended to prolong filter life.

MAINTENANCE

CAUTION: Always disconnect the power source before working on or near the motor, or the wiring assemblies. Lock out disconnects to prevent unexpected application of power.

FILTERS:

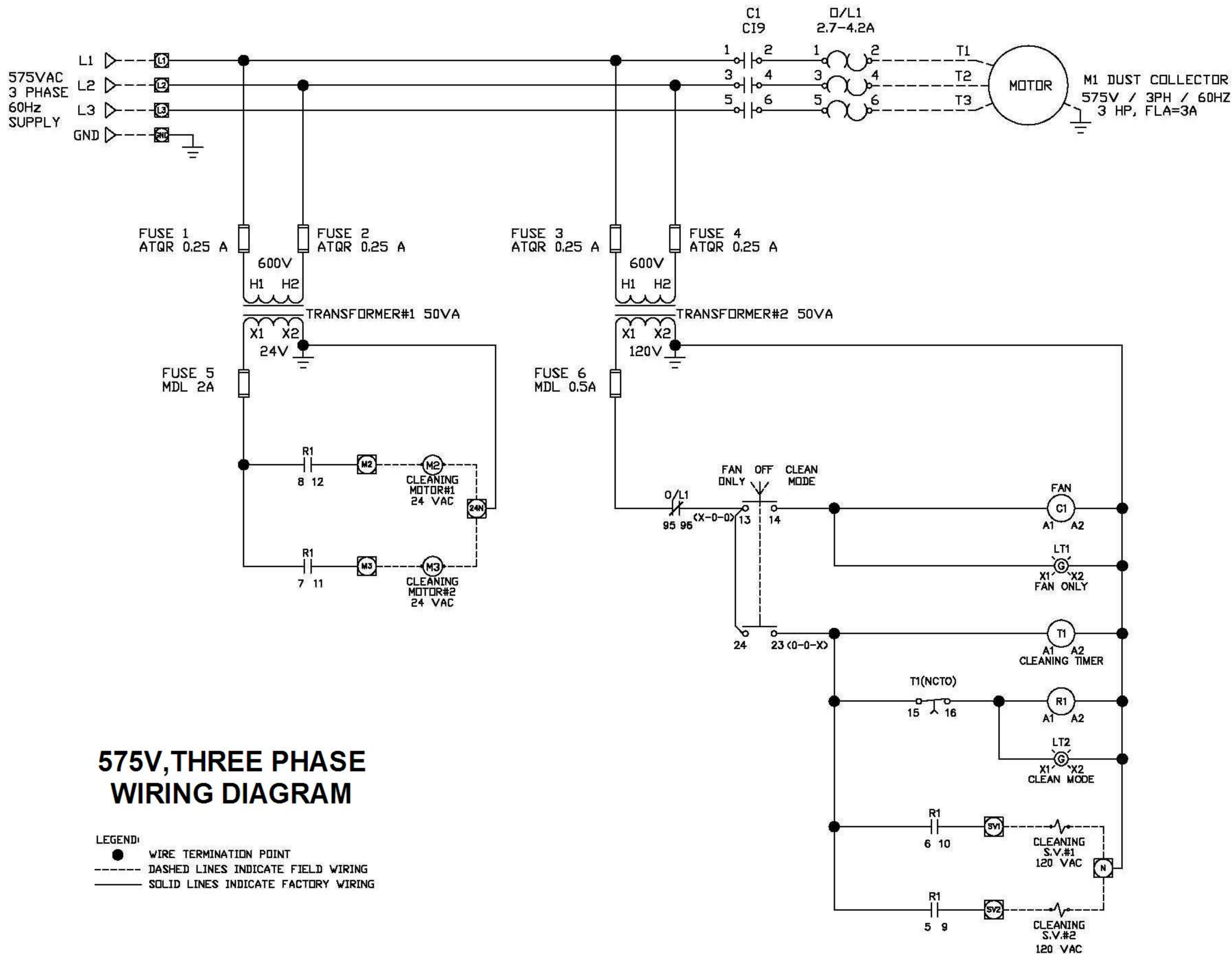
When collecting sub-micron and micron particles, filter life can range from 6 months to longer depending on the application, quantity and type of solids being collected. If you notice dramatic change in performance, follow these simple steps for periodic deep cleaning.

FOR ADDITIONAL PERIODIC DEEP CLEANING:

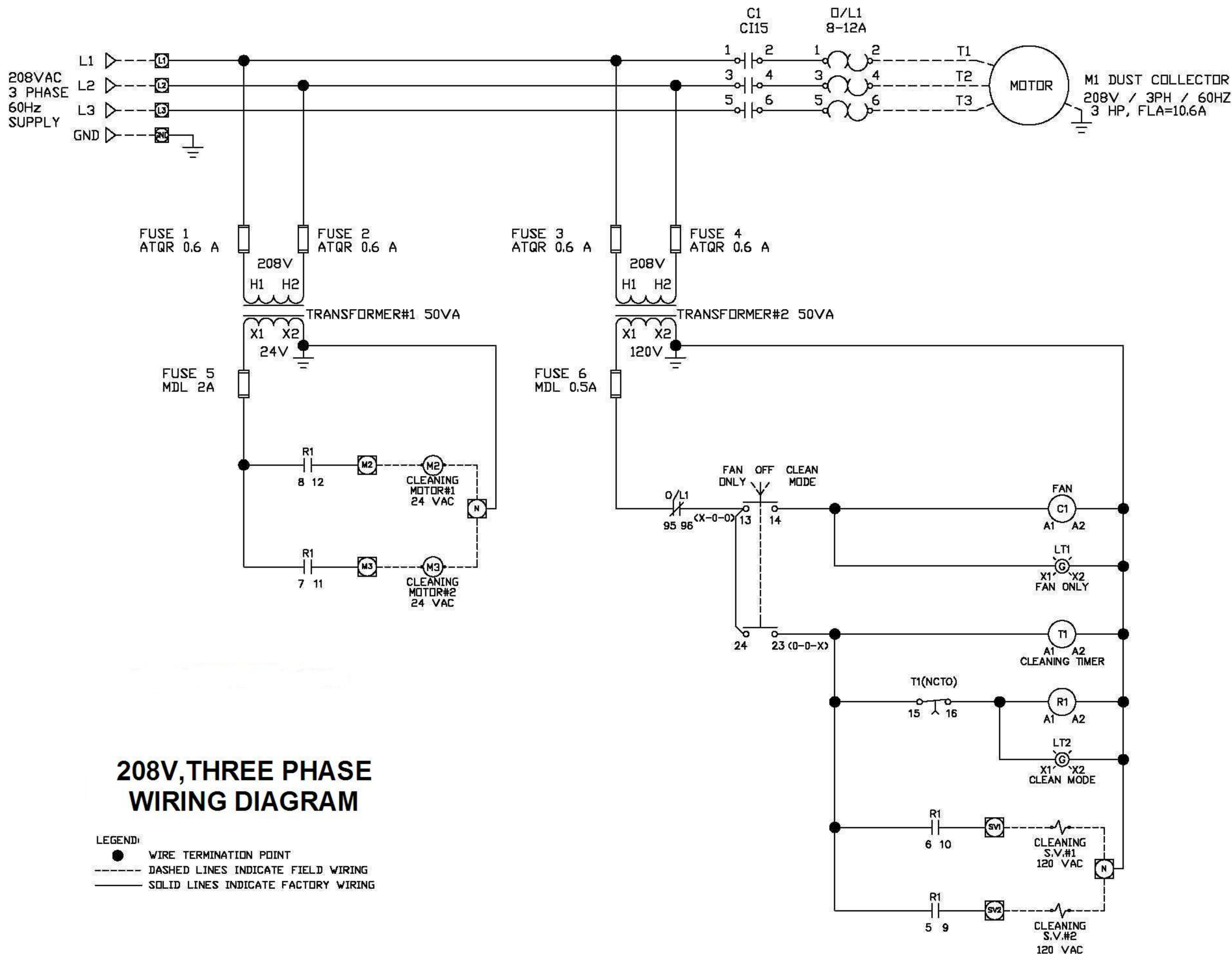
Remove cartridge from unit, using shop compressed air clean filters. Replace filters in unit. Turn unit on, check performance.

If no performance improvement is evident, replace main cartridge filters.

NOTE: Unit can operate beyond the pressure differential recommend; however suction performance will be reduced.



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| ELECTRICAL SCHEMATIC | |
| NOTE | N/A |
| CLIENT/CUSTOMER | |
| CONTACT | |



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Warranty and Service Policy

One Year Limited Warranty

Air cleaning products and systems manufactured by Sourcetec Industries Inc. are warranted for a period of one year from date of original purchase. Sourecetec's liability shall be limited to repair or replacement of defective material within the warranty period when returned freight prepaid to its plant or to a service depot designated by Sourcetec. This warranty does not apply to products subjected to any accidents, alteration, abuse, or misuse. Warranties on equipment not of seller's manufacture are limited to terms of warranty furnished by seller's suppliers.

Our responsibility ceases upon delivery to any common carrier and we do not, unless previously instructed, insure shipments beyond point of delivery to such a carrier.

No material will be accepted for credit when returned without permission. All materials accepted for credit is subject to at least a 25% handling charge, and permission must be obtained before equipment is returned.

Equipment specially built to customer specifications and requirements is not subjected to cancellation or returnable for credit under any conditions.

We reserve the right to modify or alter materials, dimensions, design and construction when necessary, to improve the performance of our product and/or accessories, or to meet delivery requirements.

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