



## Fire Prevention Awareness

### Better Maintenance = Fewer Fires

#### 1 CLEAN AND INSPECT YOUR SMOKE DETECTOR

- ✓ Remove the detector from its housing, inspect for damage and clean out with a can of compressed air. Once you reinstall it, turn your unit on and press the test button on the smoke detector. This should trigger a shut down. Power cycle the unit once the test is complete.

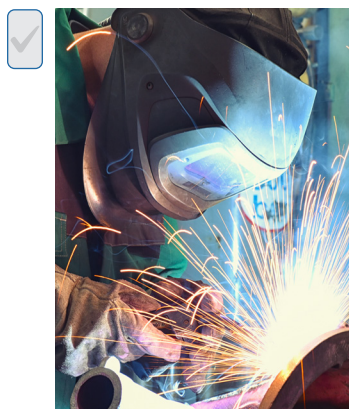


Airstream mounted



Control cabinet mounted

#### 2 CONTAIN UNCONTROLLED SPARKS



If you have a station near your RoboVent unit that is cutting, grinding or welding and sparks are landing on or nearby, you run the risk of starting a fire that could make its way to the filters. It is strongly advised that you curtain off or contain the sparks. We are happy to advise on or install spark containment for you. Contact us anytime for information.

#### 3 CHECK FIRE SUPPRESSION SYSTEMS

- ✓ **Dry Chemical Monthly Inspection**
  - The Suppression Unit is in its proper location.
  - The Manual Actuators are unobstructed.
  - The Tamper Indicator is intact.
  - The Maintenance Tag or Certificate is in place.
  - The Suppression Unit shows no physical damage or condition that might prevent operation.
    - This includes inspecting the detection tubing in the hazard area for abrasion, distortion, cuts, or dirt accumulation.
  - The Pressure Gauge is in the operable range.
  - The Nozzle Blowoff Caps are intact and undamaged.
  - Neither the Protected Equipment nor the Hazard have been replaced, modified, or relocated.

##### Semiannual Inspection

- Semiannual Inspection is to be performed only by a Certified Firetrace Distributor
- Check to see that the hazard has not changed.
- Inspect detection/actuation tubing, manual releases, discharge piping, nozzles, signals, and all other auxiliary equipment.
- Verify that the agent distribution piping is not obstructed.

##### Dry Chemical Powder Note

Examination of the Dry Chemical shall be conducted at an Authorized Firetrace Service Location at least once every 6 years. The powder will be examined for caking and may require replacement.

##### FM-200 Monthly Inspection

- Ensure the tank is securely mounted and free of obstructions.
- The tank shows no physical damage or condition that might prevent operation.
  - This includes inspecting the detection tubing in the hazard area for abrasion, distortion, cuts, or dirt accumulation.
- The pressure gauge is in the operable range.
- The Nozzle Blowoff Caps are intact and undamaged.
- Neither the Protected Equipment nor the Hazard have been replaced, modified, or relocated.

## Annual Inspection

Annual Inspection is to be performed only by a Certified Firetrace Distributor.

Remove the cylinder from the installation as follows:

- Close the ball valve by turning the ball valve lever clockwise to the "OFF" position
- Disconnect the detection tubing at the ball valve  
**Note:** There will be a loss of nitrogen pressure out of the tubing
- Disconnect the copper tubing and fittings from the cylinder valve discharge ports(s)
- Immediately install the safety plugs(s) into the valve discharge port(s)
- Remove the cylinder from the bracket
- Weigh the cylinder. Compare the measured weight with the weight found on the cylinder nameplate. If the container shows a loss in agent quantity of more than 5 percent or a loss in pressure (adjusted for temperature) of more than 10 percent, the cylinder shall be refilled or replaced.
- Remove the nozzle(s) and inspect for obstructions. Reinstall the nozzles.
- Reinstall the cylinder and re-pressurize the detection tubing with nitrogen following the applicable procedures outlined in Section 5.

## 4 GENERAL HOUSEKEEPING



General housekeeping is an easy but often overlooked item.

Do not store flammable or combustible products near the spark generating processes or near the intake of the RoboVent.

## 5 CHECK AND CLEAN YOUR SPARK ARRESTORS



All spark arrestance devices need regular inspections and cleaned as needed. A clean spark arrestor is an effective spark arrestor.

### Delta3's

Inspect inside Delta3 for dust build-up and clean with a brush. Use a long-handled brush to sweep build-up into the filter cabinet. The Delta3 is accessed through the top panel by loosening the ring clamp and removing the center bolt, then lifting by the two handles. Ensure inside walls of spark arrestor are clean and free of any build up to ensure continued function.



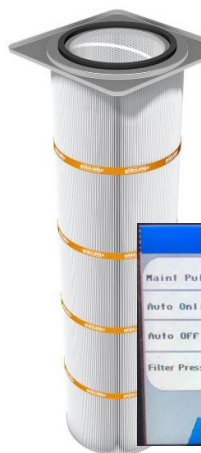
## Fire Baffles and Metal Mesh

If your machine is equipped with Metal Mesh and Fire Baffle spark arrestance, it is recommended to have a complete second set in stock for a cleaning rotation.

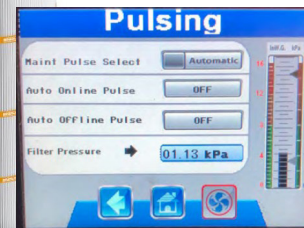
- Remove metal mesh and fire baffles, be sure to note the order that they are in and the orientation of the baffles. Set the dirty set aside for cleaning.
- Vacuum out the track and area the mesh and baffles slide in using a shop vac equipped with a HEPA filter.
- Insert the clean set of mesh and baffles in the same order and orientation. The baffles should be inserted with the cupped side facing out to catch the sparks.



## 6 CHECK FILTER PRESSURE



Filter pressure plays an important role in not only keeping your air clean but also in keeping your spark arrestance effective. High filter pressure will cause a drop in air speed, potentially reducing the effectiveness of spark arrestance. Check your filter pressure daily and do not exceed



your recommended threshold. For more information on what your filter pressure should be, please contact our Filter Team anytime.