

# Product Bulletin



Vapor Systems Technologies, Inc.  
650 Pleasant Valley Drive  
Springboro, Ohio 45066 (USA)

## Commercial Availability & G-70-52-AM Clarification

Phone: 937-704-9333  
Fax: 937-704-9443  
www.vsthose.com

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## Commercial Availability & G-70-52-AM Clarification

The purpose of this bulletin is to clarify G-70-52-AM and Commercial Availability to explain the correct EVR hanging hardware requirements and hose configuration when replacing a non-EVR hose with an EVR-approved curb hose. CARB's Commercial Availability Advisory 374 (see attached) becomes effective on November 1, 2008, requiring GDF owner / operators to begin replacing non-EVR hanging hardware with EVR-approved hanging hardware.

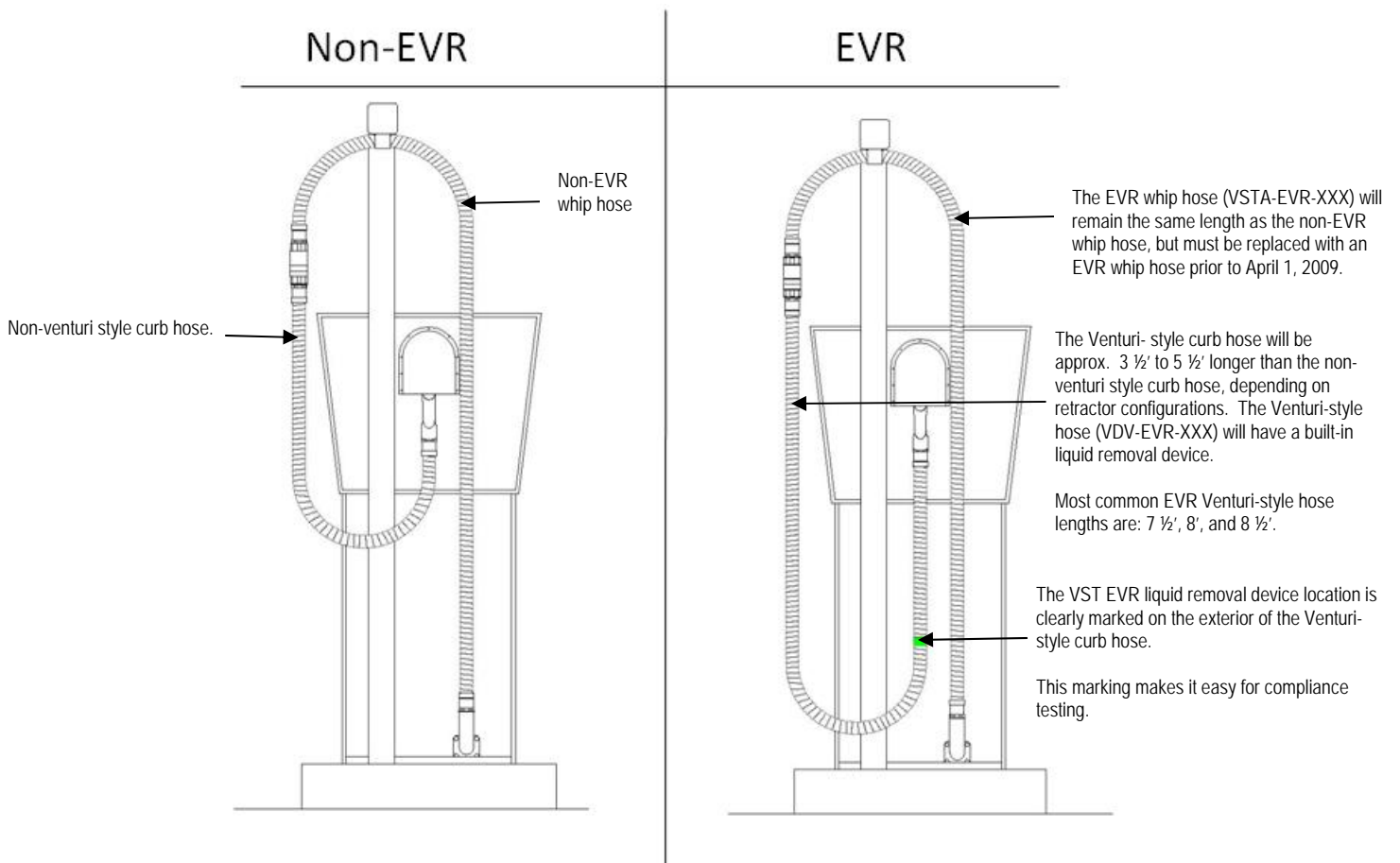
To view CARB's Commercial Availability Advisory online go to: <http://www.arb.ca.gov/vapor/advisories/advisories.htm>

| EVR COMMERCIAL AVAILABILITY & COMPONENT REPLACEMENT TIMETABLE<br>For Executive Order G-70-52-AM |  |  |   |  | CLARIFICATIONS   |
|---|--|--|---|--|--|
| Exhibits  | Requires an EVR approved hose 11.01.08 | Does not require EVR approved hose until 04.01.09 or until you install an EVR system | Requires a VST EVR approved nozzle 11.01.08 | Requires a VST EVR approved breakaway 11.01.08 |  |
| 8c  | <input checked="" type="checkbox"/>    |  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            | <ul style="list-style-type: none"> <li>EVR replacement components are not required for GDF's, which have a "Permit to Construct" application for a Franklin Fueling / Healy EVR system.</li> <li>The application must also be on file with the local air district.</li> <li>If a VST EVR system is installed, all exhibits require VST EVR hoses with liquid-removal devices.</li> </ul> |
| 9c  | <input checked="" type="checkbox"/>    |  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 10  | <input checked="" type="checkbox"/>    |  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 11  | <input checked="" type="checkbox"/>    |  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 5   |  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 8a  |  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 8b  |  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 9a / 9b   |  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |
| 11a   |  | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>         | <input checked="" type="checkbox"/>            |  |



### VST EVR Hose Conversion Facts:

1. EVR-approved curb hoses must be a Venturi style, meaning they contain built-in liquid-removal devices.
  - VST is the only provider of Balance, EVR-approved, Venturi-style curb hoses for VST EVR systems.
2. Venturi hoses will be 3 ½' to 5 ½' longer than the existing non-EVR curb hose to allow the Venturi hose to function properly.
3. The whip hose will remain the same length.
4. If you intend to install a VST EVR balance system, below is an example of a proper hose geometry conversion.



Number 374

June 30, 2008

**ENHANCED VAPOR RECOVERY (EVR)-CERTIFIED REPLACEMENT PARTS FOR ORVR-COMPATIBLE BALANCE VAPOR RECOVERY SYSTEMS**

On November 1, 2008, operators of gasoline dispensing facilities (GDFs) with On-Board Refueling Vapor Recovery (ORVR) - Compatible Phase II balance vapor recovery systems (Table 2) who need to replace some hanging hardware components will be required to install the equipment listed in Table 1 as replacement components. If a permit to construct application is on file with the Air Pollution Control District for the Franklin Fueling/Healy Phase II System, Executive Orders VR-201 or VR-202, EVR replacement components are not required with the current ORVR-compatible balance system.

EVR-certified components listed in Table 1 have met the operational standards of the Air Resources Board's Certification Procedure for Vapor Recovery Systems at Gasoline Dispensing Facilities (CP-201, dated May 25, 2006) and have been determined to be compatible with ORVR-compatible Phase II balance vapor recovery systems listed in Table 2. In ARB's approval letter 08-01, dated June 30, 2008, EVR components were determined to be commercially available as replacement parts in accord with Section 19.1 of CP -201.

**Table 1: Required Replacement Parts for Phase II ORVR-Compatible Balance Systems<sup>1</sup>**

| <b>Component</b>                | <b>Replacement required for the following exhibits of EO G-70-52-AM</b> | <b>Manufacturer</b>          | <b>EVR-Certified Component Model Number</b>                                  |
|---------------------------------|---|------------------------------|--|
| Nozzle                          | All coaxial exhibits  | VST, Inc.                    | VST-EVR-NB   |
| Breakaway Coupling              | All coaxial exhibits  | VST, Inc.                    | VSTA-EVR-SBK   |
| Coaxial Curb/Whip Hose Assembly | Only liquid removal hoses, Exhibits 8c, 9c, 10, 11                      | VST, Inc.                    | VDV-EVR /VSTA-EVR (curb hose/whip hose)                                      |
|                                 |   | Goodyear Engineered Products | Maxxim Premier Plus <sup>1</sup> /Premier <sup>1</sup> (curb hose/whip hose) |

<sup>1</sup> Note that the Goodyear hose assembly has not been certified as part of an EVR system, and as such, may not be installed as a new or replacement part in an EVR Phase II balance system.

**Table 2: ORVR-Compatible Phase II Balance Vapor Recovery Systems**

| Executive Order Number | Description   |
|------------------------|---|
| G-70-17-AD             | <a href="#">Modification of Certification of the Emco Wheaton Balance Phase II Vapor Recovery System</a>                          |
| G-70-23-AC             | <a href="#">Recertification of the Exxon Balance Phase II Vapor Recovery System</a>   |
| G-70-25-AA             | <a href="#">Recertification of the Atlantic Richfield Balance Phase II Vapor Recovery System</a>                                  |
| G-70-36-AD             | <a href="#">Modification of Certification of the OPW Balance Phase II Vapor Recovery System</a>                                   |
| G-70-38-AB             | <a href="#">Recertification of the Texaco Balance Phase II Vapor Recovery System</a>  |
| G-70-48-AA             | <a href="#">Recertification of the Mobil Oil Balance Phase II Vapor Recovery System</a>   |
| G-70-49-AA             | <a href="#">Recertification of the Union Balance Phase II Vapor Recovery System</a>   |
| G-70-52-AM             | <a href="#">Certification of Components for Red Jacket, Hirt, and Balance Phase II Vapor Recovery System</a>                      |
| G-70-53-AA             | <a href="#">Recertification of the Chevron Balance Phase II Vapor Recovery System</a>   |
| G-70-125-AA            | <a href="#">Modification of the Certification of the Husky Model V Phase II Balance Vapor Recovery Nozzle</a>                     |
| G-70-134               | <a href="#">Certification of the EZ Flo Rebuilt A-4000 Series and 11V-Series Vapor Recovery Nozzle</a>                            |
| G-70-170               | <a href="#">Certification of the EZ-Flo Rebuilt 5005 and 5015 Nozzles for use with the Balance Phase II Vapor Recovery System</a> |

Until April 1, 2009, the Table 1 components are the approved replacement components for the equivalent components for ORVR-Compatible balance vapor recovery systems listed in Table 2. By April 1, 2009, however, GDFs with underground storage tanks subject to Phase II vapor recovery requirements must upgrade to EVR certified Phase II systems. The components listed in Table 1 shall be installed and maintained in accordance with the manufacturer's installation and maintenance instructions. Please note that important instructions for the installation and testing of approved EVR replacement components are contained in ARB Approval letters [07-03](#) for Goodyear components and [07-09](#) for VST components. All EVR hanging hardware components installed on a GDF permitted under Executive Order G-70-52-AM shall be subject to all the same testing requirements applicable to the components listed in Exhibit 2 of G-70-52-AM and those sections of the Vapor Recovery Equipment Defects (VRED) list applicable to Executive Order G-70-52-AM.

District and state inspectors can check the maintenance log at a GDF to confirm that the approved replacement components are installed after drive-offs or after other maintenance which requires the replacement of balance system components.

Lastly, until April 1, 2009,<sup>2</sup> unless the components listed in Table 1 need to be replaced, GDFs with the components listed under the Executive Orders in Table 2 and in all the

<sup>2</sup> As specified in CP-201, in ozone attainment districts, GDFs with installed ORVR-Compatible Phase II vapor recovery systems may continue to operate those systems using the approved replacement components until the GDFs undergo major modifications as defined in D-200.

approval letters pertaining to the Executive Orders may continue their use, either for the remainder of their useful life or the allowable in-use period, as provided in Section 19.1 of CP-201.

If you have questions or need further information regarding this advisory, please contact Frances Cameron at (916) 445-9314 or via email at [fcameron@arb.ca.gov](mailto:fcameron@arb.ca.gov), or Pat Bennett at (916) 322-8959 or via email at [pbennett@arb.ca.gov](mailto:pbennett@arb.ca.gov).