

Balance Phase II EVR System for  
Protected Aboveground Storage Tanks (AST)

## Contractor Requirements

The following are contractor training requirements for installing, maintaining, and repairing manufacturer's enhanced vapor recovery (EVR) equipment. Unless otherwise specified below, installation, maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by technicians certified by the appropriate manufacturer.

In addition to the training requirements below, the contractor is responsible for providing the warranty tag, included with each component, to the service station owner/operator at the time of installation.

### *EMCO Contractor Requirements*

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Level	Component	Authorized Tasks	Training Pre-Requisites
<b>A</b> Must be re-certified every two-years	<ul style="list-style-type: none"><li>EMCO Hanging Hardware</li><li>Veyance Maxxim Premier Plus Hose</li></ul>	<ul style="list-style-type: none"><li>Installation</li><li>Functional Testing</li><li>Preventive Maintenance</li><li>Repair</li></ul>	No pre-requisite
<b>Note:</b>			
Depending on local codes, in addition to EMCO training, contractors may be required to take air district training or ICC certification as an approved vapor recovery installer.			
Provided that there are no other local district requirements, a GDF owner/operator can, without obtaining contractor/installer certification from EMCO, remove and install ARB-certified EMCO nozzles and breakaways and Veyance curb hoses and whip hoses.			

- EMCO certification training is given in a classroom environment.
- EMCO Certified Technicians must be able to show proof of certification if asked. Carry the wallet card or have a copy of your certification on file with the gasoline dispensing facility.
- EMCO Certified Technicians must record his or her certification number on the applicable paperwork for all warranties to be deemed valid.
- To verify EMCO contractor training go to the following website and click on contractors: <http://www.emcoretail.com>

EMCO Certified Technician should **ALWAYS** verify training and certifications requirements with the air district staff **BEFORE** beginning installation of EVR systems or components.

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**VST Contractor Requirements**

Due to the highly volatile nature of gasoline and its handling and storage, VST requires the following certifications for its Authorized Service Contractors (ASC's):

	Level A Re-cert every 2 years	Level B Re-cert every 2 years	Level C Re-cert every 2 years	Level D Re-cert every 2 years
<b>Component</b>	<ul style="list-style-type: none"> <li>Hanging Hardware</li> </ul>	<ul style="list-style-type: none"> <li>Hanging Hardware</li> <li>ECS Membrane Processor</li> </ul>	<ul style="list-style-type: none"> <li>Hanging Hardware</li> <li>ECS Membrane Processor</li> </ul>	<ul style="list-style-type: none"> <li>Hanging Hardware</li> <li><i>Green Machine</i></li> </ul>
<b>Authorized Tasks</b>	<ul style="list-style-type: none"> <li>Functional Testing</li> <li>Installation</li> <li>Maintenance &amp; Repair</li> </ul>	<ul style="list-style-type: none"> <li>Installation</li> </ul>	<ul style="list-style-type: none"> <li>Installation</li> <li>Functional Testing</li> <li>Start-Up</li> <li>Troubleshooting</li> <li>Maintenance &amp; Repair</li> </ul>	<ul style="list-style-type: none"> <li>Installation</li> <li>Functional Testing</li> <li>Start-Up</li> <li>Troubleshooting</li> <li>Maintenance &amp; Repair</li> </ul>
<b>Training Pre-Requisites</b>	<ul style="list-style-type: none"> <li>None</li> </ul>	<ul style="list-style-type: none"> <li>VST Level A</li> <li>*Veeder-Root Installer Certification<sup>1</sup> or ATG Technician Certification<sup>2</sup> or VR Vapor Products Certification<sup>3</sup>.</li> </ul>	<ul style="list-style-type: none"> <li>VST Level A/B</li> <li>Veeder-Root Vapor Products certification<sup>3</sup></li> </ul>	<ul style="list-style-type: none"> <li>VST Level A</li> <li>Veeder-Root Vapor Products certification<sup>3</sup></li> </ul>

**NOTE:**

Depending on local codes, in addition to the VST and Veeder-Root training, contractors may be required to take air-district training or ICC certification as an approved vapor-recovery installer.

\*Veeder-Root Installer Certification is a pre-requisite for ATG Technician Certification.

Provided that there are no other local district requirements, a GDF owner/operator can, without obtaining contractor/installer certification from VST, remove and install ARB-certified VST nozzles, curb hoses, breakaways, and whip hoses.

<sup>1</sup> Installer Certification – Installation (Level 1) Course in Veeder-Root UST Monitoring Systems

<sup>2</sup> ATG Technician Certification – Veeder-Root Startup & Service Technician (Level 2/3/4) in TLS-3XX UST Monitoring Systems (including Secondary Containment Vacuum Sensing – CA Only)”

<sup>3</sup> Vapor Products Certification – Veeder-Root Vapor Products – In-Stage Diagnostics – Carbon Canister Vapor Polisher – PMC – Wireless ISD/PMC

- ASC's must be able to show proof of certification if asked. Carry the wallet card or have a copy of your certification on file with the GDF.
- The ASC must record his or her certification number on the applicable paperwork for all warranties to be deemed valid.
- Contractors should **ALWAYS** verify the training and certification requirements with the air-district staff **BEFORE** beginning installation of EVR systems.
- To verify contractor training go to the following website:  
[http://www.vsthose.com/cert\\_contractors.aspx](http://www.vsthose.com/cert_contractors.aspx)

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*Hirt Contractor Requirements*

<b>Technician Certification</b>	Contractors holding valid Installer Certification is approved to perform Hirt VCS 100-2 VaporTek® Processor and indicator panel installation; wiring and conduit routing; start-up; maintenance; troubleshooting; and parts replacement.
<p style="text-align: center;"><b><u>NOTE:</u></b></p> <p><b>Depending on local codes, in addition to the Hirt training, contractors may be required to take air-district training or ICC certification as an approved vapor-recovery installer.</b></p>	

- Hirt installer certification training is given in a classroom environment.
- To verify contractor training call (562) 692-1490.