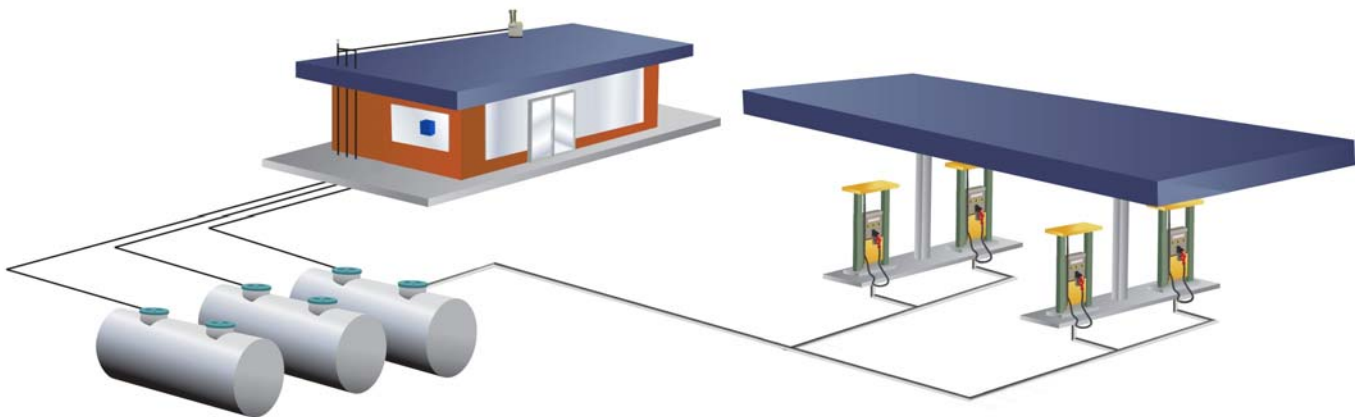


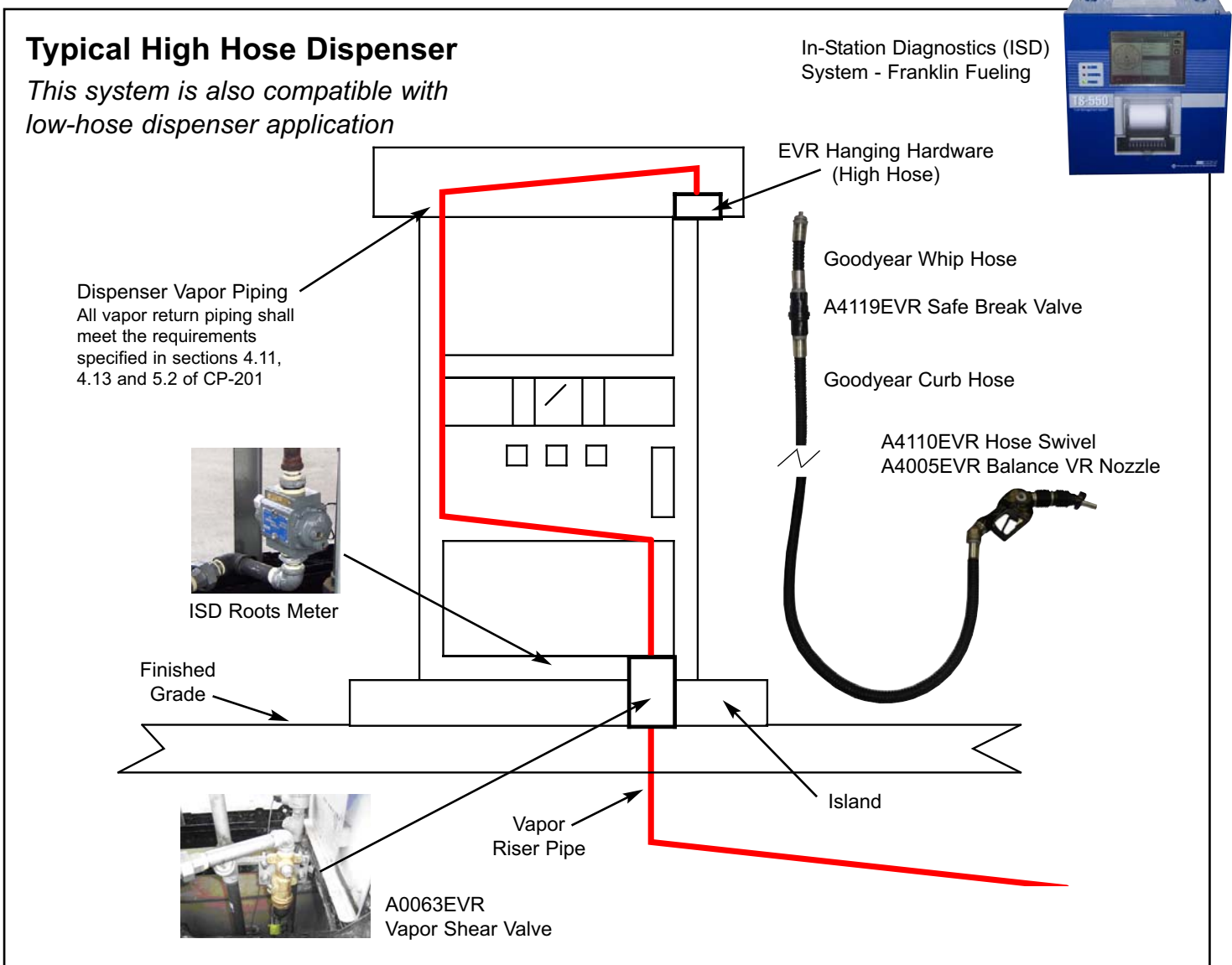
Emco Wheaton Retail Balance Phase II Enhanced Vapor Recovery (EVR) System



*The Simple, Flexible, Cost Effective Answer
To All Your Phase II EVR Needs*

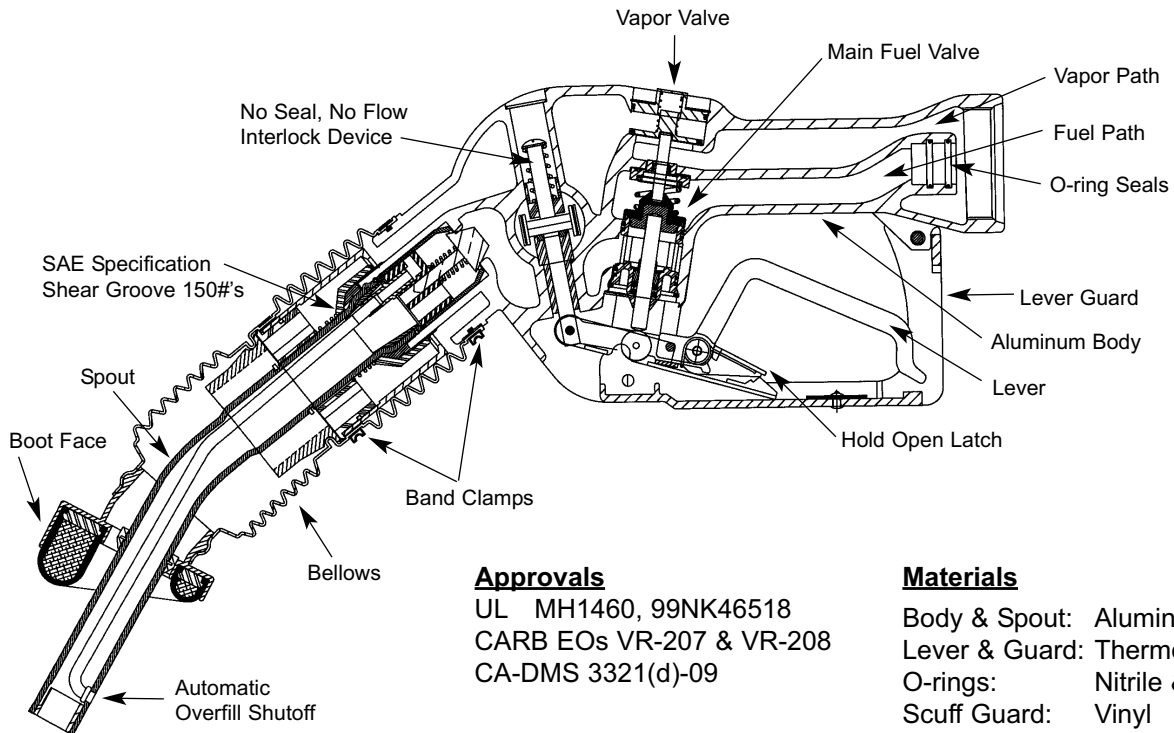
Emco Wheaton Retail Balance Phase II Enhanced Vapor Recovery (EVR) System

- A true balance phase II EVR solution
- No limit to number of fueling points or underground storage tanks
- Compatible with existing Phase II vapor recovery piping
- Easy “balance-to-EVR balance” conversion
- Low cost of ownership



A4005EVR

BALANCE VAPOR RECOVERY NOZZLE



Approvals

UL MH1460, 99NK46518
CARB EOs VR-207 & VR-208
CA-DMS 3321(d)-09

Materials

Body & Spout: Aluminum
Lever & Guard: Thermoplastic
O-rings: Nitrile & Viton®
Scuff Guard: Vinyl

Guide Specification: Balance nozzle designed to operate with most Balance Vapor Recovery Phase II Components. Complies with the California Air Resources Board Certification Procedure CP-201 Enhanced Vapor Recovery Program. Constructed with a sand cast aluminum body, extruded aluminum “dripless” spout (SAE specifications 150# shear), internal vapor valve, no-seal no-flow interlock, automatic liquid shutoff, internal pressure shutoff to detect vapor blockage and Viton® o-rings on main seals. Bellows constructed of HDPE to resist twisting, cutting and tearing.

Viton® is a registered trademark of DuPont Dow Elastomers.

A4005EVR Replacement Kits

- 492775EVR Bellows & Face Kit
- 492776EVR Boot Face Kit
- 492834EVR Spout Kit
- 494150EVR Latch Kit
- A0557-XXX Scuff Guard

Required Service Tools

- 494635EVR Spout Plug
- 494652EVR Bellows Band Clamp Crimp Tool
- 494653EVR Lever Guard Rivet Installation Tool
- 494654EVR Lever Guard Rivet Removal Tool
- 494655EVR Phase II EVR Service Kit
- 494721EVR Bellows Retainer Plate Tool
- 494761EVR Balance Nozzle Adapter
- 494771EVR Surrogate Spout Assembly



A4110EVR Swivel Coaxial 45° swivel reduces stress and allows for easier handling of coaxial hose.

A4119EVR Safe Break Shearpin breakaway protects dispenser equipment in the event of drive-offs.

A0023 Curb & Whip Hose Assemblies Goodyear Maxxim Premier Plus coaxial hoses with venturi.

A0063EVR Vapor Shear Valve Vapor Shear Valve seals off dispenser piping on Phase II riser, protecting Phase II riser from damage and eliminating vapor emissions.

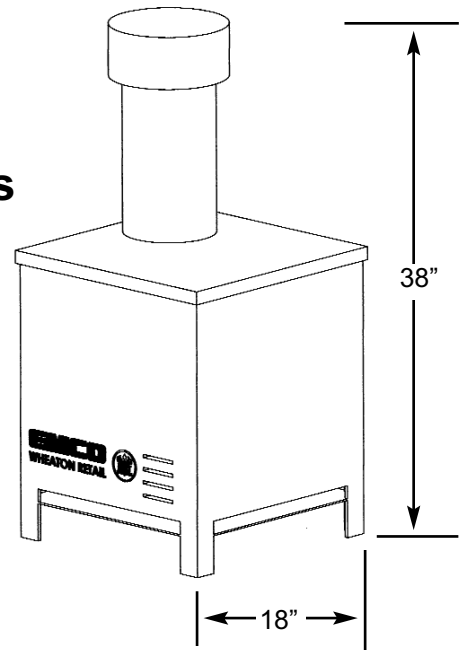
All comply with the California Air Resources Board Certification Procedure CP-201 Enhanced Vapor Recovery Program.

How the VCS-100 Vapor Processor Works

The VCS-100 is designed to keep the Emco Balance Phase II EVR Vapor Recovery System within the allowable CARB EVR Underground Storage Tank (UST) pressure criteria. The VCS-100 operates a small specialized regenerative vacuum/blower to collect excess vapor from the UST. A unique thermal oxidizer converts the excess vapor into harmless carbon dioxide and water vapor.

The VCS-100 is factory calibrated to a nominal setting of negative 0.1 inches of water column. The VCS-100 operates intermittently as required to maintain and control the UST pressure. In the event of a malfunction, an integral safeguard module closes the main flow valve, effectively preventing the release of gasoline vapor emissions to the atmosphere.

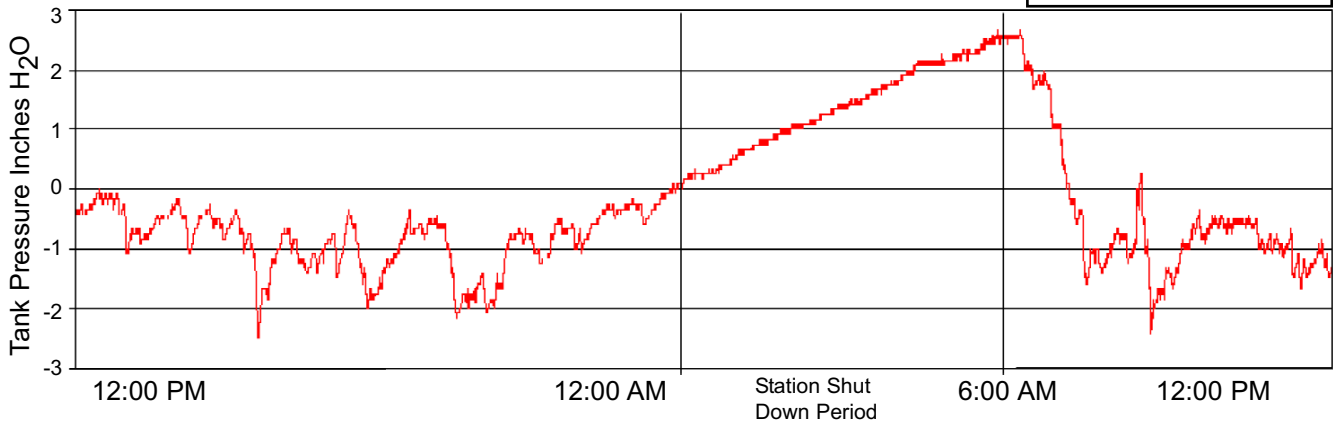
VCS-100 Processor enables the system to meet CARB's overnight pressure test protocol and daily average UST pressure maximum of 0.25" w.c.



Vapor Inlet Connection: 3/4" NPT
Weight: 80 lbs.
Electrical Requirement: 120 vac
2 amp intermittent

Tank Pressure Without Vapor Processor

CARB Daily Average UST Pressure: 0.443843" w.c.



Tank Pressure With Vapor Processor

CARB Daily Average UST Pressure: 0.001169" w.c.

