

AeroVent® 3X

Product Manual



1700 Jasper St. Unit F, Aurora, CO 80011 T 800.624.6706 F 303.364.7796 • Newstripe.com

AeroVent® 3X Manual / 4721.0117

AeroVent® 3X

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Thank you and congratulations on your purchase of the AeroVent® 3X aerosol can disposal system.

The AeroVent® 3X has been designed to puncture and drain aerosol cans that have been used and are mostly empty. It is not intended to continuously process full cans.

Caution: Full cans must be punctured one at a time and in the center position only!

Please read over the instructions and make sure you understand operating procedures before using the unit.



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ALWAYS wear appropriate personal protective equipment when operating the unit!



- Always consult your facility safety manager for specified safety protocols prior to operating this equipment.
- Please read and understand all operation instructions as detailed in this manual. Failure to follow specified instructions may result in equipment damage or serious injury to personnel, including death.
- Always refer to the Product SDS for specific chemical handling and safety instructions prior to deflating aerosol cans.
- Liquids collected into drums may contain highly flammable liquid and vapor. Keep away from heat, sparks and flame – No smoking near the unit or drum.
- Take precautionary measures against static discharge. Ensure the grounding cable is attached to a suitable grounding source such as a metal water pipe or grounding rod.
- Keep the container closed when not in use.
- Store in a cool, well-ventilated area away from heat and ignition sources.
- Use only in a well-ventilated area.
- Avoid contact with eyes, skin, and clothing.
- Wear appropriate personal protective equipment; avoid direct contact with aerosol can contents.

CAUTION: Use of filters not specifically designed for the AeroVent® Aerosol Can Disposal Systems may result in dangerous back-pressure inside the recovery drum, resulting in equipment damage or serious injury to personnel, including death.

- Always refer to the Product Safety Data Sheet to check chemical compatibility when multiple aerosols are to be co-mingled in the same collection drum.
- Caustics, pesticides, insecticides, and white metals should not be collected into a drum with other liquid residuals and should be segregated into properly-labeled designated containers. Contact your waste handler for more information.

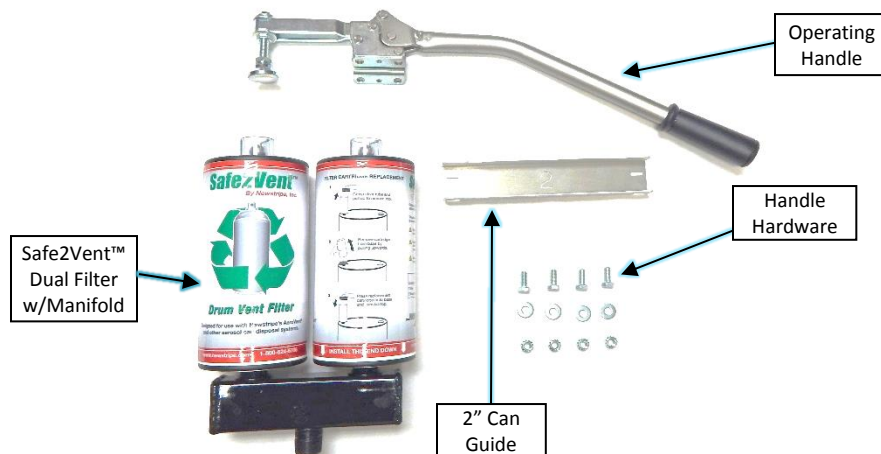


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Included Parts:

- AeroVent®3X unit with ground cable
- Safe2Vent™ Dual Filter with Manifold
- Operating Handle
- Operating Handle Hardware: Bolts (4), Washers (4), Nuts (4)
- 2" Can Guide

Tools needed for assembly:

(Not included)

(2) 1/2" wrenches.

ASSEMBLY

1. Remove the 2" bung cap from an empty 30 or 55 gallon recovery drum. Insert the threaded nipple of the AeroVent® 3X into the opening and turn the unit until it is hand tight. Center the unit over the drum.
2. Adjust the rear support feet clockwise until they are snug to the top of the drum. Then, adjust the front support foot until it is tight to the rim of the drum (the "chime").
3. Place the operating handle on the mounting plate so that the holes are aligned. Insert one bolt (with washer) through each hole. Loosely install one locking nut onto each bolt, but do not tighten yet. (Figure 1)
4. Lower the operating handle so that the swivel foot is centered side-to-side on the lid striker plate. Now tighten all nuts and bolts of the operating handle assembly to the mounting plate. (Figure 2)
5. Remove the 3/4" bung cap from the top of the recovery drum and thread the Safe2Vent™ Dual Filter with Manifold into place. Hand-tighten only! **Note:** Remove the plastic packaging completely before installing the Safe2Vent™ Filter.
6. **Attach the clamp end of the grounding cable to a suitable grounding source, such as a metal water pipe or grounding rod.**

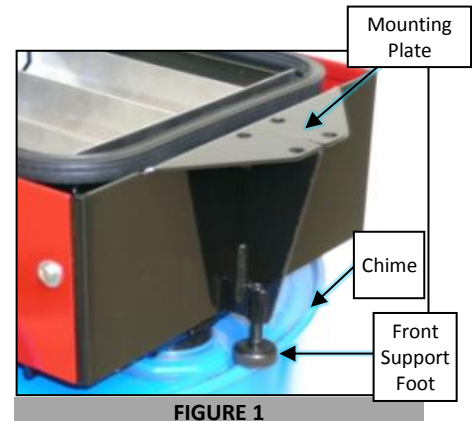


FIGURE 1

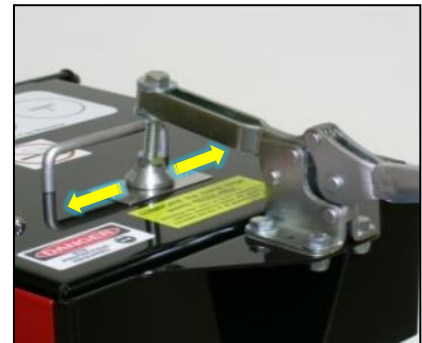


FIGURE 2



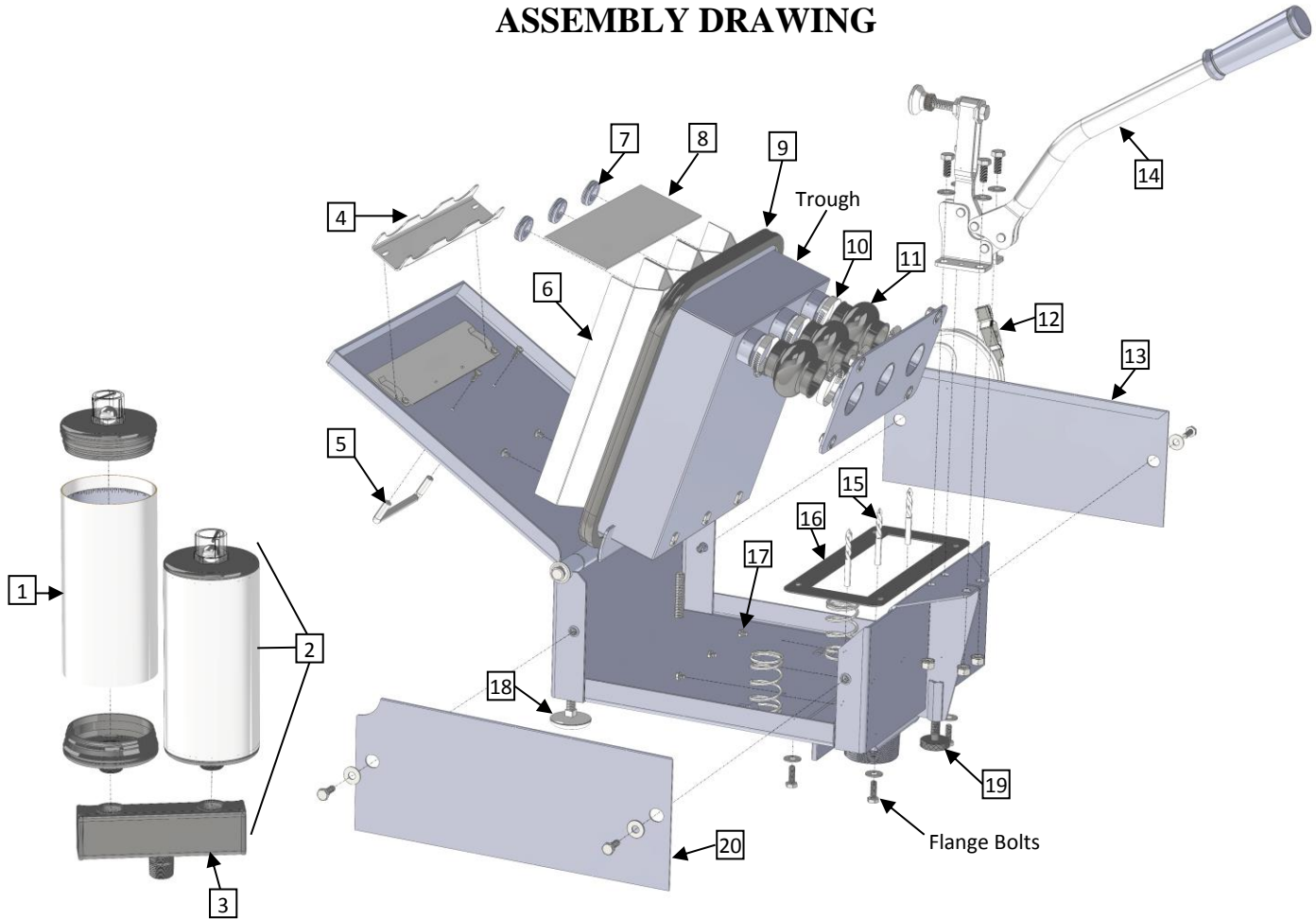
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ASSEMBLY DRAWING



PARTS LIST

ITEM NUMBER	DESCRIPTION	PART NUMBER
1.	Safe2Vent™ Replacement Element (Package of 2)	10004703
2.	Safe2Vent™ Dual Filter w/ Manifold	10004722
3.	Manifold	10004709
4.	2" Can Guide 2.6" Can Guide	10004331 10004332
5.	Lid Handle	10004195
6.	Trough Liner (3 required)	10004297
7.	Trough Liner Grommet (3 required)	10001874
8.	Front Panel	10004298
9.	Lid Gasket	10004343
10.	Bellows Clamp (6 required)	10003794

ITEM NUMBER	DESCRIPTION	PART NUMBER
11.	Bellows (3 required)	10003791
12.	Grounding Cable w/clamp	10003914
13.	Right Shroud	10004287
14.	Operating Handle w/swivel foot	10003909
15.	Cobalt Point (3 required)	10003377
16.	Flange Gasket	10004344
17.	Set Screw (3 required)	10003887
18.	Rear Support Foot (2 required)	10004305
19.	Front Support Foot	10004306
20.	Left Shroud	10004286



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OPERATION

1. Lift the operating handle to release the clamp, and open the AeroVent® 3X lid.
2. Ensure that the front panel is in place in front of the trough liners.
3. Using the guide on the side of the unit, select the corresponding can guide for the size of the can being punctured. Insert the can guide into the retainer clips located on the underside of the AeroVent® 3X lid. Slide the can guide onto the retainer clips until it locks into place. Remove the can guide completely when draining 3" diameter cans.

NOTE: Use of the wrong can guide will result in aerosol cans not puncturing correctly and improper sealing of the lid, which will result in the leakage of can contents and vapors during draining.

4. Insert aerosol cans with **the bottom of the can pointing toward the clamp**, and up against the front panel in the trough. (The clamp will engage the lid and push the lid down).

NOTE: When processing less than three cans, insert single cans into the center trough liner and dual cans into the outside trough liners. While processing multiple cans simultaneously, only puncture aerosol cans of the same diameter or cans may not puncture correctly and improper sealing of the lid can occur.

5. Close the lid. Pushing down on the operating handle will clamp the lid down and engage the puncture mechanism.
6. The aerosol cans have now been punctured and are draining. Wait 15-30 seconds and confirm the Viz-a-Ball™ indicators have stopped moving to ensure the cans are completely drained. You may now lift the handle and open the lid to remove the cans.

Note: If aerosol cans are mostly full, leave the handle in the locked position for 45-60 seconds to allow the cans to drain completely.

PRECAUTIONARY WARNING!



- Do not use the AeroVent® 3X for draining expanding foam sealant aerosol products or spray adhesive products.
- Always use the correct can guide for the diameter of the cans that you are draining.
- The clamp must remain locked until the cans are fully drained.
- To ensure that the cans are drained, wait 15-30 seconds and confirm the Viz-a-Ball™ indicators on the drum filter have stopped, before un-locking the clamp and opening the lid.
- If a can is full when punctured, wait at least one minute before opening the unit. Full cans take longer to empty and may discharge fumes or liquids if the unit is opened too soon.
- We recommend changing the carbon filter every 90 days or 600 cans. If cans contain larger amounts of remaining liquids, change the filters more often. Also, we do not recommend allowing the drum to become more than 2/3 full. An air space is needed in the drum to allow for draining and venting of fumes. Do not use single Safe2Vent™ Filters. This unit is designed to be used with the Safe2Vent™ Dual Filters only.



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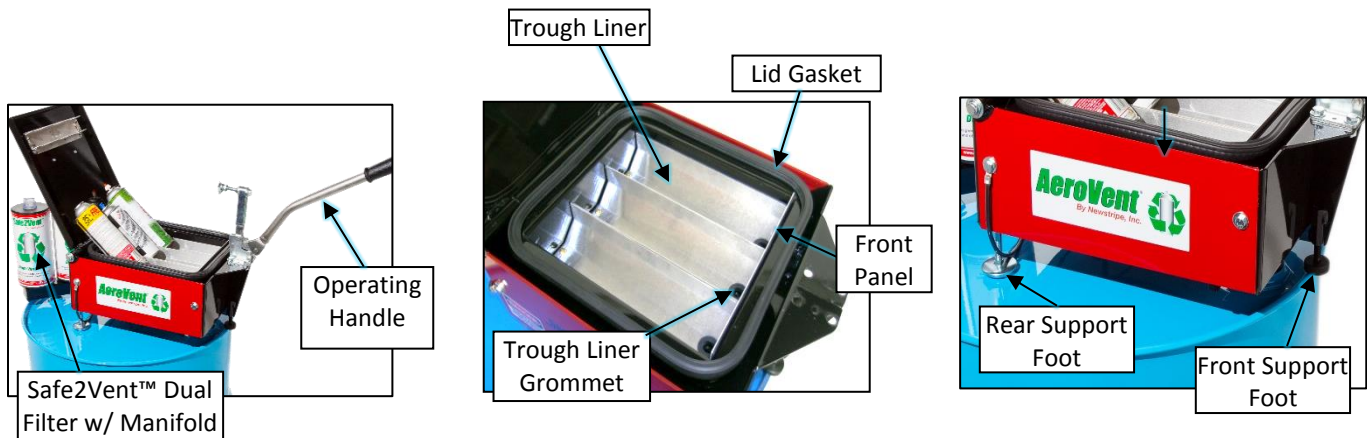
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MAINTENANCE

ITEM	CHECK	ACTION
Lid Gasket 10004249	Before each use	Replace As Necessary
Safe2Vent™ Element (2 pack) 10004703	Monthly	Replace Every 90 days or 600 cans, more often for full cans
Cobalt Point (3) 10003377	Before each use	Replace As Necessary
Bellows (3) 10003791	Every 180 days	Replace As Necessary
Trough Grommet (3) 10001874	Before each use	Replace As Necessary
Operating Handle 10003909	Before each use	Lubricate regularly with light oil. (3-in-1, WD-40 etc.)



COBALT POINT REPLACEMENT

(See Assembly Drawing Page 3)

HELPFUL HINT: Leave the unit mounted on the drum to replace the cobalt points.

1. Open the lid and remove the left and right shrouds including the grounding cable.
2. Remove the four bolts that secure the bellows flange to the base from underneath the unit. There is no need to loosen any of the bellows clamps, unless the bellows are damaged and need to be replaced.
3. Rotate the trough assembly upward and allow it to rest against the lid.
NOTE: The bellows flange may have to be gently pried off of the flange gasket to rotate the assembly up.
4. Loosen the (3) set-screws with a 5/16" wrench and replace the points. Tighten the bolts against the new points.
5. Re-assemble the unit in the reverse order of the steps above.

NOTE: Do not forget to install the grounding cable.



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SAFE2VENT™ REPLACEMENT

1. Remove the filter cap with Viz-a-Ball™ from the filter element.
2. Lift off the filter element from the filter base.
3. Press the new element onto the filter base.
4. Replace the filter cap with Viz-a-Ball™ by pressing it into the top of the element.
5. Repeat the steps above for each filter in the Dual Filter assembly.
6. Dispose of the used filter elements appropriately.



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Sincerely,
Newstripe, Inc.



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