



A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

AD Cyclone

USER MANUAL

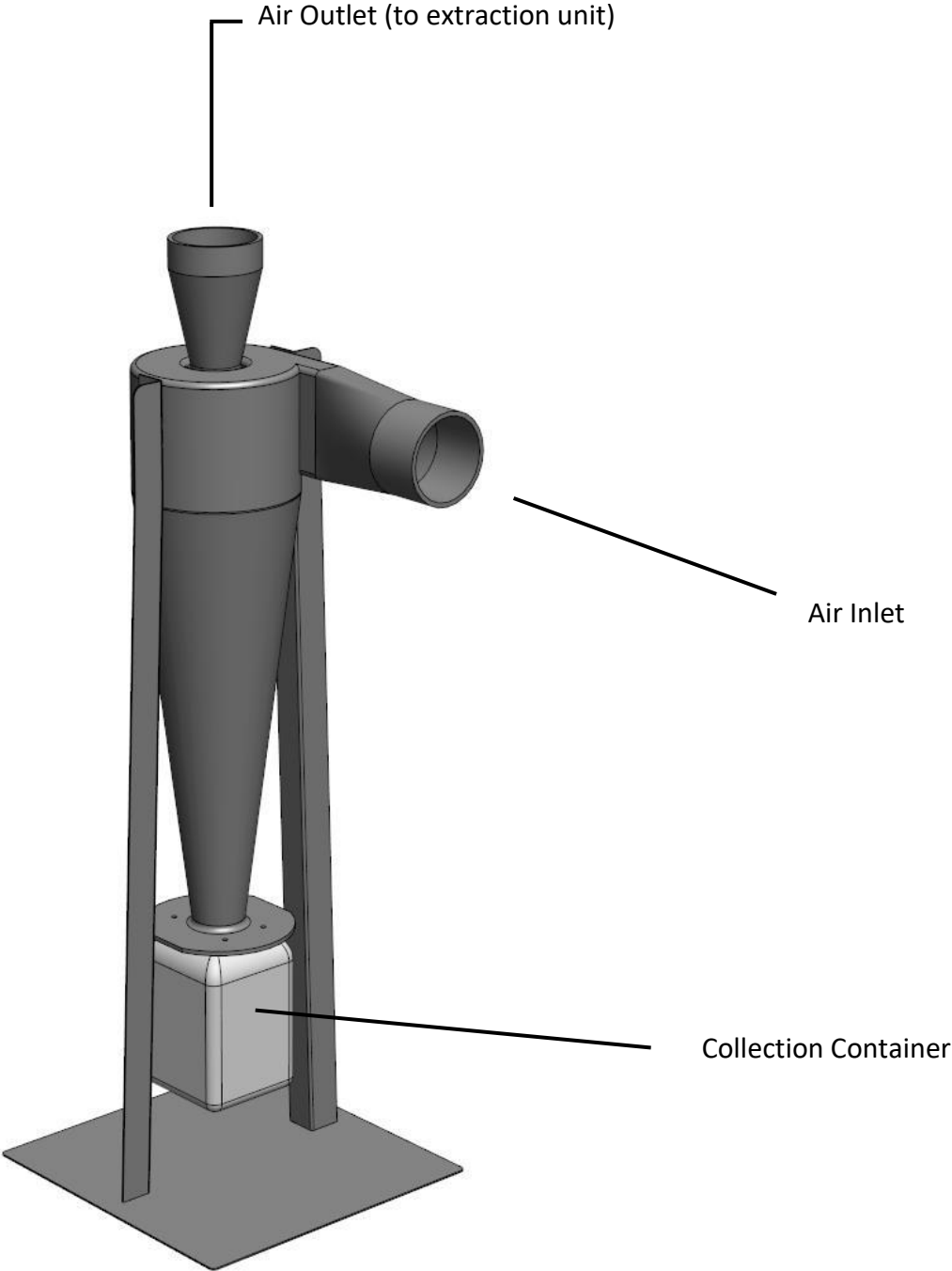


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Overview

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Installation and Operation

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Packaging Removal & Unit Placement

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

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



Move the cyclone to the location where it is going to be installed and remove the outer packaging.

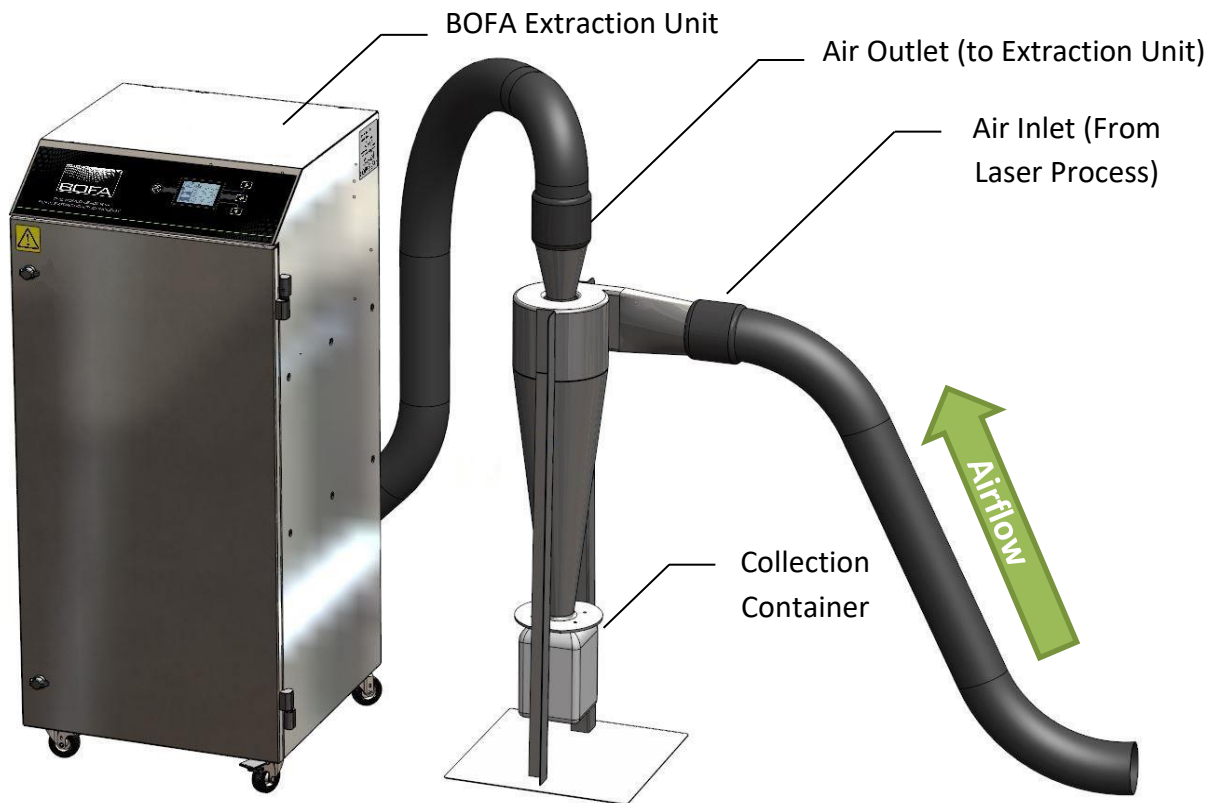
Caution

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

Installation

The cyclone installation process is quick and simple. Follow the diagram below to install your C5 Cyclone system.

BOFA International LTD recommends installation of its C5 Cyclone is undertaken by a qualified LEV Service Engineer. Air monitoring and health surveillance programmes must be considered at installation sites.



Maintenance



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

Before carrying out any maintenance or cleaning please ensure you have read and understood your Risk Assessment, adequate PPE/RPE is often a requirement.

This can include gloves, safety goggles and RPE, BOFA recommends the advice given in documents such as HSG53 & HSG25. These are available to purchase or alternatively free to download on the HSE (Health & Safety Executive) website.

User maintenance is limited to cleaning the unit, 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.

The inlets and outlets should be cleaned once a year to prevent build-up of dust and overheating of the unit.

Disposal of Cyclone Collection Containers

Filled Cyclone Containers should be treated as 'potentially hazardous waste' and obviously handled as such. Filled Cyclone Containers generated by industrial activities must be disposed of by a hazardous waste company (bagged and marked as such using the required PPE/RPE see Maintenance section). Most waste companies will be happy to provide a special bin for this purpose.

Uplifting and recycling of used Cyclone Collection Containers unfortunately isn't presently available by any UK extraction company manufacturer, the registration and transport costs aren't viable mainly due to the fact there are so many Waste Company's providing this service and also the fact they could require local treating and incineration.

As an absolute minimum BOFA International LTD recommends Cyclone Collection Containers are:

- 1) Bagged
- 2) Hazard Taped
- 3) Marked
- 4) Entered into a hazardous waste log
- 5) Placed in a hazardous waste bin

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Local Exhaust Ventilation System - **Inspection Record**

Health & Safety at Work Act 1974 - Control of Substances Hazardous to Health - Regulation 9 (2002)
Thorough Examination and Testing of Local Exhaust Ventilation Systems

Company:	System Designation:	System Installation Date:
Designated Person:		

Inspection and Maintenance Schedules

1. Daily checks
2. Weekly inspection of process enclosure, extract offtake, hose/ducting and extract/filtration unit.
3. Monthly inspection of process enclosure, extract offtake, hose/ducting and extract/filtration unit.
4. Yearly inspection / testing

**Process enclosure, extract offtake(s), hose/ducting and extract/filtration unit.
Inspection and Maintenance Record**

1. Daily inspection

Inspection of the process to ensure extract devices/nozzles/enclosures/hoses are in place and correctly positioned. Examination of the extractor to ensure it is running. This to be carried out by the operator. Daily inspection not recorded.

2. Weekly Inspection

Weekly inspection by supervisor of physical condition of extract devices/nozzles/enclosures/hoses and extraction unit for damage, change (parts added or removed) and correct operation etc. Check also that daily inspections have been completed. Tick boxes to confirm system ok / change. Add details of any changes. Report changes to Engineering Manager. Record any remedial actions taken.

Week number	Date	System ok	System Change	Details of change / repairs etc	Initial
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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21					
22					
23					
24					

25					
26					

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**Process enclosure, extract offtake, hose/ducting and extract/filtration unit.
Inspection and Maintenance Record**

2. Weekly Inspection

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Weekly inspection by supervisor of physical condition of extract devices/nozzles/enclosures/hoses and extraction unit for damage, change (parts added or removed) and correct operation etc. Check also that daily inspections have been completed. Tick boxes to confirm system ok / change. Add details of any changes. Report changes to Engineering Manager. Record any remedial actions taken.

Week number	Date	System ok	System Change	Details of change / repairs etc	Initial
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
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**Process enclosure, extract offtake, hose/ducting and extract/filtration unit.
Inspection and Maintenance Record**

3. Monthly Inspection

In addition to weekly checks. Disconnect hoses and check for blockage and smooth operation of fan, signs of dust or vapour / gas / odour carry over. Tick boxes to confirm system ok / change. Add details of any changes. Report changes to Engineering Manager. Record any remedial actions taken.

Month number	Date	System ok	System Change	Details of change / repairs etc	Initial
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

4. Yearly Inspection

Annual service To include all regular checks together with inspection of filter condition and replacement where necessary, motor and electrical checks,	Comments	Signature of Supervisor : Date:
Annual Thorough Inspection and Testing of LEV System in accordance with C.O.S.H.H. Regulation 9 (max interval 14 months) including reporting.	Comments	Signature of Supervisor : Date:

