



Title: Procedure for taking reading of Magnehelic Gauge

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 procedure for taking reading of magnehelic gauge.

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 Prereading check up.

6.1.1 Check whether all the AHU of particular area & adjacent area are in working condition at the time of taking reading.

6.1.2 Check the range whether it is mentioned on the magnehelic gauge or not.

6.1.3 Now open the door & keep it open for 20 seconds, now observe whether needle returns to initial center zero position.

6.1.4 Now close the door & the reading that is visible is the final reading of differential pressure but this is valid only if the doors of adjacent area is closed.

6.1.5 In case of deviation ie. if on opening door the needle is not returning to center zero position, open the magnelic box and clean the PU tube and the high and low port of the gauge with the fine wire. After cleaning install the magnelic gauge properly and Check the reading again.

6.1.6 In case of no deviation is observed after the correction procedure, replaces the gauge.

6.1.7 Frequency of checking is monthly.

7.0 HISTORY

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



PHARMA DEVILS

ENGINEERING DEPARTMENT

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ANNEXURE-I

PREVENTIVE MAINTENANCE CHECK LIST FOR MAGNELIC GAUGE

Equipment ID No. _____

Date: _____

S.No.	Particulars	Done/Not Done	Remarks
1	Open the screws.		
2	Take out the magnelic gauge and check the PU tube connections properly on high and low port.		
3	Clean the PU tube.		
4	Install the magnelic gauge properly.		
5	Check the reading.		

Done by
(Sign & date)

Checked by
(Sign & date)