

CO₂ Component Description

Odorizer Assembly, P/N: 81-897600-001

Effective: March 2020
K-81-9162 Rev AA

FEATURES

- **UL Listed**
- **FM Approved**
- **United States Coast Guard Approved Equipment**

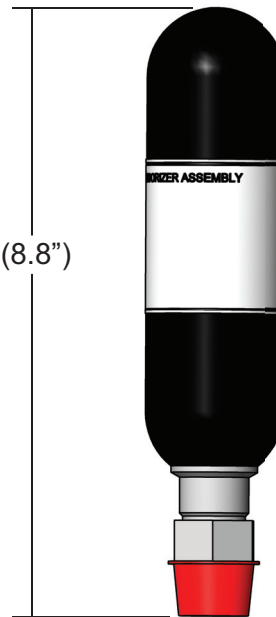
- **Absence of menthol in wintergreen permits standard shipping without Hazardous Goods classification**

ODORIZER ASSEMBLY

The odorizer assembly injects a scent of wintergreen into the carbon dioxide during a discharge. Upon discharge, the carbon dioxide pressure ruptures a burst disc to release the scent of wintergreen. This scent warns personnel in the vicinity of the area protected by the fire suppression system that carbon dioxide gas is present. An odorizer assembly is required for each USCG (marine) CO₂ system. Consult NPFA 12 (latest edition) for industrial system requirements.

INSTALL ODORIZER

Install the odorizer assembly downstream of any system valve (typically the lock-out valve) or other ancillary equipment (pressure switches, trips, etc.). Odorizer assemblies must be attached to the discharge piping in the upright position. The odorizer assembly requires approximately 9" of clearance. Odorizer assemblies connect to a 3/4" NPT fitting.



Odorizers may not be appropriate with applications such as food processing, wet benches and aluminum rolling mills due to potential risk of contamination and/or presence of humans. The system owner must be consulted and approval received prior to installing and testing an odorizer.



1. Apply Teflon™ tape or paste to the odorizer's male threads.
2. Install the 3/4" NPT fitting where the odorizer assembly will be located.
3. Screw the odorizer assembly to the 3/4" NPT fitting.

To prevent damaging the odorizer assembly during testing, it is recommended that the odorizer assembly is installed after system discharge piping system testing is complete. For periodic maintenance after the system has been installed and in use, remove the odorizer assembly prior to any discharge piping testing.



VERIFY ODORIZER ASSEMBLY

Every six months, verify that the odorizer assembly has not discharged. Verify the odorizer assembly as follows:

1. Remove the odorizer assembly.
2. Check to make sure the burst disc is intact. If the burst disc has ruptured, replace the odorizer.
3. Weigh the odorizer assembly and compare the value to the weight marked on the assembly. If the weight loss is greater than 20 grams, replace with a new unit.
4. Reattach the odorizer assembly.

POST FIRE MAINTENANCE

After a fire, replace all spent Odorizer Assemblies.

ORDER INFORMATION

Part No.	Description
81-897600-001	Odorizer Assembly, Black

EXPORT INFORMATION (USA)

Jurisdiction: EAR
Classification: EAR99
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