



INSTALLATION, OPERATION & MAINTENANCE MANUAL

EPFA Enviro-Pak

Filter Assembly

Installation, Operation & Maintenance Manual

For models EPFA-24 through EPFA-144

The Enviro-Pak Filter Assembly (EPFA) is an in-line, three-stage dry filtration unit for light-duty commercial-kitchen exhaust. This manual covers receiving, installation coordination, monitoring, factory startup, inspection, filter service, enclosure cleaning, troubleshooting, warranty, and service records.

CONTROLLED LISTING

EPFA is UL Listed under File MH45752. Models EPFA-24 through EPFA-144 were investigated to the UL 8782 Outline of Investigation for Pollution Control Units for Commercial Cooking Operations.

The Listing applies to covered products bearing the applicable UL Mark. It does not replace project design, installation requirements, permits, field inspection, or AHJ acceptance.



READ BEFORE INSTALLATION OR SERVICE

Keep this manual with the equipment. Installation, startup, electrical work, controls adjustment, fire-suppression work, and service must be performed by the responsible qualified personnel identified in this manual.

Document	Revision	Date
EPFA-IOM-2026	Rev A	July 2026

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01 | SAFETY & ROLES

Read this section before work begins

The EPFA is part of a commercial-kitchen exhaust system. Work may involve electrical energy, moving air equipment, hot or grease-laden surfaces, steam and water, elevated work locations, and fire-suppression interfaces. Plan the work, control the applicable hazards, and use qualified personnel.

WARNING - CONTROL ENERGY BEFORE SERVICE

Before opening an access door or control enclosure, changing a connection, removing filters, or cleaning the unit, shut down the affected equipment and follow the facility's energy-control procedure. Verify that the equipment is in a safe condition before work begins. Never alter wiring while it is energized.

WARNING - MAINTAIN SAFE ACCESS

Do not service a rooftop or above-ceiling EPFA from an improvised position. Provide and use the required service platform, safe access route, and applicable fall protection.

WARNING - PROTECT ELECTRICAL AND MONITORING COMPONENTS

Do not direct steam, water, or cleaning residue into the static-pressure controls enclosure, terminal areas, pressure tubing, gauge, transformer, or status-panel wiring.

Who performs each task

Role	Appropriate tasks	Do not perform
Owner, facility manager, or operator	Observe the status panel, keep the panel visible, arrange the four-week inspection/service, respond to a red indication, retain records, and contact qualified service	Open energized controls, alter wiring, adjust pressure switches, change fire-suppression components, or improvise elevated access
Qualified installer or service technician	Perform assigned installation and service work using current project documents, unit labels, this manual, facility safety procedures, and applicable trade requirements	Change unverified terminal relationships, bypass controls, or assume project-design or AHJ responsibilities
Factory representative	Perform startup, establish and record the high-static setting, verify monitoring operation, and complete the commissioning record	Accept incomplete installation work or replace the responsibilities of the installer, engineer, fire-suppression contractor, or AHJ
Project design and trade team	Coordinate duct, fan, support, roof curb, access, electrical, drains, fire suppression, permits, and project acceptance	Treat an educational manual figure as a construction drawing

General safety context

OSHA's hazardous-energy rule addresses servicing and maintenance where unexpected energization, startup, or release of stored energy could injure employees. OSHA also requires employers to address fall hazards on applicable walking-working surfaces. The employer and responsible contractors determine which requirements apply and establish the site-specific procedures; this manual is not a complete lockout/tagout or fall-protection program. See [OSHA 29 CFR 1910.147](#) and [OSHA 29 CFR 1910.28](#).

02 | PRODUCT OVERVIEW

Know the unit before installation or service

The EPFA is installed in the grease duct between the kitchen exhaust hood and the exhaust fan. Air must enter the inlet side from the kitchen and leave the outlet side toward the fan.

The enclosure is fabricated from 18-gauge Type 304 stainless steel. Removable, gasketed access doors provide access to the filter stages and internal fire-suppression provisions. A side-mounted controls enclosure contains the pressure-monitoring components used with the remote system status panel.

Three-stage filter path

Airflow stage	Standard configuration	Function in this manual
F1	MERV 9 pre-filter	First filtration stage at the inlet
F2	MERV 14 high-efficiency filter	Second filtration stage
F3	MERV 14 final filter or optional carbon final stage	Standard final particulate stage or optional project-specific odor-treatment stage

MERV classifications identify the individual filter stages; they do not establish a whole-system smoke, grease, or odor removal percentage. The standard MERV 14 final stage must not be described as comprehensive odor control. The optional carbon final stage may support a project-specific odor objective, but results and service life vary with the contaminant, concentration, airflow, loading, environmental conditions, and maintenance.

General filtration context

ASHRAE Standard 52.2 defines Minimum Efficiency Reporting Value (MERV) using laboratory tests across particle-size ranges. MERV is useful for identifying a filter's tested classification, but field performance also depends on operating conditions and the complete system. See [ASHRAE, "How Do Particle Filters Work?"](#).

Activated carbon is a gas-phase adsorbent. Its performance and remaining life are affected by the contaminant mixture and loading, airflow/contact conditions, temperature, humidity, installation, and maintenance. This is general technical context, not an EPFA performance percentage or replacement interval. See [ASHRAE Handbook, Chapter 47 - Air Cleaners for Gaseous Contaminants](#).

EPFA is UL Listed under File MH45752. Models EPFA-24 through EPFA-144 were investigated to the UL 8782 Outline of Investigation for Pollution Control Units for Commercial Cooking Operations.

UL explains that UL Marks and certification references apply only to covered products bearing the applicable Mark. Listing does not itself approve a field installation or modification. See [UL Solutions - UL Schemes and Certification Bodies](#).

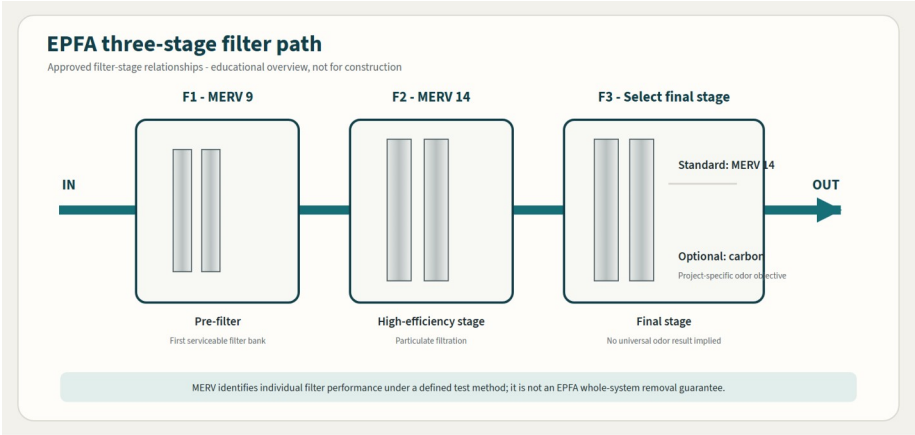


Figure 1. Airflow and three-stage filter sequence; authentic open-unit view. Educational overview, not for construction.

03 | RECEIVING

Inspect the shipment before installation

- 1. Inspect the packaging and equipment for exterior damage before moving the unit.
- 2. Inspect the interior, access doors, filters, controls enclosure, status panel, and loose-shipped accessories for damage.
- 3. Confirm the EPFA model, serial number, access side, airflow direction, filter configuration, and ordered options.
- 4. Account for all accessory items and confirm that they are damage-free.
- 5. Report damage to the carrier immediately and preserve photographs, packing material, freight documents, and written notices.
- 6. Do not install damaged equipment until the responsible parties have determined the disposition.
- 7. Keep the equipment protected from additional damage while it awaits installation. Do not infer a storage temperature, humidity range, or storage duration from this manual.

Receiving and damage record

Field	Entry
Project or facility	
Date received	
EPFA model	EPFA-
Serial number	
Access side and airflow direction verified	Yes / No / N/A
Filters and ordered options accounted for	Yes / No / N/A
Exterior/interior damage observed	Yes / No
Carrier notified, if required	Date / reference
Photographs or supporting records	
Inspected by	Name / company / date

04 | COORDINATION

Assign every project interface before installation

Use the current project drawings, approved submittals, equipment labels, and this manual together. Resolve conflicts before installing or connecting the EPFA.

Interface	Required coordination	Primary responsible party
Product identity and airflow	Confirm model, serial, inlet/outlet direction, access side, and filter configuration	Installer with project team
Duct	Locate the EPFA between hood and exhaust fan and provide welded connections at both ends	Mechanical installer/project design team
Fan	Provide the specified kitchen-exhaust fan type and select it for the full system resistance	Project design team/fan supplier
Support, suspension, and roof curb	Coordinate the two bottom support channels, top hanging points where used, project anchorage/suspension, roof curb, and stacked arrangements	Structural/roofing/mechanical project team
Service access	Preserve the required side clearance, maintenance route, door removal space, and above-ceiling platform	Project team/installer/facility
Electrical monitoring	Provide 120 VAC monitoring power and the owner-confirmed 3-wire, 18-gauge plenum cable to the status panel	Qualified electrical installer
Cleaning drains	Connect all three cleaning drains to the building drain/grease-interceptor arrangement	Plumbing/mechanical project team
Fire suppression	Coordinate the building sprinkler connection or optional factory ANSUL pre-piping and all field completion/testing	Fire-suppression contractor/project team
Startup	Complete and sign the contractor pre-start checkoff before the factory representative arrives	Installing contractor
Acceptance	Complete required inspection, testing, permits, and AHJ coordination	Responsible project parties

The EPFA Listing does not transfer design, installation, permit, trade, field-test, or AHJ responsibilities to Molitron.

05 | PLACEMENT & ACCESS

Place the EPFA for correct airflow and maintainable access

- Install the EPFA in the grease duct between the kitchen exhaust hood and the exhaust fan.
- Orient the inlet toward the kitchen and the outlet toward the exhaust fan.
- The basic enclosure length is 63 inches. Model width is identified by the EPFA model suffix.
- The standard configuration has three left-side access doors. Access doors on both sides are optional.
- Maintain at least 30 inches of free space on the service-access side.
- Maintain at least an 18-inch air space from other sides to combustible materials and building insulation.
- Zero clearance to noncombustible materials is permitted where applicable to the unit; preserve access and project requirements.
- When the EPFA is above a ceiling, provide a permanent service platform by others at the same height as the bottom of the unit.
- Indoor or outdoor placement remains project-specific. Coordinate weather exposure, roof/building penetrations, access, support, drainage, electrical work, duct, and fire suppression for the selected location.

DO NOT BLOCK THE MAINTENANCE PATH

Access doors, filters, controls, cleaning drains, and fire-suppression provisions must remain reachable for inspection and service.

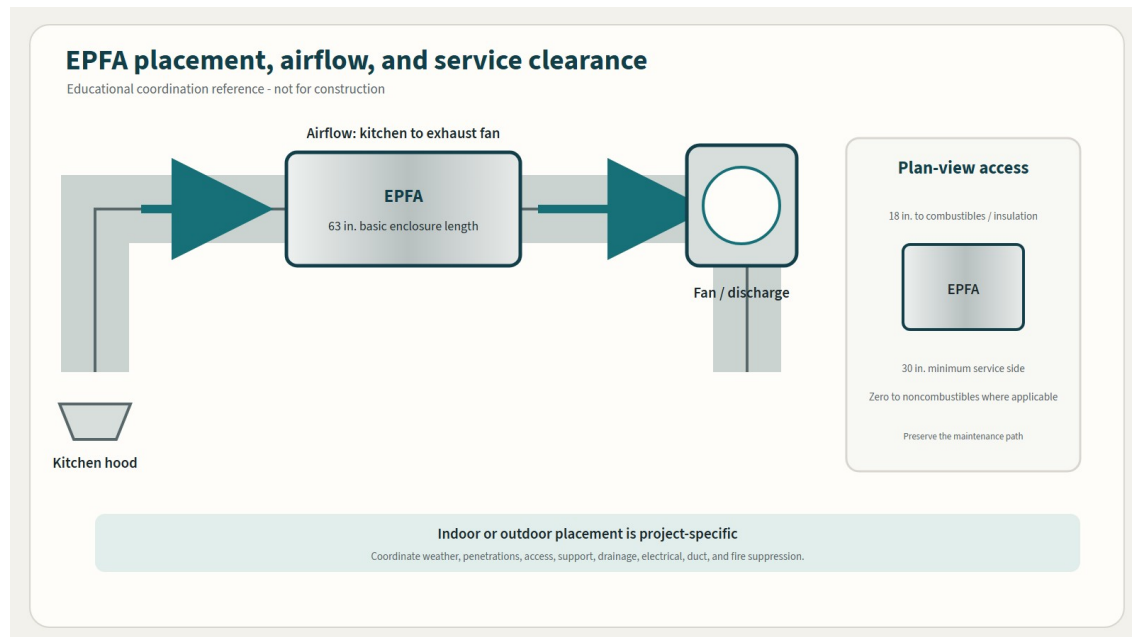


Figure 2. Placement, airflow, and service-clearance envelope. Source: approved original-manual facts and owner confirmations; educational overview, not for construction.

06 | MECHANICAL

Coordinate the mechanical installation

Support and access

- Two 4-inch-high stainless-steel channels are welded to the bottom of the EPFA across the unit width for support.
- Top hanging points remain available where the project uses a suspended installation.
- The installing contractor provides a code-approved roof curb when the EPFA is curb-supported.
- The project design team is responsible for the support method, curb, anchorage, suspension, spring hangers or other isolation, rigging, roof work, and maintenance loads.
- A stacked EPFA arrangement is project-specific and requires coordinated support, access, duct, drains, fire suppression, electrical monitoring, and service planning.

Duct and fan

- Weld the grease-duct connection to the EPFA inlet and outlet.
- Use an exhaust fan UL Listed for kitchen-exhaust applications, of the inclined utility type, with readily adjustable RPM, as retained from the current Molitron instruction.
- Initial EPFA resistance is 1.54 in. w.g.
- Final fan selection must add the hood, duct, discharge, accessories, and every other system loss. The 1.54 in. w.g. value is not the complete system static pressure.
- Air balance must be complete before the factory representative establishes the high-static service setting.

Final duct design, fan selection, support design, installation, balancing, and field acceptance remain project-specific.

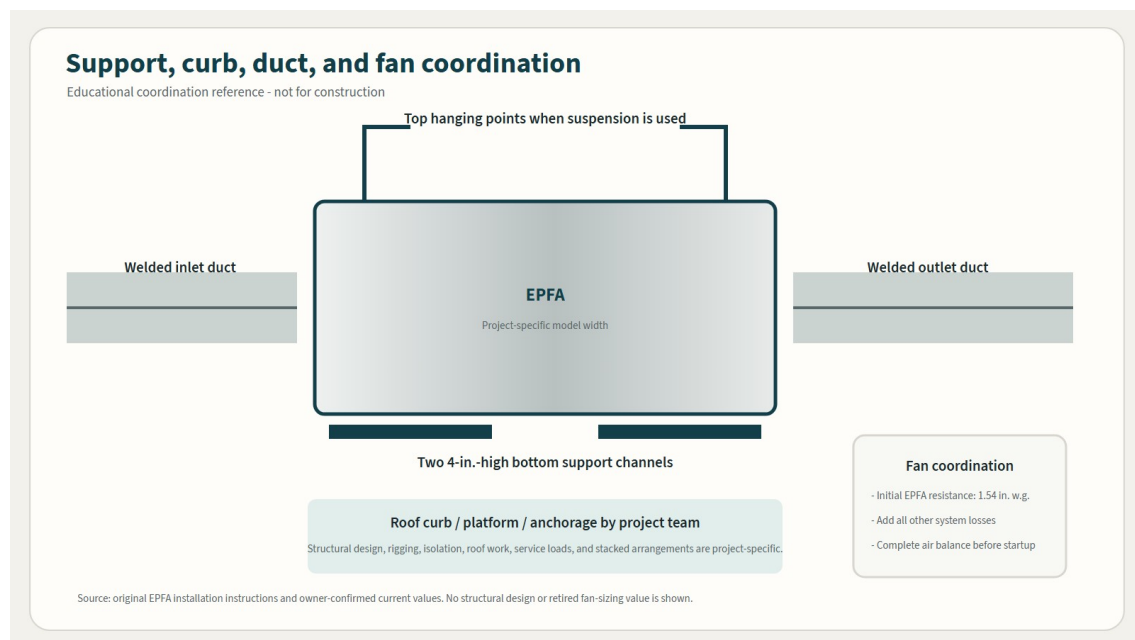


Figure 3. Support, curb, duct, and fan coordination. Source: approved original-manual facts and owner confirmations; educational overview, not for construction.

07 | UTILITIES

Keep separate systems and responsibilities clear

Cleaning drains

The EPFA has three cleaning drains. Connect all three to the building drain and grease-interceptor arrangement specified for the project. Keep the cleaning-drain path separate from the dry filtration description: filtration itself uses no process water, circulation pump, or chemical dosing, while cleaning and fire suppression are separate interfaces.

Fire suppression

Coordinate one of the current project paths:

- 1. A 3/4-inch building sprinkler connection completed by others; or
- 2. Optional factory ANSUL pre-piping when selected for the project.

The applicable field parties remain responsible for final hookup, permits, drawing submittals, tanks/agent and other field components, detection/actuation work, and final testing. The manual does not design or approve the fire-suppression system.

Electrical monitoring

- Provide 120 VAC for the monitoring system. This is a voltage requirement only; this manual does not publish a circuit-ampere value.
- Provide one 3-wire, 18-gauge plenum cable between the static-pressure controls enclosure and the remote status panel.
- Cable, wiring, and field connections are by qualified electrical personnel.
- Use the labels and connection information supplied with the specific unit. Do not assume a terminal relationship from conductor color alone.

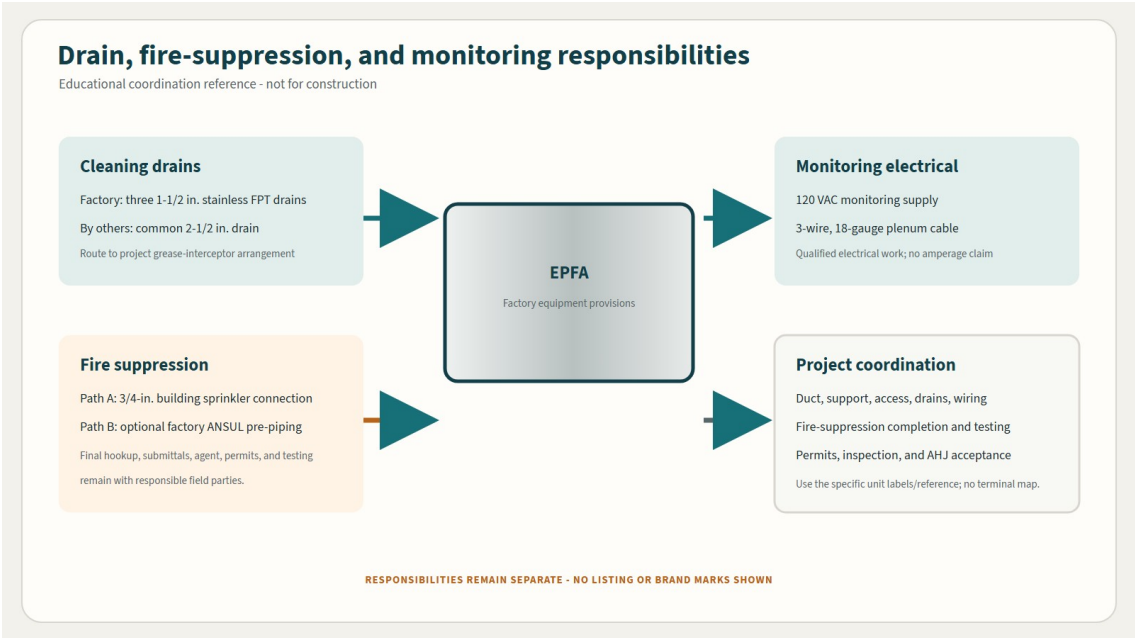


Figure 4. Drain, fire-suppression, and monitoring responsibilities. Source: approved original-manual facts and owner confirmations; educational overview, not for construction.

08 | MONITORING

Understand what the monitor is telling you

The outlet-side controls enclosure includes two pressure switches, a static-pressure gauge, pressure tubing, a transformer, and the terminal interface for the remote status panel. The panel must be mounted indoors in a visible location where the kitchen or facility staff can monitor it daily.

Indication	Meaning	Required response
Green running light	The air switch closes at 1.5 in. w.g., indicating that the exhaust system is operating	Continue normal observation and the scheduled four-week inspection/service program
Flashing red service light	System static pressure has reached the factory-selected high-static setting, adjustable from 2 to 5 in. w.g.	Respond immediately. Arrange inspection/service and replace grease-laden filters that are restricting airflow
No light, both lights, unstable light, or abnormal gauge behavior	The status cannot be interpreted as normal operation from the panel alone	Record the condition and contact qualified service or Molitron; do not open energized controls or guess at wiring

The monitoring system supports maintenance; it does not replace the four-week inspection/service requirement.

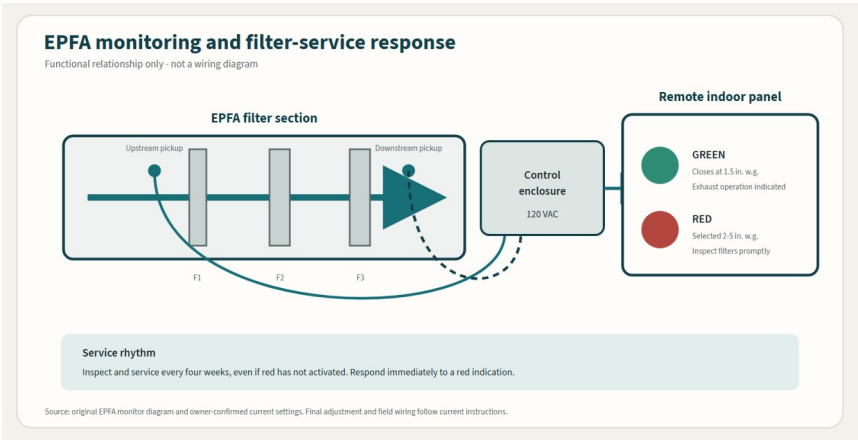
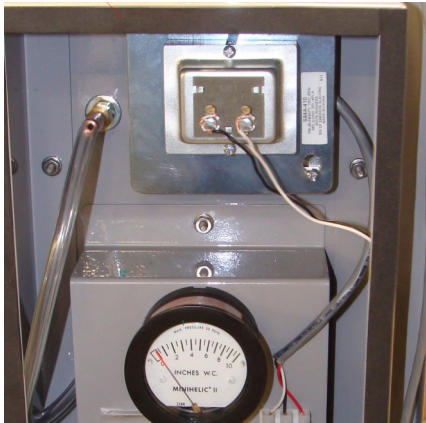


Figure 5. Current controls context and functional pressure-monitoring relationship; no numeric terminal map.

09 | OPERATOR RESPONSE

Respond to conditions without entering the controls

Green running indication

- 1. Continue routine operation under the facility's procedures.
- 2. Keep the panel visible.
- 3. Continue the four-week filter inspection/service schedule.
- 4. Record abnormal gauge, airflow, sound, odor, leakage, or enclosure conditions even when the green light is on.

Flashing red service indication

- 1. Respond immediately; do not wait for the next four-week service date.
- 2. Record the date, model/serial, observed light, gauge value if safely visible, and last filter-service date.
- 3. Arrange qualified filter inspection and service.
- 4. Replace filters that are grease-laden and reducing airflow, following the filter procedure in this manual.
- 5. If the red indication remains after correct filter service, contact Molitron or qualified service. Do not readjust the pressure switch as an operator action.

No light, both lights, or unstable indication

- 1. Confirm only the safe, normal building-system condition available to the operator, such as whether the exhaust system is intended to be running.
- 2. Do not open the controls enclosure or change wiring.
- 3. Record the condition and route it to qualified service or the factory representative.

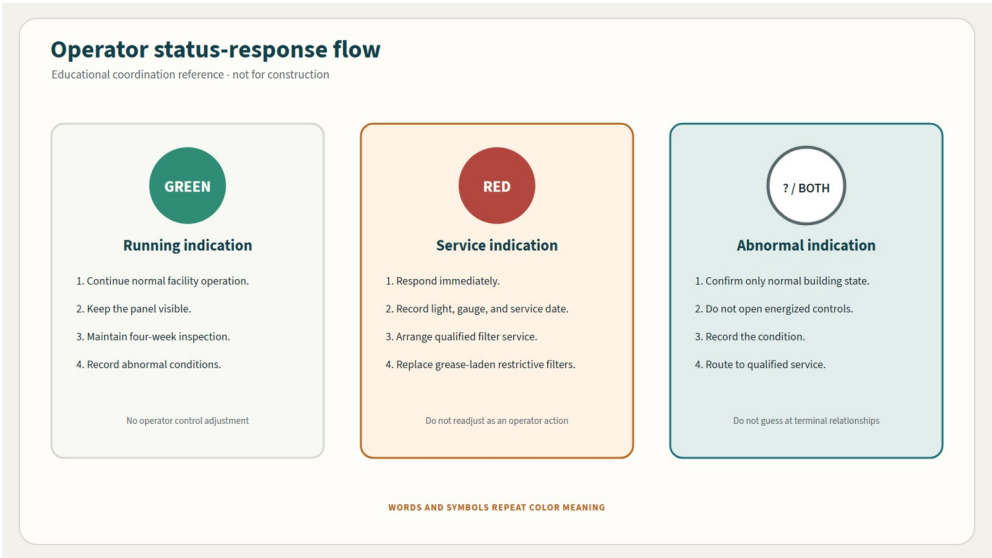


Figure 6. Operator status-response flow. Source: approved original-manual facts and owner confirmations; educational overview, not for construction.

10 | STARTUP READINESS

Complete installation before factory startup

The installing contractor must complete and sign the contractor pre-start checkoff before startup by the factory representative.

Before scheduling startup, verify that:

- The correct EPFA is installed in the proper airflow direction.
- Duct connections are complete and welded.
- The fan, support, roof curb or suspension, service platform, and clearances are complete.
- All filters are installed in the correct F1/F2/F3 order, fit tightly, and do not overlap.
- Access doors seat tightly against their gaskets.
- The three cleaning drains are connected to the project drain/grease-interceptor arrangement.
- The selected fire-suppression connection is complete and ready for its responsible field testing.
- The 120 VAC monitoring supply and 3-wire, 18-gauge plenum cable/status panel work are complete.
- The status panel is visible for daily monitoring.
- Air balancing is complete.
- Open items that affect safe or complete startup have been corrected.

The factory representative performs startup, records the clean-filter pressure and selected high-static setting, verifies the monitoring response, and completes the commissioning record.

Factory startup does not replace installer, engineer, electrician, fire-suppression contractor, permit, inspection, testing, or AHJ responsibilities.

11 | FACTORY SETTING

Factory-representative procedure only

WARNING - SAFETY-CRITICAL CONTROL WORK

This task is for a factory representative using the current unit-specific labels and connection reference. The legacy source identifies two different terminals as common. For that reason, this manual does not identify a numeric common terminal. Do not guess. Do not change a connection while the circuit is energized.

Required conditions and tools

- Installation and air balance complete.
- Correct clean filters installed with access doors closed.
- One 24 VAC panel light and one Allen wrench supplied by Molitron.
- Facility energy-control procedure and controlled access to the work area.
- Current unit-specific connection labels/reference available and legible.

Adjustment sequence

1. Record the EPFA model, serial number, date, airflow/balance status, and clean-filter condition.
2. Shut down and control electrical energy before opening the controls enclosure or changing any temporary test connection.
3. Using only the current unit-specific connection labels/reference, connect the Molitron-supplied 24 VAC test lamp to the high-static-switch circuit. Do not use a terminal number from this manual.
4. Restore the system only under the factory representative's controlled test procedure. With the system operating and clean filters installed, slowly turn the Allen adjustment clockwise until the red test lamp turns off. Record the static-pressure gauge reading; this is the measured clean-filter system static pressure for the commissioned installation.
5. From that point, turn the Allen adjustment 1.5 turns clockwise. The source procedure describes this as an approximate increase of 1.5 in. w.g. above the previous reading. Verify and record that the selected high-static setting is within the current adjustable range of 2 to 5 in. w.g. If the expected and measured conditions do not agree, stop and contact Molitron rather than continuing to turn the switch.
6. Control electrical energy again before removing the temporary test lamp and restoring the normal field connection in accordance with the unit-specific labels/reference.
7. Close and secure the controls enclosure.
8. Return the system to service under the startup procedure, verify the normal green indication, and record any open item or abnormal response.

Record the selected high-static setting in the factory commissioning record and on the facility's service record. Only a factory representative may change it.

12 | MAINTENANCE

Inspect and service the filters every four weeks

The owner or owner's representative is responsible for maintaining and servicing the EPFA. Inspect/service the filters every four weeks and respond immediately to a flashing red service indication, even when the next scheduled inspection is not yet due.

The four-week interval is an inspection/service requirement, not guaranteed filter life and not a requirement to replace every stage at every visit regardless of condition.

Four-week inspection checklist

- Record the date, model/serial, status-panel indication, and gauge reading if safely visible.
- Inspect F1, F2, and F3 for grease loading, damage, incorrect stage, displacement, overlap, or visible bypass.
- Replace filters that are grease-laden and restricting airflow.
- Confirm that each filter is seated in the upper and lower channels toward the wall opposite the access doors.
- Inspect the 1/4-inch closed-cell neoprene gasket arrangement and verify a tight fit.
- Inspect access-door gaskets and confirm the doors close tightly.
- Inspect the enclosure for grease buildup requiring steam cleaning.
- Inspect the cleaning-drain path for visible blockage or leakage.
- Observe the pressure tubing, gauge, control enclosure, and status panel for visible damage. Do not open energized controls.
- Record corrective action, cleaning, filter changes, service provider, and next due date in the maintenance log.

13 | FILTER SERVICE

Install the correct stages without overlap or bypass

Contact Molitron for the current replacement configuration. Provide the EPFA model and serial number. Do not select a replacement filter by color alone.

Airflow order

1. F1 - MERV 9 pre-filter at the inlet.
2. F2 - MERV 14 high-efficiency filter.
3. F3 - Standard MERV 14 final filter or optional carbon final stage, as ordered for the installation.

Replacement procedure

1. Shut down the affected system and follow the facility's energy-control and safe-access procedures.
2. Open the service-access doors only after the unit is in a safe condition.
3. Note the existing F1/F2/F3 order before removing filters.
4. Remove used filters without damaging the support channels, access-door gaskets, controls, tubing, or fire-suppression components.
5. Inspect and clean the filter channels as required. Correct any damaged or obstructed channel before installing new filters.
6. Apply a 1/4-inch-thick closed-cell neoprene gasket to one side of each replacement filter before installation.
7. Insert each filter individually into the upper and lower supporting channels and push it toward the wall opposite the access doors. Do not overlap filters.
8. Add closed-cell neoprene gasket to the final filter's vertical side as required so the filters fit tightly when the access door is closed.
9. Confirm the F1/F2/F3 order, airflow direction, channel engagement, tight fit, and absence of visible gaps or bypass paths.
10. Close each access door tightly against its gasket.
11. Return the system to service under the facility procedure and confirm the expected status indication.
12. Record the filter stages changed, date, condition, technician, and follow-up action.

The optional carbon final stage may support project-specific odor treatment, but this manual does not claim a fixed odor-reduction result or replacement life.

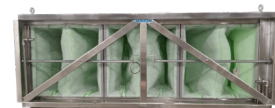
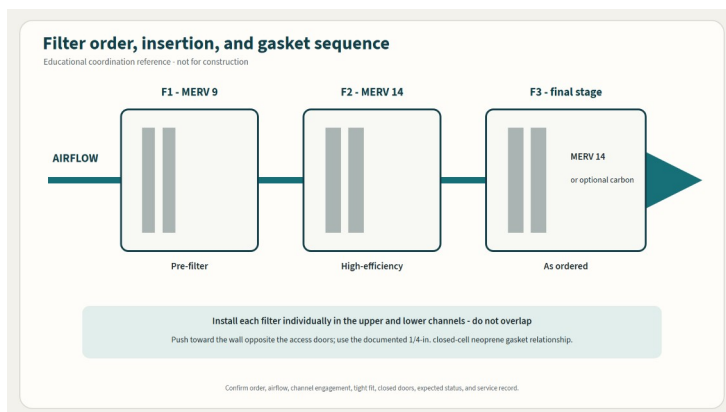


Figure 7. Filter order, insertion, and gasket sequence; authentic inlet-open view. Not for construction.

14 | CLEANING

Remove grease buildup from the enclosure

The inside of the EPFA should be steam cleaned to remove grease buildup. Perform this as a qualified service task. The inspection condition and facility maintenance program determine when cleaning is needed; this manual does not establish a fixed cleaning interval.

WARNING - STEAM, HOT SURFACES, AND ELECTRICAL COMPONENTS

Control energy and allow the work area to reach a safe condition before cleaning. Keep steam, water, and residue away from the static-pressure controls enclosure, terminal areas, pressure switches, gauge, transformer, pressure tubing, and status-panel wiring.

Cleaning procedure

1. Plan the service and protect the surrounding facility. Confirm that the three cleaning drains and project grease-interceptor path are available for the work.
2. Shut down and isolate the affected exhaust equipment using the facility's energy-control procedure.
3. Allow hot surfaces and grease-laden components to reach a safe handling condition.
4. Remove the filters using the procedure on page 14. Protect clean replacement filters from steam and residue.
5. Protect or exclude the controls enclosure, terminal areas, pressure switches, gauge, transformer, pressure tubing, and status-panel wiring from direct steam and water.
6. Keep the cleaning-drain path open and controlled. Contain and direct residue to the project-specified drain/grease-interceptor arrangement in accordance with facility and local requirements.
7. Steam clean the accessible stainless-steel interior surfaces and filter channels to remove grease buildup. Do not use an undocumented pressure, temperature, chemical cleaner, nozzle distance, or cleaning-equipment setting as a Molitron specification.
8. Inspect the cleaned enclosure, filter channels, access-door gaskets, drain openings, visible tubing, and fire-suppression interfaces for damage, blockage, or displaced components.
9. Allow the unit to drain and dry. Do not return the equipment to service while water or residue could affect filters, monitoring components, wiring, or safe operation.
10. Install the correct F1/F2/F3 filters and gasket arrangement. Close the access doors tightly.
11. Restore the system under the facility procedure and confirm the expected status indication. If the indication is abnormal, stop normal service and contact qualified service or Molitron.
12. Record the cleaning date, observed buildup, drains used, filter action, technician, and follow-up work.

This procedure does not establish wastewater classification or disposal requirements. The facility and responsible contractors must follow the applicable project, sewer authority, environmental, and AHJ requirements.

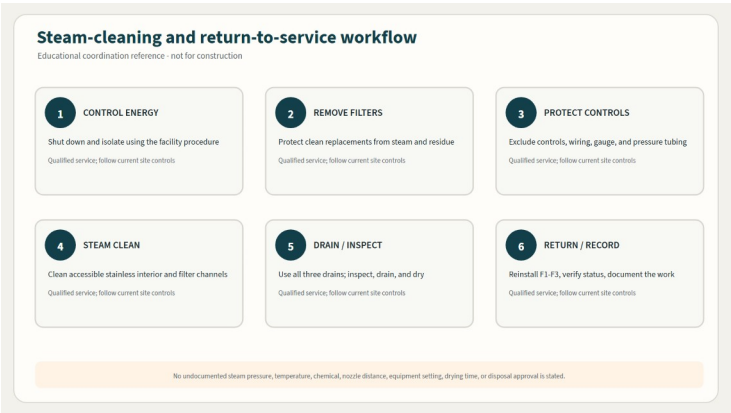


Figure 8. Steam-cleaning and return-to-service workflow. Educational overview; not for construction.

15 | TROUBLESHOOTING

Observe, record, and route the condition safely

Condition	Owner/operator response	Qualified service or factory response
Flashing red service light	Respond immediately; record the indication and arrange filter service	Inspect all filter stages; replace grease-laden/restrictive filters; verify fit and normal indication
Red remains after correct filter service	Do not adjust the switch	Factory representative verifies the commissioned setting, tubing/gauge, and controls using the unit-specific reference
No green light while exhaust is intended to run	Confirm only the normal building operating state available without opening equipment; record condition	Verify monitoring power, fan/airflow condition, pressure sensing, status panel, and field wiring
Both lights or unstable indication	Record condition and request service	Diagnose the monitoring circuit; do not guess at the conflicting legacy common-terminal number
Filters overlap, shift, or show visible bypass	Arrange prompt service	Reinstall correct filters individually in the channels; correct gasket and fit before normal service
Filters load unusually quickly	Increase attention to condition and records; contact Molitron	Review cooking duty, airflow/balance, filter configuration, installation, and maintenance history; do not promise a universal filter life
Drain is blocked, slow, or leaking	Stop cleaning and contain the condition	Clear/repair the project drain path using the responsible trade; inspect for affected equipment
Controls, tubing, gauge, doors, gaskets, enclosure, or fire-suppression components are damaged	Do not improvise a repair or bypass	Isolate as required and coordinate Molitron plus the responsible trade or fire-suppression party
Recurring grease buildup or abnormal airflow/noise	Record the pattern and request review	Evaluate maintenance, filters, airflow, fan/system condition, and project interfaces

Never bypass a safety device, energize open controls for ordinary troubleshooting, alter a fire-suppression system outside its responsible procedure, or select a terminal by guesswork.

16 | SERVICE & RECORDS

Provide enough information for accurate support

When requesting replacement filters, parts, startup support, or service, provide:

- EPFA model and serial number.
- Project or facility name.
- Access-side configuration.
- Standard MERV 14 or optional carbon final stage.
- Current green/red/no-light condition.
- Gauge reading, if safely visible.
- Date and result of the last four-week inspection/service.
- Filters last changed and observed condition.
- Date and result of the last enclosure cleaning.
- Photographs of damage or abnormal conditions where safe and useful.

Replacement-filter dimensions, part information, and the current approved configuration are available from Molitron on request.

Molitron

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Keep these records with the equipment

- Receiving and freight-damage record.
- Approved project/submittal documents and unit labels.
- Installing-contractor pre-start checkoff.
- Factory commissioning record and selected high-static setting.
- Signed owner acknowledgment.
- Warranty and proof of shipment/invoice records.
- Four-week maintenance logs, filter changes, cleaning records, and repairs.
- Current revision of this manual.

Educational references

Accessed July 14, 2026:

- [OSHA 29 CFR 1910.147 - The control of hazardous energy](#)
- [OSHA 29 CFR 1910.28 - Duty to have fall protection and falling-object protection](#)
- [ASHRAE - How Do Particle Filters Work?](#)
- [ASHRAE Handbook, Chapter 47 - Air Cleaners for Gaseous Contaminants](#)
- [UL Solutions - UL Schemes and Certification Bodies](#)

These sources provide general educational context only. They do not establish an additional EPFA specification, certification, compliance statement, service setting, or project approval.

17 | WARRANTY

EPFA product warranty

The EPFA and the following component parts are warranted to be free from defects in material and workmanship for 12 months from the date of shipment:

- Static-pressure enclosure.
- System monitor.

Freight and installation damage

This warranty does not cover parts damaged by the freight carrier between the factory and the ultimate destination or parts damaged by the installing contractor.

Conditions that exclude warranty coverage

This warranty does not apply if:

- The EPFA is not installed by a qualified installer in accordance with the factory installation instructions shipped with the product.
- The EPFA is not installed in accordance with federal, state, and local codes and regulations.
- The EPFA is misused or neglected.
- The EPFA is not operated within its published capacity.
- The invoice is not paid within the terms of the sales agreement.

Remedy and limitations

The factory is not liable for incidental and consequential losses or damages potentially attributable to malfunctioning equipment.

If any part of the equipment proves defective in material or workmanship within the 12-month warranty period, and the factory examination confirms the defect, the factory will repair or replace that part at no charge for parts only. Labor costs incurred in connection with repair or replacement are not included under the warranty. The factory does not accept returns of Molitron products.

The warranty is activated when the owner's acknowledgment on page 19 is signed and returned to the factory.

18 | OWNER ACKNOWLEDGMENT

Owner's acknowledgment regarding required maintenance

I have read the required maintenance instructions for the Molitron Enviro-Pak Filter Assembly and accept full responsibility for maintaining the equipment in accordance with these instructions. I understand that if the equipment is not adequately and properly maintained, it will not satisfactorily perform its intended purpose and will void this warranty.

Field	Entry
Owner's signature	
Printed name	
Establishment/facility	
Facility address	
City and state	
Telephone	
Email	
Ship date	
Model number	EPFA-
Serial number	
Date signed	

Return the completed acknowledgment to Molitron using the current contact method provided with the project or email a completed copy to cleanair@molitron.com. Retain a copy with the equipment records.

19 | CONTRACTOR CHECKOFF

Complete before startup by the factory representative

Installation must be completed in accordance with the EPFA installation requirements and current project documents. Mark each item Yes, No, or N/A and explain every No or unresolved item. Startup must not proceed until items affecting safe or complete operation are corrected.

Check item	Yes	No	N/A	Comments/reference
Correct model/serial and airflow direction verified				
EPFA installed in an accessible location between hood and exhaust fan				
Minimum 30-inch service-side clearance provided				
Minimum 18-inch clearance to combustibles/building insulation or zero to noncombustibles provided as applicable				
Above-ceiling same-height service platform completed, if applicable				
Two bottom support channels/roof curb/suspension and project anchorage completed				
Inlet and outlet grease-duct connections completed and welded				
Specified fan installed and air balance complete				
Building sprinkler connection or optional factory ANSUL pre-piping path completed for responsible field testing				
Three cleaning drains connected to the project building drain/grease-interceptor arrangement				
F1 MERV 9, F2 MERV 14, and F3 MERV 14 or optional carbon installed in the correct order				
Filters individually seated in channels without overlap; 1/4-inch closed-cell neoprene gasket arrangement complete				
Access doors seated tightly against gaskets				
120 VAC monitoring supply completed				
One 3-wire, 18-gauge plenum cable and status-panel field wiring completed using unit-specific labels/reference				
Status panel mounted indoors in a visible location for daily monitoring				
Unit labels and connection information are present and legible				
Work area is safe, complete, and ready for the factory representative				

Continue to the contractor identification and unresolved-items record on the next page.

19A | CONTRACTOR RECORD

Contractor identification and unresolved items

Field	Entry
Contractor's signature	
Printed name	
Company	
Project/facility	
EPFA model	EPFA-
Serial number	
Date completed	
Unresolved items/attachment reference	

The warranty requires compliance with the maintenance instructions and the owner acknowledgment described in this manual.

20 | COMMISSIONING

Factory startup and monitoring record

Field	Entry
Project/facility	
EPFA model	EPFA-
Serial number	
Startup date	
Factory representative	
Installing contractor/contact	
Air balance completed	Yes / No / N/A
Correct F1/F2/F3 filter order and fit	Yes / No / N/A
Access doors/gaskets verified	Yes / No / N/A
Airflow direction verified	Yes / No / N/A
Clean-filter static-pressure reading	in. w.g.
Green running indication verified at supported operating condition	Yes / No / N/A
Selected high-static setting	in. w.g. - must be within 2 to 5 in. w.g.
Red service indication verified under factory procedure	Yes / No / N/A
Status panel visible and labeled	Yes / No / N/A
Unit-specific connection-reference/label identifier	
Open items or corrective work	
Owner/facility handoff completed	Yes / No / N/A
Factory representative signature/date	
Owner/facility representative signature/date	

Do not record a numeric common-terminal instruction in this manual. Use and retain the unit-specific connection reference used for commissioning.

21 | MAINTENANCE LOG

EPFA maintenance record

Inspect/service every four weeks and respond immediately to a flashing red service indication.

Date	Status light and gauge reading	F1 action	F2 action	F3 action	Gasket/fit/doors	Steam cleaning/drains	Technician/company	Next due/comments

For additional pages, copy this form as needed. Keep completed records with the equipment.

Molitron | 303-969-8888 | cleanair@molitron.com | molitron.com Molitron Company Inc | EPFA-IOM-2026 | Rev A

TECHNICAL FOLDOUT F-1

EPFA installation and commissioning reference

EPFA installation and commissioning reference

Educational coordination reference - not for construction

AIRFLOW AND FILTER ORDER

Kitchen / inlet -> F1 MERV 9 -> F2 MERV 14
-> F3 MERV 14 or optional carbon -> fan / outlet

Install filters individually in upper and lower channels.
No overlap; preserve 1/4-in. closed-cell neoprene gasket fit.

PLACEMENT AND ACCESS

63-in. basic enclosure length; width is model suffix.
30-in. minimum service side; 18 in. to combustibles/insulation;
zero to noncombustibles where applicable; platform above ceilings.

MECHANICAL COORDINATION

Welded inlet/outlet grease-duct connections.
Two 4-in. bottom support channels; coordinate curb/suspension.
Initial EPFA resistance: 1.54 in. w.g.
Add hood, duct, discharge, accessories, and other losses.

DRAINS AND FIRE SUPPRESSION

Three cleaning drains to project drain/grease interceptor.
3/4-in. building sprinkler or optional factory ANSUL pre-piping.
Final field hookup, permits, agent, and testing by responsible parties.

MONITORING AND SERVICE

120 VAC monitoring; 3-wire, 18-gauge plenum cable.
Green closes at 1.5 in. w.g.; maintain four-week inspection.
Red at selected 2-5 in. w.g.; respond immediately.
Factory representative performs startup and records setting.

CONTROLLED TERMINAL SAFEGUARD

No common-terminal number is stated in this manual.
Use the unit-specific labels/reference; stop for Molitron
clarification when missing, unreadable, or contradictory.

COMMISSIONING QUICK RECORD

Project / facility:	_____	Model:	_____	Serial:	_____
Clean-filter static:	_____ in. w.g.	Selected high-static:	_____ in. w.g. (2-5)		
Green verified:	_____	Red verified:	_____		
Factory representative / date:	_____		Open items:	_____	

NOT FOR CONSTRUCTION - USE CURRENT PROJECT DOCUMENTS, UNIT LABELS, AND QUALIFIED PERSONNEL

EPFA-IOM-2026 | Rev A | Final production | Source: approved original-manual facts, current controlled record, owner confirmations, and approved Phase 2 content.

Technical Foldout F-1. Approved installation and commissioning reference copy - not for construction.

Equivalent detailed instructions and qualifications appear on Pages 3 through 17. Use the foldout with current project documents, unit labels, this manual, and qualified personnel.