



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY



Inline Filter 300/600

USER MANUAL

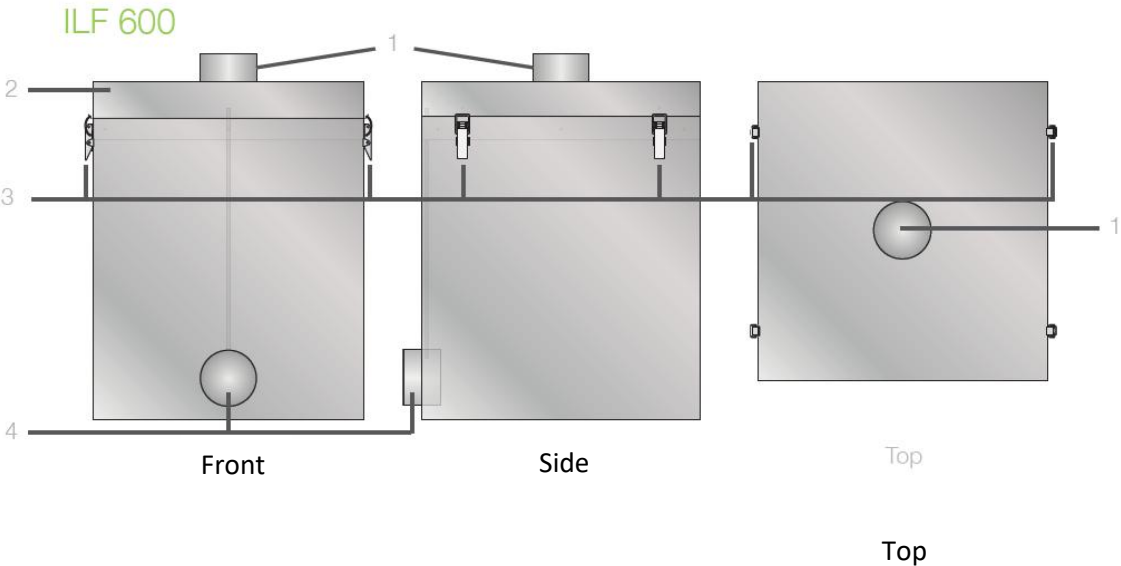
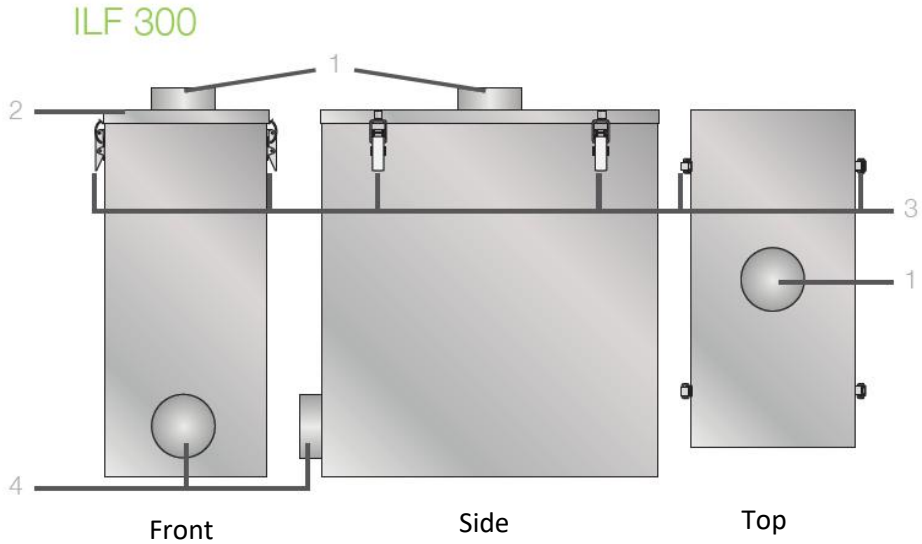


Contents

1	01	Overview of your unit	15
2	01	Important safety notes	
	02	Safety labels	
3	01	Unpacking and unit placement	
4	01	Overview and operating the unit	
5	01	Cleaning the unit	
	02	Filter replacement	
6	01	Consumables spares & filter disposal	
7	01	ILF 300/600 specifications	

Overview

1 01



- 1 Inlet – Various sizes available
- 2 Lid
- 3 Filter Compartment Hinges
- 4 Exhaust Outlet – Various sizes available

Safety Instructions



Important safety notes

Concerning symbols used on the extraction unit and referred to within this manual.



Danger

Refers to an immediately impending danger. If the danger is not avoided, it could result in death or severe (crippling) injury. Please consult the manual when this symbol is displayed.



Warning

Refers to a possibly dangerous situation. If not avoided it could result in death or severe injury. Please consult the manual when this symbol is displayed.



Caution

Refers to a possibly harmful situation. If not avoided, damage could be caused to the product or something in its environment.



Important (Refer to manual)

Refers to handling tip and other particularly useful information. This does not signify a dangerous or harmful situation. Refer to manual when this symbol is displayed.

Warning

When working with the pump/motor housing open, Live 230/115 volt mains components are accessible. Ensure that the rules and regulations for work on live components are always observed.

Important

To reduce the risk of fire, electric shock or injury:

1. Always isolate the system from the mains power supply before removing the pump/motor access panel.
2. Use only as described in this manual.
3. Connect the system to a properly grounded outlet.

Dangers to eyes, breathing and skin

Once used, the filter within the system may contain a mixture of particulates, some of which may be sub-micron size. When the used filters are moved it may agitate some of this particulate, which could get into the breathing zone and eyes of the operative. Additionally, depending on the materials being used, the particulate may be an irritant to the skin.

This unit should not be used on processes with sparks of flammable materials or with explosive dusts and gases, without implementation of additional precautions.

Caution: When changing used filters always wear a mask, safety shoes, goggles and gloves.

BOFA Technical Service

If problems arises with your unit please contact us:

- Visit our website at www.bofa.co.uk for on-line help.
- Or contact the helpline on **+44 (0) 1202 699 444**, Mon-Fri, 9am-5pm.
Email: Technical@bofa.co.uk

b). Appropriate maintenance procedures to prevent the risk of build-up of debris which could potentially combust.

This unit should not be used on processes where sparks could occur, with explosive dusts and gases, or with particulates which can be pyrophoric (can spontaneously ignite), without implementation of additional precautions

It is essential that nozzles or other extraction/ fume capture devices and hoses/pipework are cleaned regularly to prevent the build-up of potentially ignitable debris

Safety Instructions



Warning and Information labels

The following listing details labels used on your unit.

Goggles, Gloves & Mask Label



Meaning: Goggles, Gloves and Masks should be worn while handling used filters.

Warning Label



Meaning: Power should be isolated before the panel with this label attached is opened/ removed.

PLEASE NOTE: If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment maybe compromised.

Fire Risk Warning

In the very rare event that a burning ember or spark is drawn into the fume extraction unit, it may be possible that the filters will ignite.

Whilst any resultant fire would typically be retained within the fume extraction unit, the damage to the extractor could be significant. It is therefore essential to minimise the possibility of this occurring by undertaking an appropriate Risk assessment to determine:-

a). Whether additional fire protection equipment should be installed.

Before installation



Packaging Removal & Unit Placement

Before installation, check the extraction unit for damage. All packaging must be removed before the unit is operated.

Please read all instructions in this manual before using this extractor.

1. Move the unit to the location where it is going to be installed and remove the outer packaging. **This unit should be installed in a well-ventilated area.**

Ensure that 500 mm space is available around any vented panels on the extractor to ensure adequate airflow.

2. Check the filter is located in its correct position before replacing the lid and securing the clips



Caution

Do not block or cover the airflow and motor cooling ports on the unit, as this severely restricts airflow and may cause damage to the unit.



Caution

Under no circumstances should the exhaust outlet/s be covered as this will restrict the airflow and cause overheating.

Installation & Operation

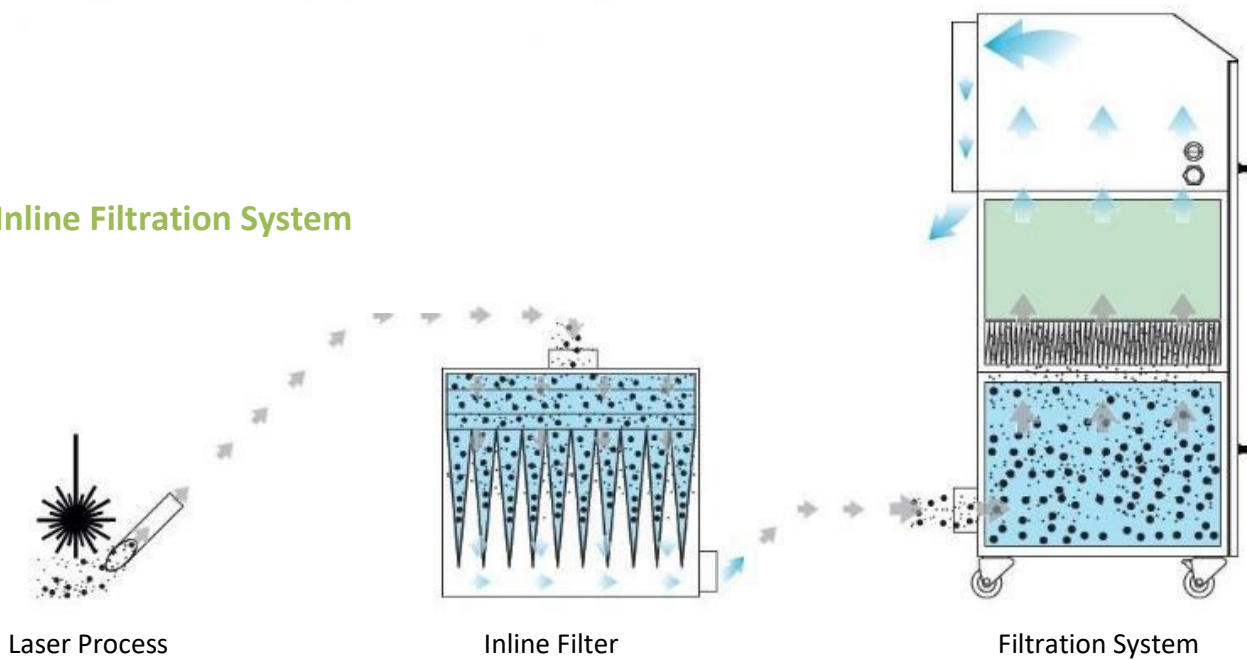
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The Inline Filtration system

This unit has been designed specifically for applications that generate high amounts of fine dust or particulate.

The unit is positioned alongside the main BOFA fume filtration system to increase the overall filter capacity and extend the life of the main filters.

Inline Filtration System



Maintenance



replacement filters can be found on the filters fitted in your system.

To prevent overheating, units should not be run with a blocked filter condition, or with dust obstruction of Inlets / Outlets.

Maintenance UK

It is a legal requirement, under regulation 9 of the COSHH regulations that all local exhaust ventilation systems are thoroughly examined and tested at least once every 14 months (typically carried out annually). The approved code of practice recommends that a visual check should be carried out at least once a week.

COSHH requires the annual inspection and testing to be carried out by a competent person and specifies that documentation results are recorded in a log.

Contact the seller for more information about inspection and certification.

Maintenance General

User maintenance is limited to cleaning the unit and filter replacement, only the manufacturers trained maintenance technicians are authorised to carry out component testing and replacement. Unauthorised work or the use of unauthorised replacement filters may result in a potentially dangerous situation and/or damage to the extractor unit and will invalidate the manufacturer's warranty.

Cleaning the unit

The stainless steel units should be cleaned with a proprietary stainless steel cleaner, in accordance with the manufacturer's user instructions.

Filter Information

A log of filter changes should be maintained by the user. The filters require attention when the display shows the configuration shown on the next page or when the extractor no longer removes fume efficiently.

It is recommended that a spare set of filters are kept on site to avoid prolonged unit unavailability. Part numbers for

Maintenance



Filter Replacement

The pre filters fitted in the system are simple to replace. Power to the main extraction system must be disconnected before doing so.

1. Release the clips on each side of the unit.
2. Remove the lid
3. Carefully lift the used filter out of the unit. It is recommended that used filters are bagged and sealed.
4. Lower the new filter into position making sure it is properly seated.
5. Replace the lid and secure the clips.

Note: The filter MUST be fitted when the extractor is in use.

Replacement Parts



Consumable Spares

The unit contains a pre filter. This should be replaced when instructed to do so by the attached extraction system, or when the extractor no longer removes fume efficiently.

To maintain performance it is important that the filters are replaced with identical BOFA filters. To re-order please refer to the Filter number printed on the filter installed in your extraction unit.

Maintenance Protocol

Users can record changes in filter change intervals on the table below.

Pre Filter	
Date	Engineer

Filter disposal

The combined filter is manufactured from non-toxic materials. Filters are not re-usable, cleaning used filters is not recommended. The method of disposal of the used filters depends on the material deposited on them.

For your guidance

Deposit	EWC Listing*	Comment
Non Hazardous	15 02 03	Can be disposed of as non-hazardous waste.
Hazardous	15 02 02M	The type of hazard needs to be identified and the associated risks defined. The thresholds for these risks can then be compared with the amount of material in the filters to see if they fall into the hazardous category, if so, the filters will need to be disposed of in line with the local/national regulations.

*European Waste Catalogue

System Specifications



Unit: Inline Filter 300 (ILF 300)

Weight: 27kg (59.5lbs)

Standard exhaust outlet: 125mm (5.0")

Size:

	Metric (mm)	Imperial (inches)
Height	796	31.34
Depth	328	12.91
Width	638	25.11

Filters:

Filter Type	Construction	Efficiency
Pre Filter	Bag Filter	(82% @ 1micron)

Unit: Inline Filter 600 (ILF 600)

Weight: 35kg (77lbs)

Standard exhaust outlet: 125mm (5.0")

Size:

	Metric (mm)	Imperial (inches)
Height	753	29.6
Depth	610	24
Width	630	26.7

Filters:

Filter Type	Construction	Efficiency
Pre Filter	Pleated Pre Filter	(95% @ 0.9 microns)

Environmental operating range:

Temperature: +5°C to + 40°C

Humidity: Max 80% RH up to 31°C

Max 50% RH at 40°C

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