

### MAINTENANCE OVERVIEW

Osprey compressor preventive maintenance is simple, clean, and inexpensive. It can help ensure your system provides years of predictable performance.

While most maintenance tasks can be performed by the user, RAMVAC recommends having all service and maintenance conducted by a dealer service technician.

### KEY POINTS FOR TROUBLE-FREE OPERATION:

- Check the Coalescing and Particulate filter indicator every month.
- Keep compressor clean and free of dirt.
- Keep area surrounding compressor free of debris.
- Maintain a controlled ambient temperature between recommended levels.
- High temperatures will shorten the life of the air compressor.
- Follow the recommended preventative maintenance schedule

### CLEANING INSTRUCTIONS

1. Always disconnect the power from the equipment prior to cleaning.
2. Some parts/components on the compressor get hot during operation. Provide the equipment ample time to cool prior to cleaning.
3. All components can be safely wiped down with a damp cloth, wet with water. We do not recommend using any cleaners or harsh chemicals to clean this equipment since their potentially harmful effects have not been evaluated.
4. Do not heavily wet electrical components
5. Allow equipment to air dry or dry with clean, soft cloth.

### PREVENTIVE MAINTENANCE SCHEDULE

This is a recommended schedule for a compressor in a clean, dry environment. Any site other than specified will decrease the maintenance time exponentially

Test for Air Leaks	1st Week and Annually
Replace Intake Filters	Annually
Replace Coalescing Filter	Replace annually or when filter indicator moves to completely red when unit is running
Replace Particulate Filter	Replace annually or when filter indicator moves to completely red when unit is running
Inspect Dryer	Annually
Test Safety Valves	Annually
Replace Dessicant Cartridges	Every 5 years

**OSPREY SMART MODELS:** Reset the 2000 hour maintenance light by navigating to the maintenance screen on the C2 and press the reset button.

**OSPREY BASIC MODELS:** There is no maintenance alarm.

## **Replacing Intake Filter**

Note: All models use the same intake filter .

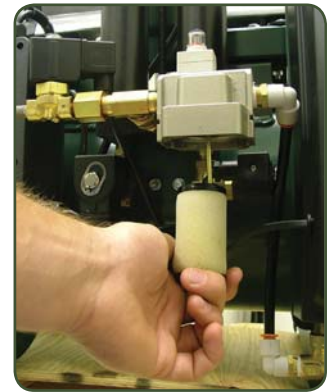
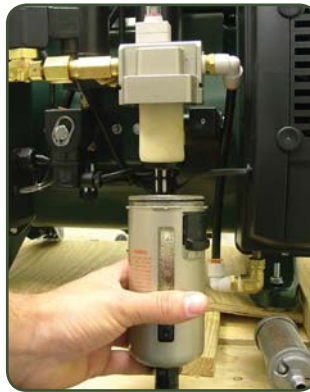
1. Turn compressor off.
  - a. For Smart models use the stop button on the C2 Control.
  - b. For Basic models use the switch toggle turning it to off.
2. Remove power from the compressor.
3. Remove intake filter cap by removing 2 screws.
4. Remove intake filter and discard.
5. Install replacement filter and replace filter cap.
6. Return power to the compressor.
7. Return compressor to service.



## **Replacing Coalescing Filter**

Note: All models use the same coalescing filter.

1. Turn compressor off.
  - a. For Smart models use the stop button on the C2 Control.
  - b. For Basic models use the switch toggle turning it to off.
2. Remove power from the compressor.
3. Pull tab down and turn coalescing filter bowl slightly right and remove.
4. Remove filter by turning completely out.
5. Install new .3 micron filter.
6. Position filter bowl, push up slightly and turn left into place. Tab will snap down into place.
7. Return power to the compressor.
8. Return compressor to service.



## **Replacing Particulate Filter**

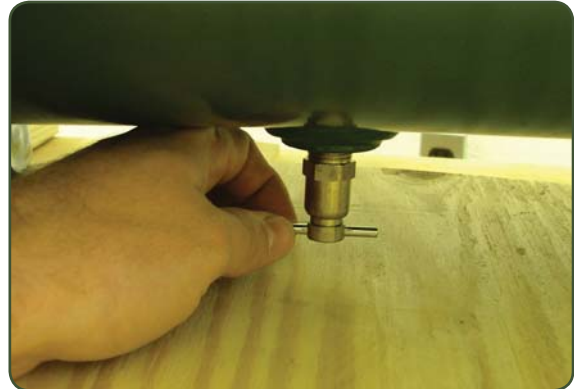
Note: All models use the same particulate filter.

1. Turn compressor off.
  - a. For Smart models use the stop button on the C2 Control.
  - b. For Basic models use the switch toggle turning it to off.
2. Remove power from the compressor.
3. Bleed air from system.
4. Push up slightly and turn particulate filter bowl slightly and remove.
5. Remove filter by turning completely out.
6. Install new .01 micron filter.
7. Position filter bowl, push up slightly and turn into place.
8. Return power to the compressor.
9. Return compressor to service.



### Inspect Dryer

1. Operate the compressor until the pressure of the tank reaches at least 45 psi.
2. Turn the compressor off.
  - a. For Smart models use the stop button on the C2 Control.
  - b. For Basic models use the switch toggle turning it to off.
3. Carefully open the tank petcock .
4. If no water drains from the tank when the valve is opened the dryer is working and go to step 6.
5. If water drains from the tank when the valve is opened the dryer is not working. See "Dryer Service Procedure" on web at [www.ramvac.com](http://www.ramvac.com) or contact RAMVAC® at 1-800-572-6822.
6. Return compressor to service.



### Test Safety Valve

1. Run compressor until 45 psi shows on the gauge.
  2. Pull ring on safety valve.
- NOTE: Safety valve located below the facility shut off valve.
- NOTE: A loud burst of escaping air will be heard when air is released from the safety valve.
3. If no air comes out of safety valve, the valve is defective and valve must be replaced immediately.

**CAUTION:** Bleed air from system before servicing.

4. Return compressor to service.



### Test Compressor for Leaks

1. Close valve to facility plumbing.
2. Run compressor until it shuts off at 100 psi.
3. Turn compressor off.
  - a. For Smart models use the stop button on the C2 Control.
  - b. For Basic models use the switch toggle turning it to off.
4. Let compressor set for 5 minutes.
5. If the pressure drop is more than 5 psi in a 5 minute time period, leaks must be repaired.
6. Repair if needed.
7. Open valve to facility plumbing.
8. Return compressor to service.

### Depressurize Air System

1. Remove the power from the air system.
2. Close the outlet to the shut off valve
3. Open the petcock to drain any air in the tank

DO NOT pull the pressure relief valve to depressurize the air system.