molitron

PCU PRODUCT BROCHURE
REV B · OCTOBER 2026

MOLITRON POLLUTION CONTROL UNIT (PCU) · MODELS EPFA-24 TO EPFA-144

Filter smoke and grease before they leave your kitchen.

A UL Listed stainless-steel filter unit that installs in your kitchen exhaust duct, between the hood and the fan. Three dry filter stages capture smoke particulate and grease vapor, with no water, pumps or chemicals.

EPFA-84 shown, rendered from Molitron's 3D model of the unit

UL CERTIFIED
SAFETY US
MH45752

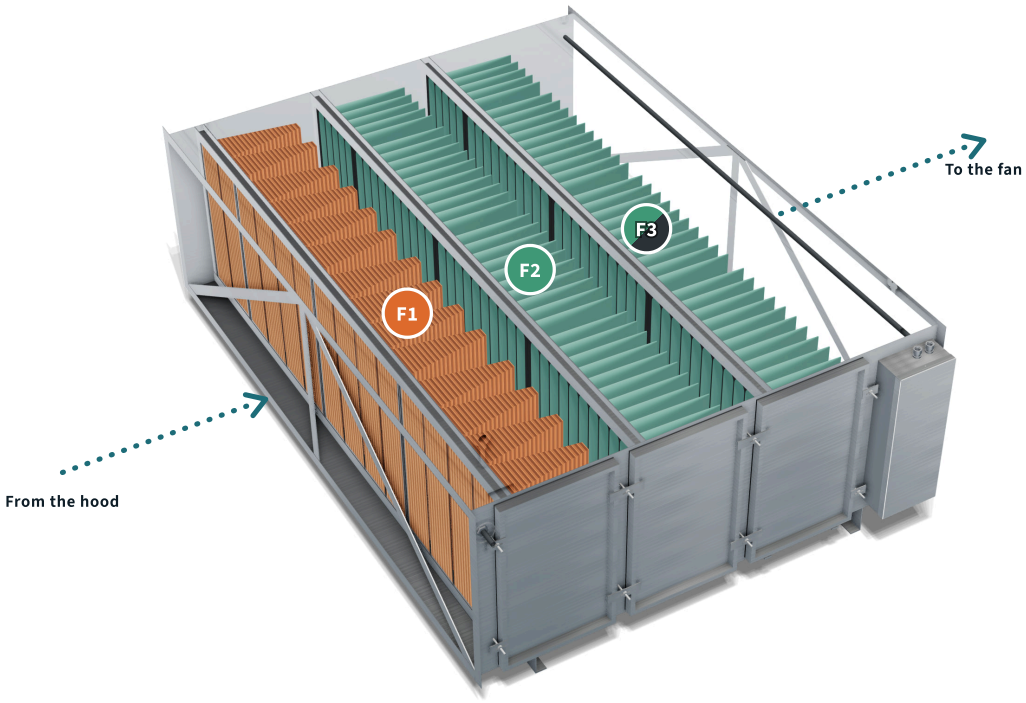
Scan or select the mark to verify the UL listing.

3	1,800–10,800	Type 304	UL Listed
dry filter stages	CFM across 11 models	stainless steel, fully welded	File MH45752

01

Three stages, one direction.

Exhaust from the hood enters the PCU and passes through three banks of filters in turn, pre-filters first, before it reaches the fan.



EPFA-84 with its top cut away, rendered from Molitron's 3D model. Air passes F1, F2 and F3 in turn; F3 holds high-efficiency or optional carbon filters.

F1 Pre-filter

MERV 9

Multi-pocket pre-filters are the first bank the exhaust meets, catching the larger particles and grease.

F2 High-efficiency filter

MERV 14

Multi-pocket high-efficiency filters capture the fine smoke particulate and grease vapor that pass the pre-filter.

F3 Final stage

MERV 14 or carbon

A second high-efficiency bank, or optional carbon filters when odor treatment is part of the project. Carbon replaces F3; it does not add a fourth stage.

ODOR TREATMENT OPTION

Carbon filters in the final stage

Where odor treatment is part of the project, carbon filters take the place of the F3 bank. Standard filtration is not comprehensive odor treatment; for broader odor control, Molitron's MOAS can be evaluated with the PCU.

Dry filtration

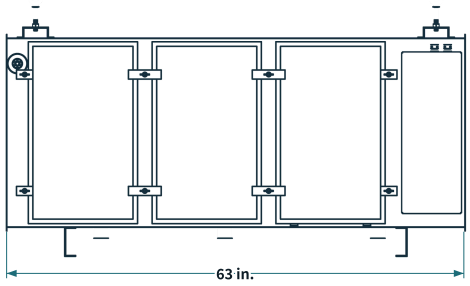
No process water, circulation pumps or chemical dosing.

02

Find your model.

Eleven models, EPFA-24 through EPFA-144, share one 63-inch length. Width sets the airflow: choose the model whose planning airflow covers your exhaust.

MODEL	PLANNING AIRFLOW, CFM	WIDTH	APPROX. WEIGHT	CARBON ADDS
EPFA-24	1,800	24 in.	250 lb	72 lb
EPFA-36	2,700	36 in.	350 lb	108 lb
EPFA-48	3,600	48 in.	450 lb	144 lb
EPFA-60	4,500	60 in.	550 lb	180 lb
EPFA-72	5,400	72 in.	650 lb	216 lb
EPFA-84	6,300	84 in.	750 lb	252 lb
EPFA-96	7,200	96 in.	850 lb	288 lb
EPFA-108	8,100	108 in.	950 lb	324 lb
EPFA-120	9,000	120 in.	1,050 lb	360 lb
EPFA-132	9,900	132 in.	1,150 lb	396 lb
EPFA-144	10,800	144 in.	1,250 lb	432 lb

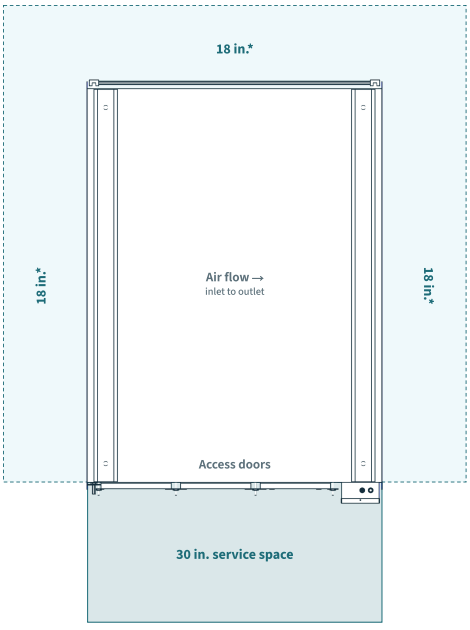


Every model is 63 in. long. The width is the model number in inches: an EPFA-84 is 84 in. wide. Planning values; confirm for your project.

03

Indoors or on the roof.

In the exhaust path	Anywhere between the kitchen hood and the exhaust fan, with the inlet from the kitchen and the outlet toward the fan.
Indoors or on the roof	Hung from the hanger angles at each top corner on spring hangers and threaded rods (by others), or set on a code-approved roof curb by the installing contractor.
Footprint	Model width × 63 in. long. Every model shares the 63-inch length.
Service side	30 in. of free space in front of the access doors.
Other sides	18 in. to combustible materials and building insulation, or zero clearance to noncombustible materials.
Above a ceiling	A permanent service platform, level with the bottom of the unit, is required.



Plan view, EPFA-84. *To combustible materials and building insulation; zero to noncombustible materials.

04

Easy to live with.

A status panel in your kitchen or office tells your staff when the filters need attention.

Every four weeks, inspect the filters and replace any that are dirty.

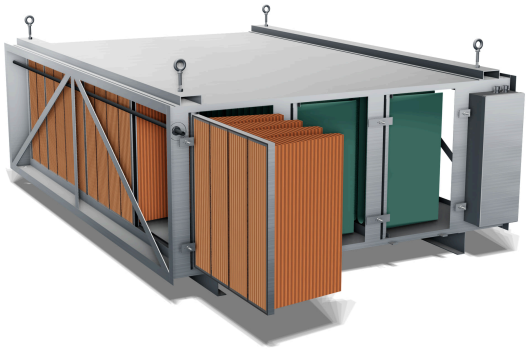
Blinking red means service now, whatever the date.

Replacement filters come from Molitron, matched to the originals.

Cleaning is a steam clean of the stainless interior.

Green: the exhaust fan is on.

Green and blinking red: inspect and service the filters now.



An access door off and a pre-filter sliding out along its track. Rendered from Molitron's 3D model.

05

Built and listed.

Enclosure	18-gauge Type 304 stainless steel, fully welded.
Access	Three removable, gasketed stainless access doors. Doors on both sides are optional.
Fire protection	Fire-suppression pre-piping from Molitron, ready for ANSUL or another brand you select.
Drains	Three cleaning drains, piped by others to the grease interceptor.
Monitoring	A wall-mounted status panel comes standard. The unit's controls take a 120 VAC supply, by others.

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

NEXT STEP

Plan your project.

Tell us your airflow, where the unit can go, and whether odor is part of the brief. We reply the same business day, and within one business day at most.

303-969-8888 · cleanair@molitron.com · molitron.com

Scan for the live brochure, with the model picker.

PCU Product Brochure, Rev B, October 2026. Planning information, not for construction. Specifications may change; confirm current details with Molitron. © Molitron Company Inc.