



# PHARMA DEVILS

## ENGINEERING DEPARTMENT

### STANDARD OPERATING PROCEDURE

<b>Department:</b> Engineering	<b>SOP No.:</b>
<b>Title:</b> Operation of Water Ring Vacuum Pump	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

#### 1.0 REVISION HISTORY

Rev. No.	Details of changes	Reason for change
00	NIL	NEW SOP

#### 2.0 OBJECTIVE

The objective of this SOP is:

- 2.1 To describe the procedure for operation of Water Ring Vacuum Pump.
- 2.2 To monitor the performance of the Water Ring Vacuum Pump.

#### 3.0 SCOPE

- 3.1 This SOP is applicable for the Water Ring Vacuum Pump at .....

#### 4.0 RESPONSIBILITY

- 4.1 The Plant Operator shall be responsible for:
  - 4.1.1 The operation of Water Ring Vacuum Pump.
  - 4.1.2 Monitoring the operation.
  - 4.1.3 Reporting for abnormal behavior.
- 4.2 The Engineer shall be responsible for:
  - 4.2.1 Corrective action in case of any deviation.
  - 4.2.2 Verifying the performance parameters as per acceptance criteria.



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#### 5.0 ACCOUNTABILITY

Head –Engineering Services.

#### 6.0 PROCEDURE:

##### 6.1 STARTING PROCEDURE:

- 6.1.1 Open the water inlet valve to the pump.
- 6.1.2 Ensure that the vacuum inlet valve to pump is closed.
- 6.1.3 Switch 'On' the vacuum pump.
- 6.1.4 Check the vacuum on the gauge. It should not be less than 700 of Hg.
- 6.1.5 Gradually open the vacuum inlet valve.

##### 6.2 STOPPING PROCEDURE:

- 6.2.1 Close the vacuum inlet valve to the pump.
- 6.2.2 Switch 'Off' the vacuum pump.
- 6.2.3 Close the water inlet valve.

#### 7.0 ANNEXURES:

NIL.

#### 8.0 References (S)

NIL.

#### 9.0 Glossary



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SOP : Standard Operating procedure

No : Number