



Title: Preventive Maintenance of Reverse Laminar Air Flow

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
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1.0 OBJECTIVE

1.1 To describe a procedure for the preventive maintenance of Reverse laminar air flow.

2.0 SCOPE

2.1 This procedure applies to the Engineering department.

3.0 RESPONSIBILITY

3.1 Engineering

4.0 ACCOUNTABILITY

4.1 Plant Head

5.0 REFERENCE (S)

5.1 In-house.

6.0 PROCEDURE

6.1 Procedure for mechanical work:

6.1.1 Switch off the machine and put 'under maintenance label'.

6.1.2 Check condition of manometer tubes, replace the same if damaged.

6.1.3 Check manometer for ZERO set, if found faulty replace the same with new gauge (calibrated).

6.1.4 Check the filter condition physically.

6.1.5 Tighten loose parts.

6.2 Procedure for electrical work:

6.2.1 Check electrical connections of blower.

6.2.2 Check the vibration of the motor.

6.2.3 Check pressure drop across the filter.

6.3 Procedure for trail run:

6.3.1 Switch on the power supply.

6.3.2 Switch on mains & check blower motor for abnormal vibration & noise.

6.3.3 Check & record the observations as per Annexure-I.

6.3.4 Switch off the mains.

6.4 Procedure for handover of machines:

6.4.1 Remove under maintenance label & affix "Preventive maintenance tag" and inform the concerned department.

6.5 Frequency of preventive maintenance is once in two months



PHARMA DEVILS

ENGINEERING DEPARTMENT

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7.0 HISTORY

7.1 Details are given below.

SOP No.	REASON FOR CHANGE	EFFECTIVE DATE

8.0 ABBREVIATIONS: The abbreviations used in the SOP are as follows:

- 8.1 SOP - Standard Operating Procedure
- 8.2 No. - Number
- 8.3 QA - Quality Assurance



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ANNEXURE-I

PREVENTIVE MAINTENANCE CHECK LIST FOR REVERSE LAMINER AIR FLOW

Equipment ID No. _____

Date: _____

S.No.	Particulars	Done/Not Done	Remarks
1.	Checking of electrical connections.		
2.	Checking RLAF for vibration.		
3.	Check condition of manometer.		
4.	Check zero set of manometer.		
5.	Check filters condition.		
6.	Check ampere of each phase.		
7.	Check the HEPA filter (Physically).		

Done by
(Sign & date)

Checked by
(Sign & date)