



Product Alert

March 29th, 2018

Type of Notification: Performance Related Concern

FM Approvals has been made aware of the need to expand the inspection and possible maintenance of the handheld Horn-Valve Assembly utilized with HPCO₂ Hose-Reels in order to eliminate the possibility of non-operation of any installed Kidde Fire Suppression System with High Pressure Carbon Dioxide.

Company Identity: Kidde-Fenwal Inc

Address: 400 Main Street, Ashland, Massachusetts 01721, USA

Contact Information: Tech Support (866) 287-2531 or kidde_techsupport@fs.utc.com

Product Identity: Part Numbers 81-980564-000 (commercial) and 86-918647-000 (military spec)

Description: Horn-Valve Assembly for HPCO₂ Hose-Reel used in Kidde Fire Suppression Systems with High Pressure Carbon Dioxide.

FM Approval Status: Horn-Valve assemblies 81-980561-000 and 86-918647-000 are FM Approved.

Hazard Involved: During a service call on a commercial vessel, a hose-reel horn-valve assembly failed at the junction of the valve body and adapter resulting in the valve separating from the hose. Investigation into the root cause is underway. The manufacturer is recommending that the inspection defined in the Recommended Field Actions within the attached bulletin is performed at the next service opportunity. All units with the above part numbers are affected by this alert.

If you suspect you are in possession of the affected equipment listed above, bearing the FM Approvals certification marking, please bring that to the attention of:

Antonio L. Pires

FM Approvals, Quality Department

Norwood, MA, USA

+1 (1)781 255 4825

Email: Antonio.pires@fmapprovals.com



Date: March 2, 2018
To: Kidde Engineered Systems Integrators – Limited Circulation
From: Product Management
Subject: Safety Bulletin: HPCO₂ Hose-Reel Horn-Valve Assembly

IMPORTANT SAFETY NOTICE – ACTION REQUIRED

Please instruct your Sales, Design, Purchasing, Installation and Service personnel to read the below carefully and take action as required

This safety bulletin is provided to alert you to the inspection and manual requirements applicable to the handheld Horn-Valve Assembly utilized with HPCO₂ Hose-Reels. *Action is required on your part.* Please read the following carefully and note Recommended Field Actions.

Issue Description

During a service call on a commercial vessel, a hose-reel horn-valve assembly failed at the junction of the valve body and adapter resulting in the valve separating from the hose. Investigation is underway. *To mitigate risk of death, physical harm and injury to all personnel involved with servicing, maintaining and operating HPCO₂ systems, we highly recommend completing the actions outlined in the Recommended Field Action section of this Safety Bulletin at your next service opportunity.*

Affected Units & Date Range

The products (Shown in figure 1) affected by this issue are listed below and this notification pertains to any and all units either installed or in on-hand inventory.

| Suspect Part Number | Description |
|---------------------|--|
| 81-980564-000 | Horn-Valve Assembly for HPCO ₂ Hose-Reel – Commercial |
| 86-918647-000 | Horn-Valve Assembly for HPCO ₂ Hose-Reel – MIL Spec |



Figure 1: Horn-Valve with Horn removed

Solution Being Implemented

Kidde Fire Systems is committed to ensuring that all fire suppression systems function as intended. In order to eliminate the possibility of non-operation of any installed system, we recommend all customers perform the inspection defined in the Recommended Field Actions at your next service opportunity. *Please store this Product Safety Bulletin with your DIOM manual and ensure your service personnel perform this inspection at every annual inspection service.* We will update the manual to include this inspection and publish it as soon as possible.

Recommended Field Actions

1. Please immediately share this bulletin with all of your land and marine end-users, customers, ship-yards, vessel owners and operators reminding them of our strong recommendation to ONLY USE AUTHORIZED AND TRAINED KIDDE DISTRIBUTORS TO SERVICE KIDDE HPCO₂ SYSTEMS.
2. At the next service opportunity, perform the following steps:
 - a. Disarm the system in accordance with the applicable manual
 - b. Remove the Horn-Valve assembly from the restraint
 - c. Visually inspect the Horn-Valve assembly as a whole for signs of damage or tamper (see Figure 2)

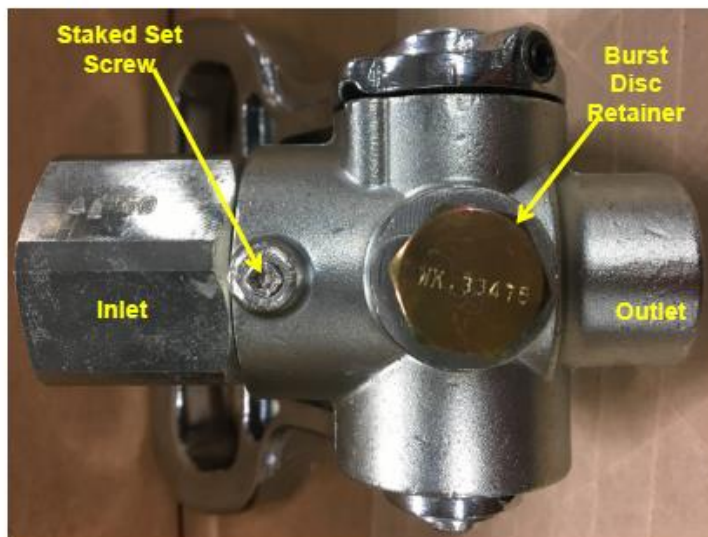


Figure 2: Horn-Valve Underside View (Horn removed from outlet for clarity only)

- d. Inspect the burst disc retainer and ensure that the vents are clear (see Figure 3)

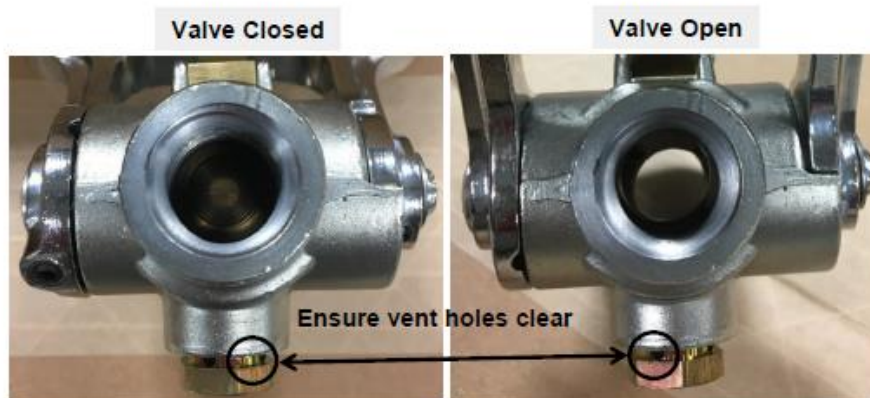


Figure 3: Horn-Valve View Showing Burst Disc Vent Holes

- e. Inspect the inlet connection stacked set screw for damage
f. Exercise the valve to open and close a few times
g. If there are any signs of damage, tampering or other impairment, recommend that the owner purchase a replacement Horn-Valve assembly
h. Complete system service and restore to proper operation in accordance with the applicable manual

Questions or Concerns

We thank you for your attention to this matter. If you have any questions or concerns, please contact Technical Support at (866) 287-2531 or via email at Kidde_TechSupport@fs.utc.com.