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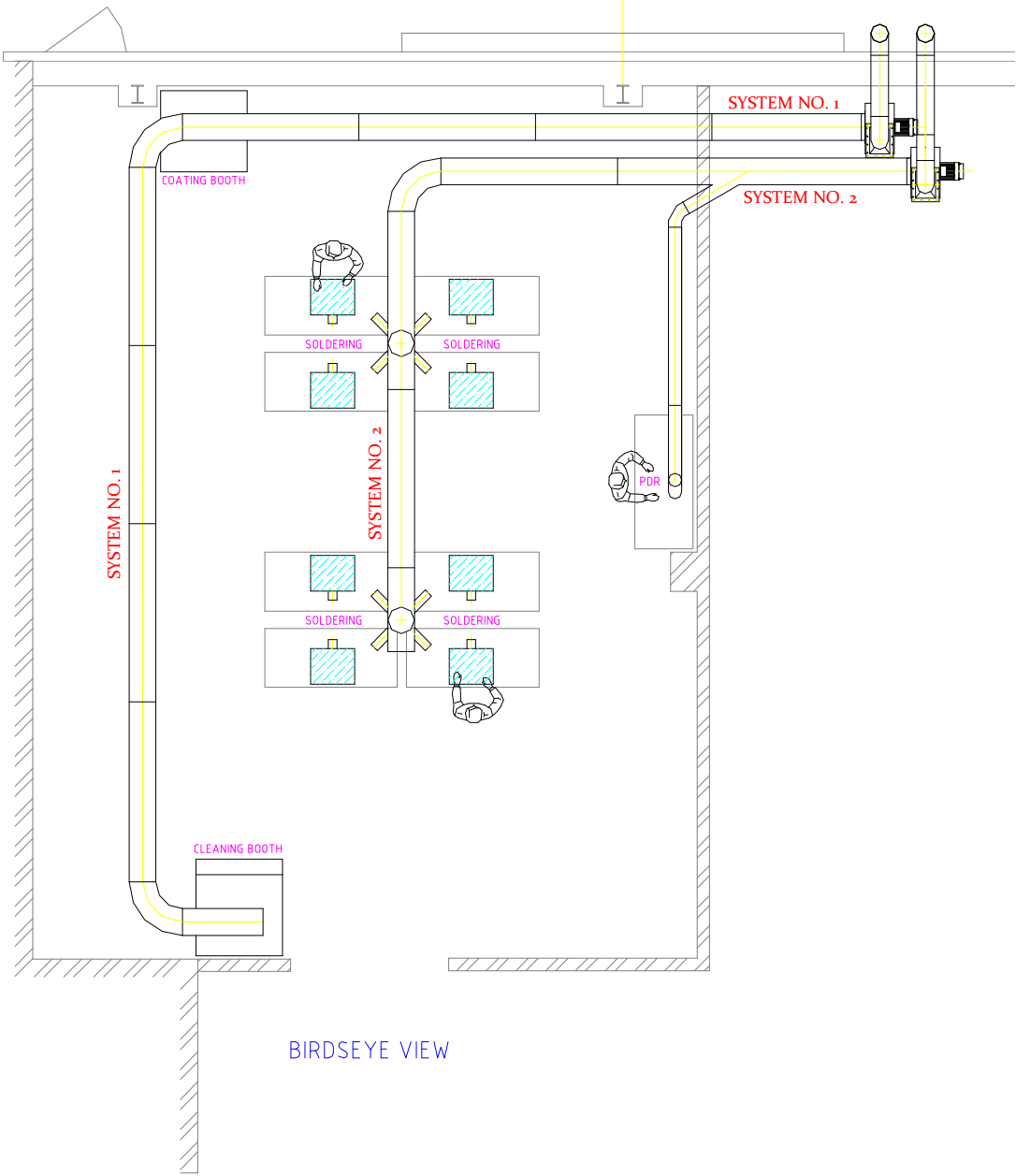
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Overview of the two systems



System Number 1 Operation:

System hoods include: Coating hood
Cleaning hood

How to start this system up:

1. Ensure the isolator is on by turning the red switch (figure 1).
2. To the right hand side of both booths is an on off switch (figure 2). Press the green on (I) button. The green light should illuminate and you should hear the extraction working.



Figure 1



Figure 2

How to switch the system off:

1. Locate the switch (figure 2). Press the red off (O) button. The green light should turn off.
2. Switch the isolator off by turning the red switch (figure 1).

How to use the hoods

The hoods are partial enclosures so as long as the operator works **inside** the hood with the extraction switched **on** then satisfactory capture of the contaminants will be achieved.



We recommend that RPE is also worn when using these hoods for maximum operator protection. This is due to the nature of the airflow patterns within the hood. The contaminant may circle in eddies within the booth and possibly pass the operators breathing zone.

Maintenance

Both hoods have filtration that will require changing. Please ensure you wear RPE and gloves when handling the filters.

Coating booth: Disposable filtration
3 off 24 x 12 x 2" Camfil Glass panel



EN779:2012 efficiency: G3.

The filters should be changed approximately after **2000 hours** or sooner if visual assessments identify problems.

Maintenance

Cleaning booth: Disposable filtration
3 off 24 x 12 x 2" Camfil 30/30 panel



EN779:2012 efficiency: G4.

The filters should be changed approximately after **2000 hours** or sooner if visual assessments identify problems.



System Number 2 Operation:

System hoods include: PDR Hoods
Soldering enclosures.

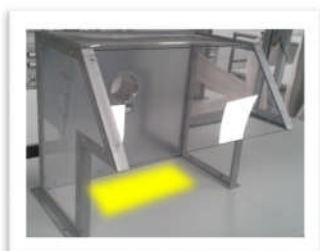
How to start this system up:

1. Ensure the isolator is on by turning the red switch (figure 3).

How to switch the system off:

1. Switch the isolator off by turning the red switch (figure 3).

How to use the hoods



Soldering:

The hoods are partial enclosures so as long as the operator works inside the hood (as indicated yellow in the picture) with the extraction switched on then satisfactory capture of the contaminants will be achieved.



PDR:

The capture hoods serving the PDR rely on the operators to position them correctly. They must be placed a maximum of **100mm** from the source of fume. We have labelled the duct with this information (figure 4) so all operators can see how to use the hoods.



Figure 3



Figure 4

Maintenance

Soldering hoods: Clean the hoods with a soft lint free cloth as required.

If the hoods become scratched limiting visibility then please call Airducts to replace the screen.

PDR: The self-supporting hoses may begin to sag. Should this happen simply twist the hose to tighten/decrease diameter.

Both Systems

Hood gauges

Both systems have Chevron digital hood gauges. This is a simple device which monitors the static pressure within the duct. If the negative pressure drops more than 20% the gauge recognizes this as unsafe conditions. This device quickly shows the operator if there is a problem with the extraction:



Figure 5
EXTRACTION ON



Figure 6
EXTRACTION NOT
WORKING

Maintenance

The gauge is powered by 2 off AA size batteries. It is designed to run for a minimum of 14 months between battery changes. When the batteries need changing the display will change to one of the forms as demonstrated in by the pictures to the right (figure 7).

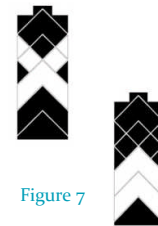


Figure 7

Dampers

Both systems have blastgate dampers. These have been installed for balancing the system. Please keep them open.

Fans

The fans are designed to require little maintenance within their lifetime. If there are any problems with the fans then they will become noticeably noisy. Please call Airducts and we can fix the issue.

What you need to do now

Weekly checks/log book: This is simply a visual assessment of the system recommended. Also switching it on to ensure the system is working correctly. The recommend frequency of checks is weekly in HSG258. The findings of the checks should be documented in the **log book** we have supplied.

It is recommended to implement a reporting procedure should any problems arise.

LEV Thorough Examination and Test: This is a statutory assessment of the LEV systems to comply with Regulation 9 of CoSHH and HSG258. Both fume extraction systems will require a thorough examination and test at least once in a period of 14 months.

Commissioning Certificates: We have supplied laminated commissioning certificates. Please keep these in close proximity to the systems. They summarize the important comparable data from the reports that will be useful for future LEV assessors to reference.

Keep your documentation safe for at least **5 years** to comply with CoSHH.