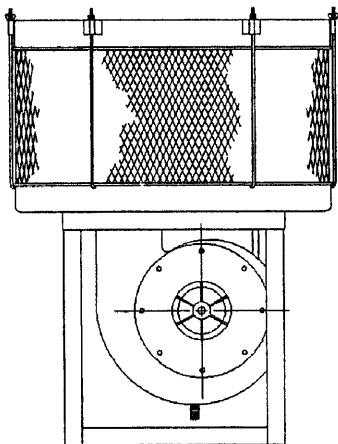


MISTKOP[®]

MIST COLLECTORS

INSTALLATION and MAINTENANCE INSTRUCTIONS

Figure 1

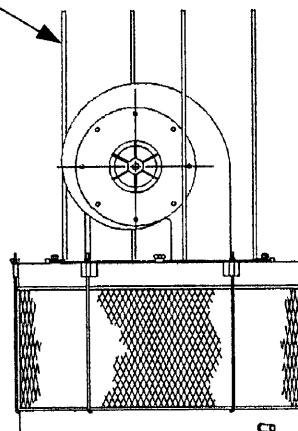


Models VC-31, VC-51, and "U" Models (see Figure 1)

These model MISTKOPS are usually installed on a balcony, a floor stand, or mounted directly on the machine. Occasionally they are suspended from overhead, in which case structural members must be attached to the angle iron base frame (NOT TO THE TOP FILTER CAP). See "IMPORTANT" below. Run hose or tubing from drain nipple to sump or container. Each drain is to be plumbed individually.

Support rods
(provided by others)

Figure 2



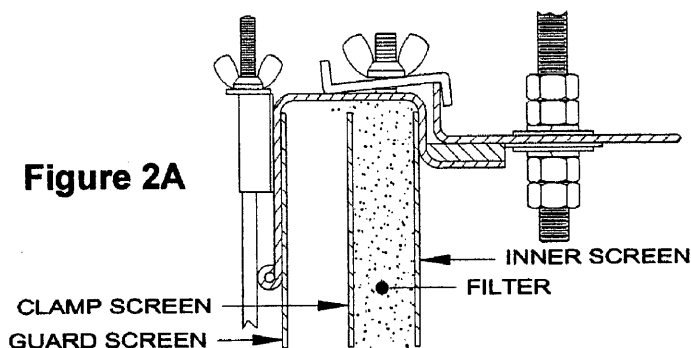
Models VCS-2, VCM-2, and VCL-3 (see Figure 2)

We recommend that these MISTKOPS be installed above the machines they are to service (see Figure 2). Install four pieces of 3/8" threaded rod (minimum size) or suitable fittings in top pan, equally spaced and 1 1/2" in from the flange (see Figure 2A). Use nuts, washers, 2" fender washer (inside only), and lock washers top and bottom (see Figure 2A). Silicone seal between unit and washer, top and bottom. See "IMPORTANT" below. Run hose or tubing from drain nipple to sump or container. Each drain is to be plumbed individually.

UNIT WEIGHTS

VCS-2	1/3 HP	94 LBS
VCM-2	3/4 HP	115 LBS
VCL-3	2 HP	200 LBS
VCS-2U	1/3 HP	115 LBS
VCM-2U	3/4 HP	133 LBS
VCL-3U	2 HP	230 LBS
VC-31	3 HP	320 LBS
VC-51	5 HP	390 LBS

Figure 2A



IMPORTANT

This suspension should be of sufficient strength to support at least double the weight of the dry collector. It is the end user's responsibility to determine the suitability and safety of the overhead installation of any MISTKOP.

A 5/8" drain hose is normally most suitable, 1/2" I.D. minimum if using pipe. On units with filter beneath the exhaustor, suspending the collector as Figure 2 illustrates, provides access for filter changes with minimum difficulty, as the wiring and duct to the collector will not have to be disturbed. Do not mount MISTKOP upside down. Also, see "WARNING".

ELECTRICAL HOOKUP

Make sure fan is rotating in the correct direction, clockwise when facing inlet, as indicated by the arrows on the fan housing. These fans running backwards WILL HAVE only about 1/3 of the suction that they will when running properly. Reverse two leads of a three phase motor to change rotation. Use extreme caution near rotating fan. Electrical supply and connections must be to local code and installed by qualified electricians.

WARNING

1. Make absolutely certain that the electrical power to the unit is disconnected and locked out before servicing or replacing filter.
2. Do not operate unit with open inlet to fan. Duct or hose should be in place and of sufficient length to prohibit access to rotating fan.
3. Equipment not for use with toxic or hazardous materials without additional filtration and/or outside venting , as may be required.
4. Do not throw cigarettes, paper, or coarse material into the unit.
5. Use appropriate fire safety measures for flammable coolants, lubricants, fluids, or collected residue.

FILTER CHANGE

Filter Material: The standard filter is a blanket of fiberglas, yellow in color, compressed between two metal screens. When extremely fine mist or coarse smoke is encountered, the FM-1 secondary filter, pink in color, is installed outside of the standard material, but *inside* the clamp screen.

The filter will gradually load with solid matter or sludge, reducing the airflow at the mist pickup point. When suction at the intake falls below the point of satisfactory capture and collection, the filter must be changed.

Replacement filters are ordered by unit model number and as "standard" (yellow) or "FM-1" (pink). All filter material is fragile and must be handled carefully.

Models VC-31, VC-51, and "U" Models (motors under filter)

Release the four cable latches, or rod wing nuts at the top and remove top pan, outer guard screen, and the filter assembly (inner screen, clamp screen, and fiberglas filter. Refer to steps 6-10 below.

Models VCS-2, VCM-2, and VCL-3 (with motor above filter)

1. Disconnect drain tube(s), and provide support so that the weight of the filter section, which will be saturated and heavy, can be handled. Do not disturb the outer row of 10-24 wing nuts and tie rods at this point.
2. While supporting the filter section from the bottom, loosen the inner row of six 1/4-20 wing nuts. Turn the "Z" clamps to clear the motor pan (see Figure 2A). The complete filter assembly can now be lowered to the floor or work area.
3. Loosen outer row of small wing nuts and disengage the lower end of the tie rods from the holes in the bottom pan.
4. Remove the top spinning and outer guard screen.
5. Remove the filter assembly (inner screen, clamp screen, and fiberglas filter).
6. Loosen clamp screen latch, remove and discard filter, and clean all parts.
7. Working on the floor or a large bench, on cardboard or paper, arrange clamp screen, new filter batt, and inner screen as shown in Figure 3, with clamp screen below all filters.
8. While pressing down on the inner screen, pick up the left end of the clamp screen and roll the whole assembly to the right. Make sure that the filter overlap, and the edges of the inner and outer screens are even. NOTE: It is important that the filter material extends beyond the screen at least 1". This will serve as a gasket when reassembling. (See Figure 3.)

FILTER CHANGE, cont.

9. Draw screen ends together until handle is in locked position. When FM-1 (pink) media is used along with the standard yellow material, engage clamp screen hook (see Figure 4) in end "A" cross bar of clamp screen latch to allow for the extra thickness. When the standard media is used alone, engage the hook in the second "B" cross bar.
10. By reversing procedure outlined above, 1-5, filter can now be reassembled.
NOTE: Make sure that the inner screen seats in the top and bottom spinning and that the filter material extending beyond the screens is making a seal. When FM-1 (pink) media is used along with the standard yellow material, engage clamp screen hook (see Figure 4) in end "A" cross bar of clamp screen latch to allow for the extra thickness. When the standard media is used alone, engage the hook in the second "B" cross bar.

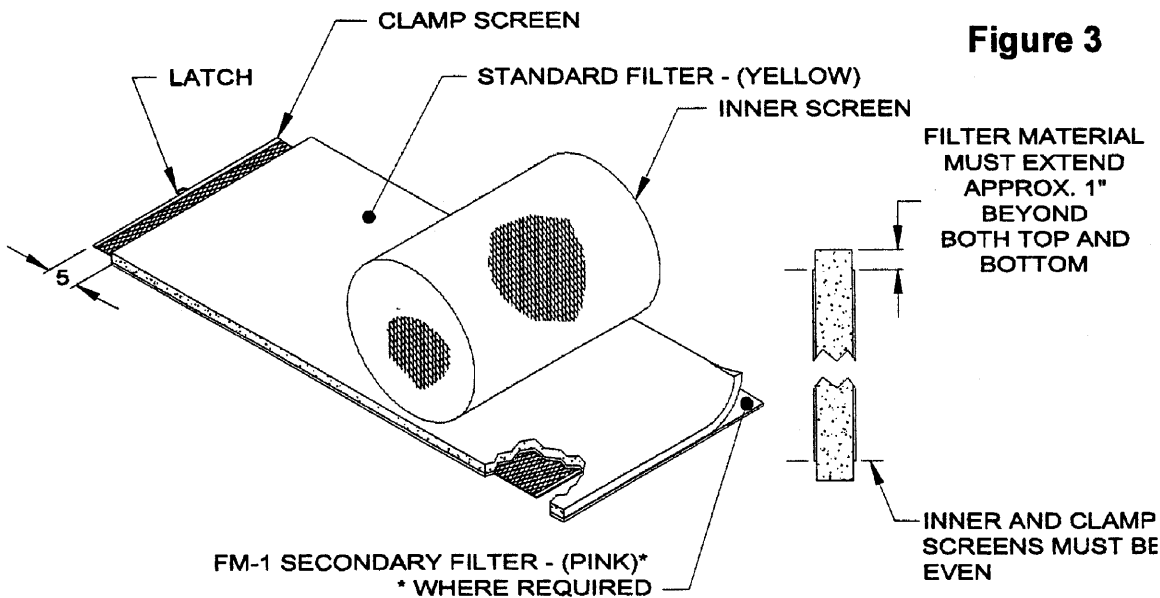
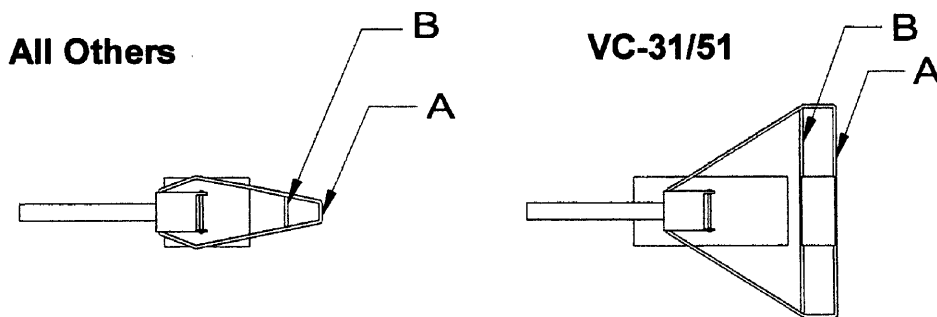


Figure 4, Latch Styles



TROUBLESHOOTING

PROBLEM: Inadequate Airflow and Suction

POSSIBLE CAUSE

Fan running backwards
Filter plugged
Ductwork plugged or fan obstructed

SOLUTION

See section "Electrical Hookup".
Change filter. See "Filter Change".
Visually check ductwork, inspect fan, clean as required.

TROUBLESHOOTING, cont.

PROBLEM: Electrical Overload

POSSIBLE CAUSE

SOLUTION

Motor starter heater elements incorrect size	Size heater elements according to motor nameplate amps, per NEC 430-32
Motor starter, disconnect, or wiring undersized	Size according to NEC Article 430
Loose connection	Check all connections
Branch circuit fuses incorrect size	Size fuses for branch circuit protection per NEC 430-52 and Table 430-152

PROBLEM: Excessive Mist Emissions

POSSIBLE CAUSE

SOLUTION

Incorrect filter	Contact nearest Aget representative
Improperly installed filter	See section "Filter Change"
Incorrect positioning of intake duct	Contact nearest Aget representative
Drain lines plugged	Remove and visually check and clear blockage

LUBRICATION

Follow instructions on motor manufacturer's tag that is located in the operation and maintenance package. This motor is turning a fan and a working load exists just as if it were driving a machine tool.

STATEMENT OF WARRANTY

We guarantee equipment produced by **AGET MANUFACTURING COMPANY** for a period of one year from the date of shipment against defects in workmanship and materials. All necessary replacements or repairs are F.O.B. Adrian, Michigan, and are subject to our inspection.

All electrical motors furnished with our equipment are warranted by the motor manufacturer and the motor industry's policy on repair or replacement must be followed in the event of a failure. The user must take the motor to the nearest authorized repair or service station with the request, preferably in writing, that the motor is for warranty inspection and giving the source of the motor (us) and the date of its acquisition.

From code numbers on the motor, the service shop can determine whether or not it is still within the warranty period. If found to be defective, it will either be repaired or replaced.

Contact us first before taking any action on a defective motor, as stated on the red tag attached to it. We can then advise the location of the nearest motor service authorized by the motor manufacturer to handle claims under warranty.

This warranty is in lieu of any other warranty, spoken or implied.

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