156 Mushroom Vent

Installation & Maintenance Instructions

The 156 Mushroom Vent is designed to be used on aboveground storage tanks where an open air down draft vent is acceptable. When properly sized, installed, and maintained, the vent allows the tank to "breathe" during filling and dispensing operations.

Failure to follow any or all of the warnings and instructions in this document could result in a hazardous liquid spill, which could result in property damage, environmental contamination, fire, explosion, serious injury or death.

Installation

WARNINGS

- **Fire Hazard—**Death or serious injury could result from spilled liquids.
- Install only on shop fabricated atmospheric tanks built and tested in accordance to industry standards such as UL142, NFPA 30 & 30A, and API 650.
- Install in accordance with all applicable local, state, and federal laws.
- 156 Mushroom Vent **must** be properly sized and selected for each specific tank application
- For your safety, it is important to follow local, state, federal and/or OSHA rules that apply to working inside, above, or around the storage tank and piping area. Use all personal protective equipment required for working in the specific environment.
- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing installation. Vapors could catch fire or cause an explosion. **Avoid** sparks, open flame, or hot tools when working on vents.
- Do not paint or cover the vent in any manner. This may inhibit proper vent operation.

Steps

1. Inspect unit for shipping damage. Do not use if damage is found.
2. Check vent openings for foreign matter such as packaging material. Remove any that is found.
3. Thread vent onto the pipe (riser) in the vertical (plumb) position.

Note: There should be no reduction of pipe size between the storage tank and the Fig. 156 Mushroom Vent.

Maintenance

Monthly inspection, and immediate inspection during freezing conditions, by someone familiar with the proper operation of storage tank vents, is required to insure venting devices are functioning properly before filling or unloading a tank.

WARNINGS

- **Fire Hazard** – Death or serious injury could result from spilled liquids.
- Clogged or restricted vents could cause damage to tanks and piping releasing liquids which could catch fire.
- Dust, debris, freezing rain, freezing condensation or other contaminants could clog or restrict the vents.
- In freezing conditions, inspect the vents immediately before filling or unloading a tank.
- Follow your employer's instructions for making sure vents are not clogged or restricted.
- You must be trained to inspect the vents. **Stop** now if you have not been trained.
- Do **not** fill or unload from a tank unless you are certain that the tank vents will operate correctly.
- For your safety, it is important to follow local, state, federal and/or OSHA rules that apply to working inside, above, or around the storage tank and piping area. Use all personal protective equipment required for working in the specific environment.
- Tanks could be under pressure. Vapors could be expelled from tank vents, piping, valves or fittings while performing maintenance. Vapors could catch fire or cause an explosion. **Avoid** sparks, open flame, or hot tools when working on vents.

Steps

1. Remove the vent by unthreading the vent and lifting the vent up off the riser pipe.
2. With the vent removed, inspect the body and screen for dust, debris, snow or ice. Remove all such matter. Compressed air can be used to clean the screen.
3. Re-install the vent onto the riser pipe.

During maintenance procedure inspect all vent components and surfaces for damage, corrosion or excessive wear. If any is found, replace the vent.

Failure to follow any or all of the warnings and instructions in this document could result in a hazardous liquid spill, which could result in property damage, environmental contamination, fire, explosion, serious injury or death.