



PHARMA DEVILS

PRODUCTION DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Production	SOP No.:
Title: Cleaning and Operation of Air Jet Cleaning Machine with Turn table	Effective Date:
Supersedes: Nil	Review Date:
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1.0 OBJECTIVE:

1.1 To lay down a procedure for cleaning and Operation of Air Jet Cleaner Machine with turn table.

2.0 SCOPE:

2.1 This procedure is applicable to the cleaning and operation of Air Jet Cleaner Machine in production.

3.0 RESPONSIBILITY:

3.1 Technical Associate : Cleaning and Operation

3.2 Officer and Executive : Supervision

3.3 Head Production : SOP compliance

3.4 IPQA Person : Line Clearance

4.0 DEFINITION (S):

4.1 NA

5.0 PROCEDURE:

5.1 CLEANING:

This is a cleaning procedure applicable for cleaning after completion of every batch/or any maintenance activity.

5.1.1 Ensure that material of previous batch removed from area.

5.1.2 Ensure that the air jet cleaner machine with turn table is switched "OFF".

5.1.3 Replace "UNDER PROCESS" label with "TO BE CLEANED" status label with date and signature of production officer.

5.1.4 Clean the turn table with the help of clean dry lint free cloth followed by wet lint free cloth.

5.1.5 Clean the control panel with the help of clean dry lint free cloth.

5.1.6 Ensure that the compressed air supply is closed and wipe the air nozzles with dry lint free cloth followed by wet lint free cloth.

5.1.7 Open the inlet and outlet bottle inverter and clean them with clean dry lint free cloth followed by clean wet lint free cloth.

5.1.8 Wipe the surface of air jet cleaning machine with dry lint free cloth followed by wet lint free cloth.

5.1.9 Wipe the air nozzles with 70 % v/v IPA.

5.1.10 Clean the air nozzle of air jet cleaner, Discharge bin and Vacuum filter after every batch.



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5.1.11 Replace the “TO BE CLEANED” status label with “CLEANED” status label with date and signature of production officer and QA officer.

5.1.12 Record the cleaning start time in the Equipment usage log sheet as per SOP.

5.2 OPERATION:

5.2.1 Replace “CLEANED” label with “UNDER PROCESS” status label with date and signature of Production Officer.

5.2.2 Enter the start time in the equipment usage log sheet as per SOP.

5.2.3 Switch “ON” the mains from electrical panel.

5.2.5 Open the valve of compressed air supply.

5.2.6 Switch “ON” the machine from the control panel.

5.2.7 Load the required number of bottles in to the turn table

5.2.8 Push the “GREEN BUTTON” given on machine and turn table started to rotate, conveyor started, blow of air started from the nozzles and suction of air starts from the slot given at side of nozzles.

5.2.9 The bottle gets inverted in the first bottle inverter station as it designed as per dimension of the Bottle. The bottle comes to its original position after cleaning when passed through second bottle inverter.

5.2.10 Bottle enter into the “BOTTLE INVERTER” this station bottle get tilted and pass through the air blowing three nozzles

5.2.11 The dust particles in the bottle will transform into the air borne particle by purging of air and these air borne particles will be sucked by the suction.

5.2.12 After completion of batch the stop the machine by pushing the “RED BUTTON” given on machine.

5.2.13 After completion of batch enter the completion time in the equipment usage log sheet as per SOP.

5.2.14 Put the “TO BE CLEANED” label dully filled and signed with production officer.

5.2.15 After cleaning if equipment is idle for more than 72 hours, reclean the machine by mopping with 70% IPA solution with sign of production officer.

6.0 ABBREVIATION (S):

6.1 QA : Quality Assurance

6.2 SOP : Standard Operating Procedure

6.3 v/v : Volume/Volume



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7.0 RERERENCE (S):

7.1 SOP: Making entries in equipment usage and cleaning log sheet.

8.0 ANNEXURE (S):

8.1 Nil

9.0 DISTRIBUTION:

9.1 **Master Copy** : Quality Assurance

9.2 **Controlled copy (S)** : Production department (01), Quality Assurance (01)

9.3 **Reference copy (S)** : Production department (01)

10.0 REVISION HISTORY:

S. No.	Version No.	Change Control No.	Reason (S) For revision	Details Of revision	Effective Date