



Instructions for Installation of Insulation & Aluminum Jacket for Sahara Air Products Regenerative Air Dryers

SAHARA AIR PRODUCTS
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Service Guide



Before servicing components, it is important and advised to read and understand all instructions and procedures in this Service Guide, as well as those in the air dryer instruction manual.

These instructions apply to the following Sahara Regenerative Air Dryers:

Blower Purge (BP)

Closed System (CS)

Exhaust Purge (EP)

Heat-of-Compression (HC & SP)

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INTRODUCTION

About This Service Guide

This guide contains procedures for installing insulation and aluminum jacket for Sahara Air Products regenerative air dryers, in instances when the insulation and aluminum jacket has been shipped loose from the dryer or if it needs to be replaced.

Before Servicing Equipment

- Read and understand all instructions and procedures before servicing equipment.
- Read and observe all warnings and cautions in this Service Guide, as well as those in the air dryer instruction manual which was included with the air dryer upon shipment. They provide information that can help prevent serious injury, damage to components, or both.
- Follow your company's maintenance, service, installation, and diagnostics guidelines.
- Use proper tools to help avoid serious personal injury and damage to components.

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STEPS FOR INSTALLATION OF INSULATION & ALUMINUM JACKET

- Remove insulation from boxes. Parts will be labeled for proper location.
- Install bottom piece of insulation on proper tower. Cut out for legs. Leg height will be pre-marked to height to cut to.
- Use tape to hold insulation in place at front seam.
- Slide insulation down until insulation is resting on top of the legs and piping.
- Install middle piece, if needed. Secure with tape, then install top piece of insulation. Repeat on second tower.
- Remove aluminum from container. Find bottom piece of aluminum and carefully wrap around correct tower and slide down onto legs and piping.
- Use a piece of steel banding and a bander to snug aluminum around insulation. Use self-tapping screws in the lower half of aluminum to keep aluminum in place.
- Install middle piece using the same method as in the last step, if needed.
- Install pieces of aluminum around name plate and use tape to hold them in place (shipped in aluminum container). Then, install the top piece using same method. Use caution placing aluminum around name plate.
- Cut out holes for pressure gauge and temperature gauges. Measure up from tower name plate for hole placement.
- Install sleeves and collars around top of aluminum (shipped in aluminum container).

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FIELD & TECHNICAL SUPPORT

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INSIDE SALES FOR PARTS

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When contacting Henderson Engineering, please have the following information available:

- **Serial Number** which can be found on the air dryer; either on the ASME code nameplate on the dryer towers or in the electrical enclosure.
- **Model Number** which can be found on the air dryer; either on the ASME code nameplate on the dryer towers or in the electrical enclosure.
- Inlet air temperature and pressure.
- Actual inlet flow rate.



**Henderson Engineering Co., Inc.,
is proud to be certified to the
ISO 9001 Quality Management System
standards and guidelines.**

Sahara Air Products, Div. of Henderson Engineering Co., Inc.

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Business Office Hours: Monday - Friday 8:00 a.m. - 4:30 p.m.
Receiving Dock Hours: Monday - Thursday 7:30 a.m. - 3:30 p.m.

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