

Introduction

This document provides the instructions necessary to install AirStar Aero Preventive Maintenance Kits, part numbers 87631, 87632, 87633 and 87634. The kits cover all AirStar Aero compressor units with or without a Membrane Dryer. Each provide parts for the replacement of the compressor Air Intake Filter, Top Membrane Filter, Bottom Membrane Filter and Bottom Membrane Filter Bowl with float drain and associated O-rings in the Membrane Dryer. The supplied replacement parts are listed and shown below. Figure 1 shows the location of the filters to be replaced.

Task Guidelines.

Personnel performing the replacement tasks should use standard industry guidelines for working on equipment as necessary. These include the following:

- Before starting any replacement procedure, make sure that the kit to be used correctly matches the AirStar model to be maintained as listed below.
- Keep all attaching hardware and fastening screws together with the associated removed assembly. Use separate storage containers or envelopes for each hardware group if necessary.
- Prior to removing any part or assembly, note location and orientation of assemblies being removed.

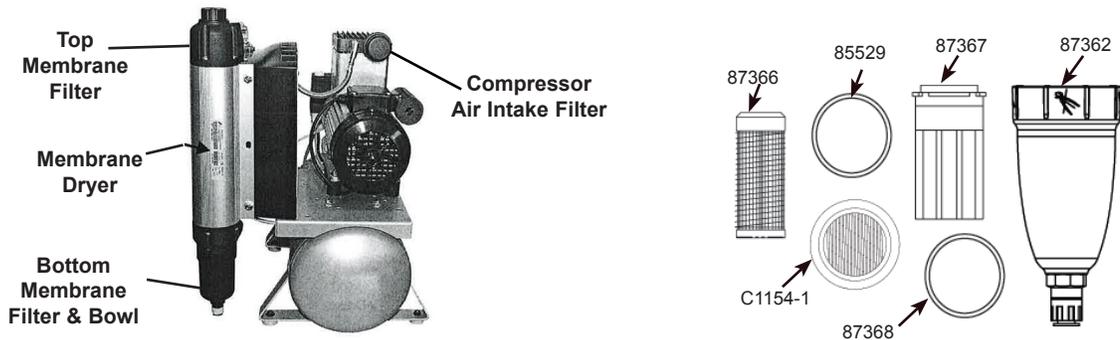


Figure 1. AirStar Filter Location

Preventive Maintenance Kits Supplied Components					
Kit Part No		87631	87632	87633	87634
Component	Part No.	Qty	Qty	Qty	Qty
Compressor Air Intake Filter	C1154-1	1	1	2	2
Top Membrane Filter	87366	0	1	0	1
Bottom Membrane Filter	87367	0	1	0	1
Bottom Membrane Filter Bowl	87362	0	1	0	1
Filter Bowl O-ring	85529	0	1	0	1
Top Cover O-ring	87368	0	1	0	1
AirStar Model Used On		AERO100	AERO100M	AERO200	AERO200M

Important Information

- Service Personnel** All personnel servicing the AirStar **must** read and understand the Operator's Manual before operating or performing any service of the unit.
- Power Removal** Never work on equipment connected to live power. Remove power by disconnecting mains power to the unit prior to performing any replacement procedures.
- Tank Pressure** Prior to performing the replacement procedures, make sure to depressurize the storage tank.

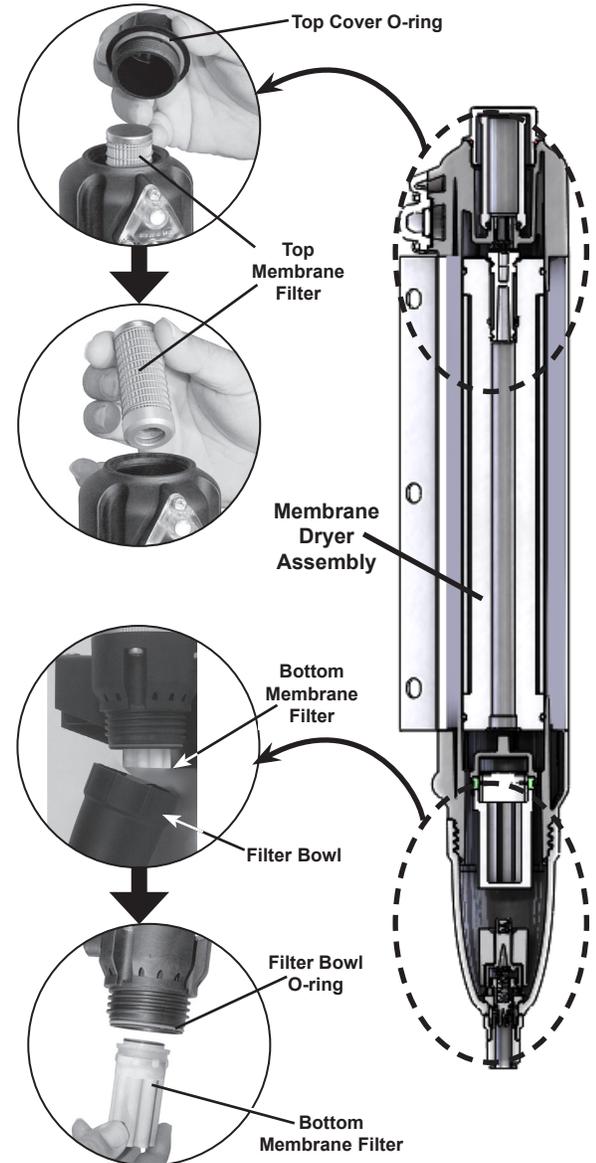
Compressor Air Intake Filter Replacement -

1. Open the cover of the intake filter by turning it clockwise. Remove the filter element (white/green) and discard used filter.
2. Install replacement filter element.
3. Install the cover of the intake filter and secure by turning it counter-clockwise.



Bottom Membrane Filter Replacement -

1. Remove the Filter Bowl from the Membrane Dryer assembly by carefully turning the bowl counter-clockwise.
2. Remove the Bottom Membrane Filter from the Membrane Dryer assembly by pushing the filter in while turning a quarter turn counter clockwise. Discard used filter.
3. With filter and bowl removed, turn system ON and allow to run for about ten seconds. Shut system OFF and clean filter area.
4. Install the replacement Bottom Membrane Filter into the Membrane Dryer as follows:
 - a. Align the four filter grooves with the four locking tabs inside the Membrane Dryer.
 - b. Push in on the filter while turning a quarter turn clockwise.
5. Remove the Filter Bowl O-ring from the bottom threads of the Membrane Dryer assembly and discard o-ring.
6. Install replacement Filter Bowl O-ring onto the Membrane Dryer.
7. Install the new Filter Bowl onto the Membrane Dryer by turning the bowl clockwise until tight.



Top Membrane Filter Replacement -

1. Remove the Top Filter Cap from the Membrane Dryer assembly by turning the cap counter clockwise.
2. Remove the Top Membrane Filter and discard.
3. With filter and cap removed, turn system ON and allow to run for about ten seconds. Shut system OFF and clean filter area.
4. Install the replacement Top Membrane Filter by carefully inserting the filter over the nozzle.
5. Remove the Top Cover O-ring from the Top Filter Cap and discard.
6. Install the replacement Top Cover O-ring onto the Top Filter Cap.
7. Secure the Top Filter Cap to the Membrane Dryer assembly by turning the cap clockwise until tight.