

FUME EXTRACTORS BY LAGUNA
E/FLUX

EFLUX Fume Extractor Owner's Manual

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lagunatools.com



LAGUNA



Laguna takes pride in our products and stands behind them with continuing service and support for our customers. Your Laguna machine was designed to bring a new dimension of productivity to your shop.

Before using your machine for the first time, learn how to use it. This manual covers a step-by-step process of assembly and machine operation. If you have any questions, this manual will provide answers.

We do our best to thoroughly document every product that we sell for customer reference. Several files are compiled to cover all components of a machine.

- Several machines may be covered by one manual.
- Many machines sold by Laguna include components with independent owners' manuals.

Owner's Manuals

Owners' manuals will guide the purchasing party

- Warranty - All information about warranty, how to file a warranty claim, and how-to receiver support.
- Safety - The safety related rules and guidelines set forth by the manufacturing parties to be strictly followed in the operation of the machine or product.
- Set Up - Guidelines to set-up the product from state of shipping to state of operation.
- Operation - Procedure based sections covering the basic operations.
- Maintenance - Maintenance Schedule and procedures that must be followed.
- Troubleshooting - Procedure based help sections to repair faults.
- Parts - A list of replacement parts offered. This section may not include all the parts included with the purchase. If the part was not included in this section, then it will be available from a third party.
- Schematics – Drawings of electrical, pneumatic, and dimensional configurations of the machine or product.

Specification Sheets

Specification Sheets will aid in proper machine selection and serve as a reference for the purchasing party. For convenience, the specifications sheet has been included in the end of this manual.

- Several machines may be covered by one manual.
- Description - A detailed description of why the machine was developed,
- General Specifications - All specifications that are common to all machine categories.
- Category Specifications - Specifications unique to the specific category of the machine.
- Dimensional Drawing
- Capacities Drawing

Videos

In most cases a video is the best media to cover a setup or help topic.

All videos made by Laguna are uploaded and stored to youtube.com where they are then linked to websites.

<https://www.youtube.com/user/LagunaTools>

Websites

Our Website holds all information about any product. Check it often for any updates to your machine.

As innovation happens, that is where you will find it.

lagunatools.com
lagunatools.ca
lagunatools.eu
supermaxtools.com
lagunacleanair.com
lagunalathe.com

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Warranty & Support

This machine is covered by a warranty and your dealer can answer any questions you may have. Additionally, we will always be here to offer support, service information, and product supplies and services.

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Every product sold is warranted to be free of manufacturers' defective workmanship, parts, and materials. For any questions about this product, the intended use or what it was designed for, customer service, or replacement parts – please reach out to our customer service department.

Registration

To prevent voiding this warranty, all products sold must be registered within thirty (30) days of receiving. Registering the product will enable the original purchaser to receive notifications about important product changes and receive customer support.

<https://lagunatools.com/policies/warranty/>

Who Is Covered?

The applicable warranty covers only the initial purchaser of the product from the receipt date. The original purchaser must present the original receipt as proof of purchase.

What Is Covered

Any part, determined by Laguna Tools®, to have a defect will be repaired or replaced (and shipped), without charge. It is required that the defective item/part be returned to Laguna Tools® with the complaint and proof of purchase in the original packaging that it was received. In the event the item/part is determined to be void of this warranty, the customer will be responsible for the cost to replace the item/part and all related shipping charges.

Warranty Limitations

This limited warranty does not apply to natural disasters, acts of terrorism, normal wear and tear, product failure due to lack of maintenance or cleaning, damage caused by accident, neglect, or lack-of/inadequate dust collection. The warranty may be voided against proof of misuse/abuse, damage caused

where repair or alterations have been made or attempted by others, using the product for purposes other than those described as intended use (unless with consent by Laguna Tools®), modification to the product, or use with an accessory that was not designed for the product. It is the responsibility of the user to understand basic woodworking machinery settings and procedures and to properly maintain the equipment in accordance with the standards provided in this manual.

Length of Warranty

2 Year – New purchases through authorized dealers.
1 Year – New purchases directly from Laguna Tools.
1 Year – Blades and Accessories

Aside from being free of defects upon receiving, consumable parts, like cutters and abrasives, are not covered by this warranty unless otherwise stated by Laguna Tools®. These parts are designed to be used at the expense of the operator and are available for replacement or inventory purchase.

Shipping Damage

Laguna Tools® and the purchasing customer is not responsible for damage or loss caused by a freight company or other circumstances not in the direct control of Laguna Tools®.

All shipping related claims for loss or damaged goods must be made to Laguna Tools within twenty-four hours of delivery.

Safety

Read and understand all warnings and operation instructions before using any tool or equipment. Always follow basic safety precautions to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. This product should NOT be modified and/or used for any application other than for which it was designed.

It is important for you to read and understand this manual. The information it contains relates to protecting your safety and preventing problems.

Safety Guidelines - Definitions

This manual contains information that is important for you to know and understand. This information relates to protecting your safety and preventing equipment problems. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these sections.

⚠ DANGER! Indicates an imminently hazardous situation which, if not avoided, will 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, may result in minor or moderate injury.

TECH TIP  Indicates a helpful tip from our technical staff.

Important Safety Instructions

⚠ WARNING! Read and understand all warnings and operating instructions before using this equipment. Failure to follow all instructions listed below, may result in electric shock, fire, and/or serious personal injury or property damage.

Woodworking can be dangerous if safe and proper operating procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. Safety equipment such as guards, push sticks, hold-downs, feather boards, goggles, dust masks and hearing protection can reduce your potential for injury. But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it. Figure out an alternative procedure that feels safer. **REMEMBER:** Your personal safety is your responsibility.

⚠ WARNING! This machine was designed for certain applications only. We strongly recommend that this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, do not use the machine until you have first contacted the manufacturer to determine if it can or should be performed on the product.

If you have any questions relative to its application do not use the product until you have contacted the manufacturer and we have advised you.

General Safety Rules

⚠ WARNING! FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.

FOR YOUR OWN SAFETY, READ AND UNDERSTAND THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE. Learn the unit's application and limitations as well as the specific hazards peculiar to it.

KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

DON'T USE IN DANGEROUS ENVIRONMENT. Don't use this unit in damp or wet locations or expose it to rain. Keep work area well-lighted.

KEEP CHILDREN AND VISITORS AWAY. All children and visitors should be kept a safe distance from work area.

DISCONNECT UNIT before servicing.

CHECK DAMAGED PARTS. Before further use of the unit, properly repair or replace any part that is damaged.

Fume Extractor Safety Rules

Use this unit within the manner intended by the **manufacturer**. If you have **questions**, contact the manufacturer.

Before servicing or cleaning the unit, switch power off at the control panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

Wear protective clothing and safety glasses when **operating** or servicing the fume collector.

Use proper lifting and rigging equipment to install this equipment.

Replace all access panels before operating.

Electrical connections should only be made by qualified **personnel and** be in accordance with local and national codes along with other applicable regulations.

Keep flammable materials and vapors, such as gasoline, away from the weld fume collector.

Noise Emission

Given that there exists a relationship between noise level and exposure times, it is not precise enough to determine the need for supplementary precautions. The factors affecting the true level of exposure to operators are clearly the amount of time exposed, the characteristics of working environment other sources of dust and noise etc. For example, adjacent machines in other words the level of ambient noise. It is possible that exposure level limits will vary from country to country.

Prop 65

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

Save these instructions.

Refer to them often and use them to instruct others

Specifications

Specifications

MDCEF11001 SV

General Specifications	
Package Dimensions (WxLxH):	W24" L22.8" H55.5"
Product Assembled Dimensions (WxLxH):	W20" L19" H50"
Package Weight:	220 lbs
Product Weight:	154 lbs
Product Category:	Air Handling Machines
Product Subcategory:	Fume Extracting Machines
Certifications:	CSA – 70193234, CE, ISO 9001
Category Specifications	
Electrical (V/hz/ph):	120V/60Hz/1ph
Running Amperage	120V-10A 220V-5A
Circuit Breaker Recommendation	120V-20A 220V-10A
Motor Type:	AC induction with double sealed bearings
Motor Power:	1HP
Fan Size:	12"
Switch:	Magnetic 220V
Subcategory Specifications	
Inlet Diameter:	4", Circulator Option
Airflow 100% power:	6300 ft./min
Maximum Static Pressure:	4.86"H2O
Inlet CFM:	529 CFM
Inlet Static Pressure:	3.21"H2O
Filter Arrangement:	Aluminum Catch, Consumable Filter, 10 Micron Bag filter, 0.2 Micron HEPA Filter, 6 Kgs Chemical filter mix
Filter Surface Area:	N/A
CFM with Circulator Lid	1200CFM (108in ² surface area)

CFM

Carbon weights/Tube size	2.5"	4"	6"	8"
Activated Carbon 6 KGS	269.6	528.9	694.5	998.4
Activated Carbon 18 KGS	260.8	490.6	648.5	998.4

AIR FLOW(m/s)

Carbon weights/Tube size	2.5"	4"	6"	8"
Activated Carbon 6 KGS	40.2	31	18	15
Activated Carbon 18 KGS	38.9	26	17	15

Accessories

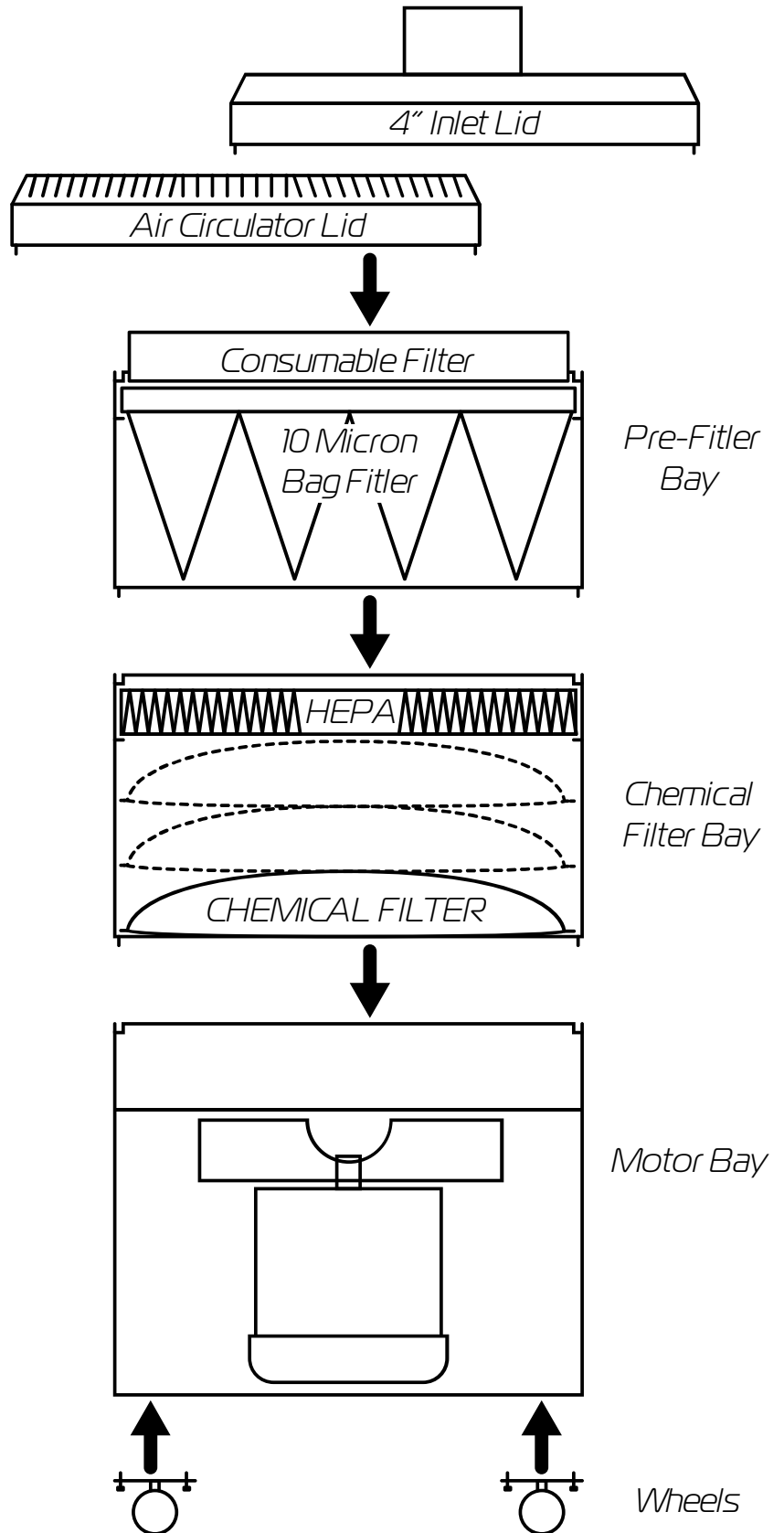
0432-A011 Laguna EFLUX Ambient Air Cleaner Kit	PDCEF-Air Filter Top
0432-A021 Laguna EFLUX 6 Kgs. Carbon Chemical Filter Mix	PDCEF-Carbon Mix
0432-A031 Laguna EFLUX Consumable Pre-Filter	PDCEF-Pre Filter
0432-A041 Laguna EFLUX 10 Micron Bag Pre-Filter	PDCEF-Bag Filter
0432-A051 Laguna EFLUX 0.2 Micron HEPA filter	PDCEF-HEPA Filter
0432-A061 Laguna EFLUX Aluminum pre-filter catch	PDCEF-Alu Mesh

Set Up

Set Up

1. Remove all parts from carton.
2. Tilt motor bay on one side and install the four mobility wheels.
3. Remove plastic wrapping bag from charcoal filter. Keep the carbon in the permeable polyester containment bag.
4. Distribute the carbon on the chemical filter bay (do not remove carbon from permeable bag).
5. Install chemical filter bay on the motor bay.
6. Remove plastic wrapping from HEPA filter.
7. Place Hepa Filter in place, above the carbon in chemical filter bay.
8. Remove plastic wrapping from 10 micron bag filter.
9. Place bag filter in the pre filter bay.
10. Install prefilter bay on top of the chemical filter bay.
11. Place consumable filter in place in the prefilter bay.
12. Install the 4" lid or air circulator lid.

TECH TIP The machine will come standard with 6KGS of activated carbon/chemical blend. The Chemical Filter Bay can fit up to 18KGS, or three bags. In most applications, having more carbon/chemical mix is bene





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