

EXHIBIT 1¹
Equipment List
Hanging Hardware

Component	Manufacturer / Model
Nozzle	VST Model VST-EVR-NB, VST-EVR-NB (Rebuilt) Or VST Model VST-EVR-NB (G2), VST-EVR-NB (G2 Rebuilt) Or EMCO Models A4005EVR, RA4005EVR (Rebuilt) (Figure 1A-1)
Coaxial Curb Hose²	VST Model VDV-EVR Series or VDVP-EVR Series Or ContiTech Model Maxxim Premier Plus (532-365-641-XXXZZ) XXX = Hose Length ZZ = Liquid Removal Pickup Location (“NV” stamped on nozzle end) Or ContiTech Model Maxxim Premier Ultra (532-366-641-XXXZZ) XXX = Hose Length ZZ = Liquid Removal Pickup Location (“NV” stamped on nozzle end) (Figure 1A-2)
Coaxial Whip Hose	VST Model VSTA-EVR Series or VSTAP-EVR Series Or ContiTech Model Maxxim Premier Plus (532-365-641-XXXZZ) XXX = Hose Length ZZ = Liquid Removal Pickup Location Or ContiTech Model Maxxim Premier Ultra (532-366-641-XXX XXXZZ) XXX = Hose Length ZZ = Liquid Removal Pickup Location (Figure 1A-2)
Breakaway Coupling	VST Model VSTA-EVR-SBK, VSTA-EVR-SBK (Reattachable) ³ Or EMCO Models A4119EVR-X X = 020 or 020S (Factory Serviced) Or EMCO Models A4119EVR-X (Reconnectable) X = 020RC or 020RCS (Factory Serviced) Or OPW Model 66CLP (Figure 1A-2)

¹ The local air district may require a permit application when changing between alternate components.

² Veyance brand name has changed to ContiTech.

³ The lower half of the VST reattachable breakaway, identified with a VST logo, cannot be used on the VST non-reattachable or rebuilt breakaways (previously certified by Executive Orders VR-203 A to O).

Allowable Hanging Hardware Combinations

Processor	Nozzle		Hose		Breakaway		
	VST	EMCO	VST	ContiTech	VST	EMCO	OPW
VST Membrane	●		●	●	●	●	●
Veeder Root Vapor Polisher	●	●	●	●	●	●	●
FFS Clean Air Separator	●	●	●	●	●	●	●
Hirt VCS 100	●	●	●	●	●	●	●
VST Green Machine	●		●	●	●	●	●

ONLY ONE OF THE FOLLOWING FIVE (5) PROCESSOR GROUPS IS REQUIRED

**VST - Membrane
Processor Equipment List #1**

Component	Manufacturer / Model
Veeder-Root TLS-350 Series, including but not limited to TLS-350, TLS-350 Plus, TLS-350R, Red Jacket ProMax, Gilbarco EMC consoles (TLS Console)	Veeder-Root 8482XX-XXX, 8470XX-XXX, ProMax 847097-XXX EMC PAO2620X000X X = Any digit (Figure 1A-3A)
RS232 Interface Module	Veeder-Root RS232 Interface Module Series (Figure 1A-3B)
VST Membrane Processor	VST Model VST-ECS-CS3-XXX (Figure 1A-4) where XXX represents motor phase and HC Sensor 110 =Single-Phase with HC Sensor 310=Three-Phase with HC Sensor
Pressure Management Control (PMC) Software Version Number	1.04
Vapor Pressure Sensor ¹ (1 per GDF)	Veeder-Root 331946-001 or 861190-201– Wired, approved for installation in the dispenser or on the vent stack (Figure 1A-5) or Veeder-Root 861190-201 - Low Powered Wireless, approved for installation on the vent stack only (Figure 1A-5)
Vapor Pressure Sensor Desiccant Tube – Optional (1 per GDF)	Veeder-Root 330020-717 – Dryer Tube (Figure 1A-5)
Universal Enclosure Kit ²	Veeder-Root 330020-716 (Figure 1A-8)
Multiport Card	Veeder-Root 330586-018
Smart Sensor Interface Module (1 per GDF)	Veeder-Root 329356-004 (Figure 1A-7)

¹ Wireless sensors require additional components specified in Veeder-Root Optional Wireless Component Equipment List.

² Required for vapor pressure sensors installed on the vent line (wired or wireless).

**Veeder-Root - Vapor Polisher
Processor Equipment List #2**

Component	Manufacturer / Model
Veeder-Root TLS-350 Series, including but not limited to TLS-350, TLS-350 Plus, TLS-350R, Red Jacket ProMax, Gilbarco EMC consoles (TLS Console)	Veeder-Root 8482XX-XXX, 8470XX-XXX, Promax 847097-XXX EMC PAO2620X000X X = Any digit (Figure 1A-3A)
RS232 Interface Module	Veeder-Root RS232 Interface Module Series (Figure 1A-3B)
Veeder-Root Vapor Polisher	Veeder Root Vapor Polisher 332761-002 - Wired or Wireless ² (Figure 1A-6)
PMC Software Version Number	1.04
Vapor Pressure Sensor ¹ (1 per GDF)	Veeder-Root 331946-001 or 861190-201 – Wired, approved for installation in the dispenser or on the vent stack (Figure 1A-5) or Veeder-Root 861190-201 - Low Powered Wireless, approved for installation on the vent stack only (Figure 1A-5)
Vapor Pressure Sensor Desiccant Tube – Optional (1 per GDF)	Veeder-Root 330020-717 - Dryer Tube (Figure 1A-5)
Smart Sensor Interface Module (1 per GDF) With Atmospheric Sensor	Veeder-Root 329356-004 (Figure 1A-7) Veeder-Root 332250-001
Universal Enclosure Kit ²	Veeder-Root 330020-716 (Figure 1A-8)

¹ Wireless sensors require additional components specified in Veeder-Root Optional Wireless Component Equipment List.

² Required for the vapor valve wireless battery/transmitter and vapor pressure sensors installed on the vent stack (wired or wireless).

**Hirt - Thermal Oxidizer
Processor Equipment List #3**

Component	Manufacturer / Model
Hirt Thermal Oxidizer With Indicator Panel	Hirt Model VCS 100 (Figure 1A-9) Leg Attachments: 5" – M39 48"- M40
Hirt 1/4" Check Valve (optional component)	Hirt P65

**Franklin Fueling Systems - Healy Clean Air Separator
Processor Equipment List #4**

Component	Manufacturer / Model
Franklin Fueling Systems Clean Air Separator	Healy Model 9961 Clean Air Separator (Figures 1A-10 and 1A-11) Healy Model 9961H Clean Air Separator (Figures 1A-12 and 1A-13)

**VST Green Machine
Processor Equipment List #5**

Component	Manufacturer / Model
Veeder-Root TLS-350 Series, including but not limited to TLS-350, TLS-350 Plus, TLS-350R, Red Jacket ProMax, Gilbarco EMC consoles (TLS Console)	Veeder-Root 8482XX-XXX, 8470XX-XXX, Promax 847097-XXX EMC PAO2620X000X X = Any digit (Figure 1A-3A)
RS232 Interface Module	Veeder-Root RS232 Interface Module Series (Figure 1A-3B)
Green Machine Processor, including controller	VST Model VST-GM-CS1-100 (Figure 1A-17)
Pressure Management Control (PMC) Software Version Number	1.04
Vapor Pressure Sensor¹ (1 per GDF)	Veeder-Root 331946-001 or 861190-201– Wired, approved for installation in the dispenser or on the vent stack (Figure 1A-5) or Veeder Root 861190-201 - Low Powered Wireless, approved for installation on the vent stack only (Figure 1A-5)
Vapor Pressure Sensor Desiccant Tube - Optional (1 per GDF)	Veeder-Root 330020-717 – Dryer Tube (Figure 1A-5)
Multiport Card	Veeder-Root 330586-018
Smart Sensor Interface Module (1 per GDF)	Veeder-Root 329356-004 (Figure 1A-7)
Universal Enclosure Kit ²	Veeder-Root 330020-716 (Figure 1A-9)

¹ Wireless sensors require additional components specified in Veeder-Root Optional Wireless Component Equipment List.

² Required for vapor pressure sensors installed on the vent line (wired or wireless).

**Liquid Condensate Trap
Equipment List**

Component	Manufacturer / Model
Riser Adapter	INCON model TSP-K2A (Figure 1A-14)
In-Line Filter	140 micron, Swagelok B-4F2-140 or SS-4F2-140, or equivalent (Figure 1A-14)
Screen	Aluminum Insect screen (18X14 mesh), or Stainless Steel Insect screen (18X18 mesh). (Figure 1A-14)
Stainless Steel Hose Clamp	Sized to secure screen to suction tube. (Figure 1A-14)
Liquid Sensor¹	Must have an audible and visual alarm (Figure 1A-14)
Liquid Condensate Trap¹	Any capacity, manufacturer, make and model (Figure 1A-14)

¹ Must meet applicable State Water Resources Control Board (SWRCB) requirements (e.g. LG-113, LG-167 and LG-169) and any local authority having jurisdiction which includes the Certified Unified Program Agency (CUPA).

**Veeder-Root
Optional Wireless Component Equipment List**

Component	Manufacturer / Model
TLS RF Console-2 Box (1 per GDF)	Veeder-Root 332242-002 (Figure 1A-9)
RF Transmitter-2¹ (1 per Veeder-Root Sensor)	Veeder-Root 332235-016 (Figure 1A-9)
RF Transmitter Battery Pack¹ (1 per Transmitter)	Veeder-Root 332425-011 (Figure 1A-9)
RF Repeater-2 (1 per GDF)	Veeder-Root 332440-030 (Figure 1A-9)
RF Receiver-2 (1 per GDF)	Veeder-Root 332440-029 (Figure 1A-9)

¹ The RF Transmitter-2 and RF Transmitter Battery Pack for the wireless vapor valve and wireless pressure sensor must be installed in the Universal Enclosure Kit.

**Veeder-Root
Optional Maintenance Tracker Security Feature Equipment List**

Component	Manufacturer/Model
Maintenance Tracker Kit	Veeder-Root 330020-546 Consists of the following components: <ul style="list-style-type: none">• Technician Key (Figure 1A-15)• Interface Module RS232/485 Dual Module with DB9 Converter or Single Port Module with DB 25 converter (Figure 1A-16)• Manual

Figure 1A-1
VST Model VST-EVR- NB Nozzle

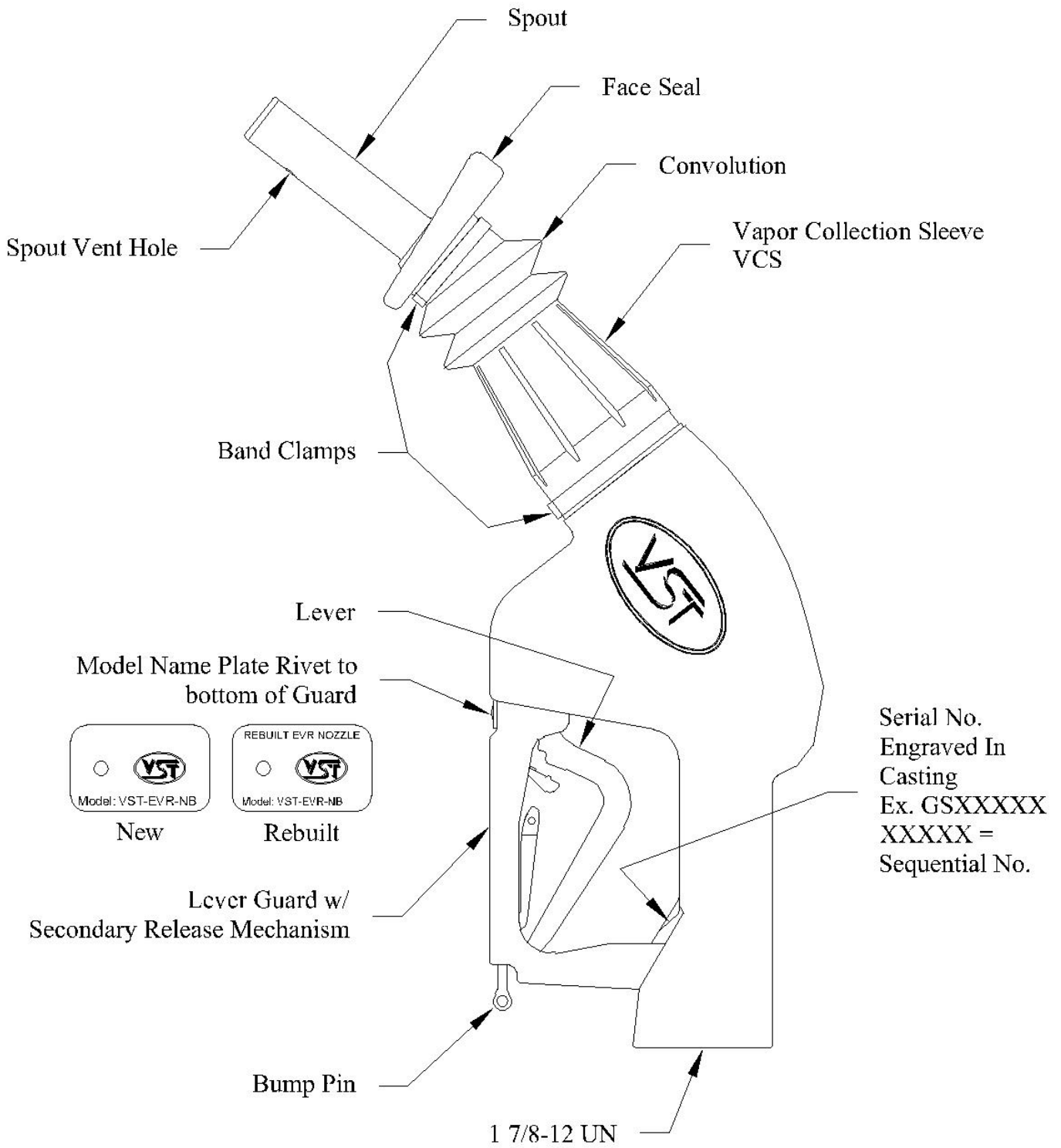


Figure 1A-1 (continued)
VST Model VST-EVR- NB (G2) Nozzle

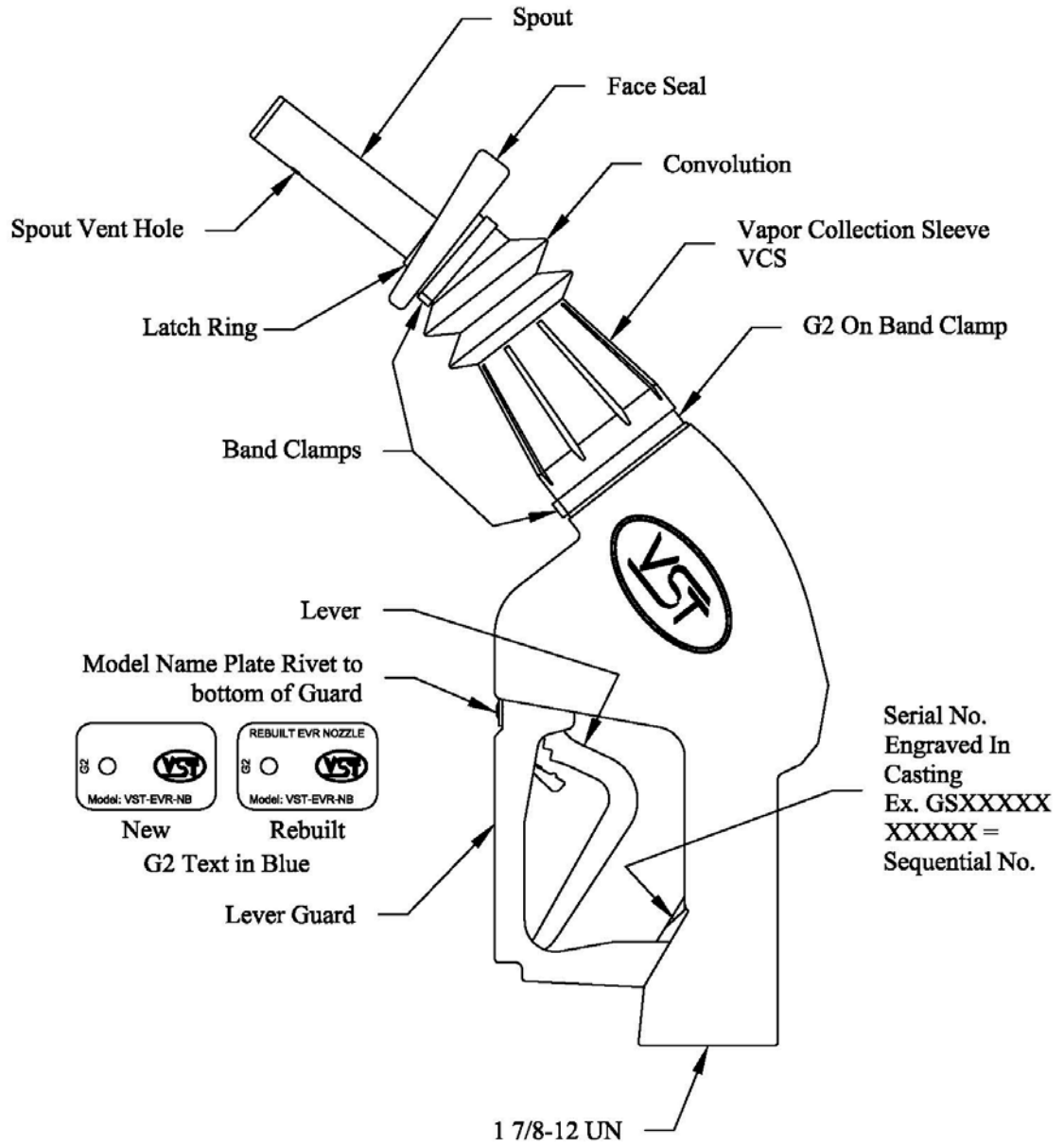


Figure 1A-1 (continued)
EMCO Model A4005EVR Nozzle

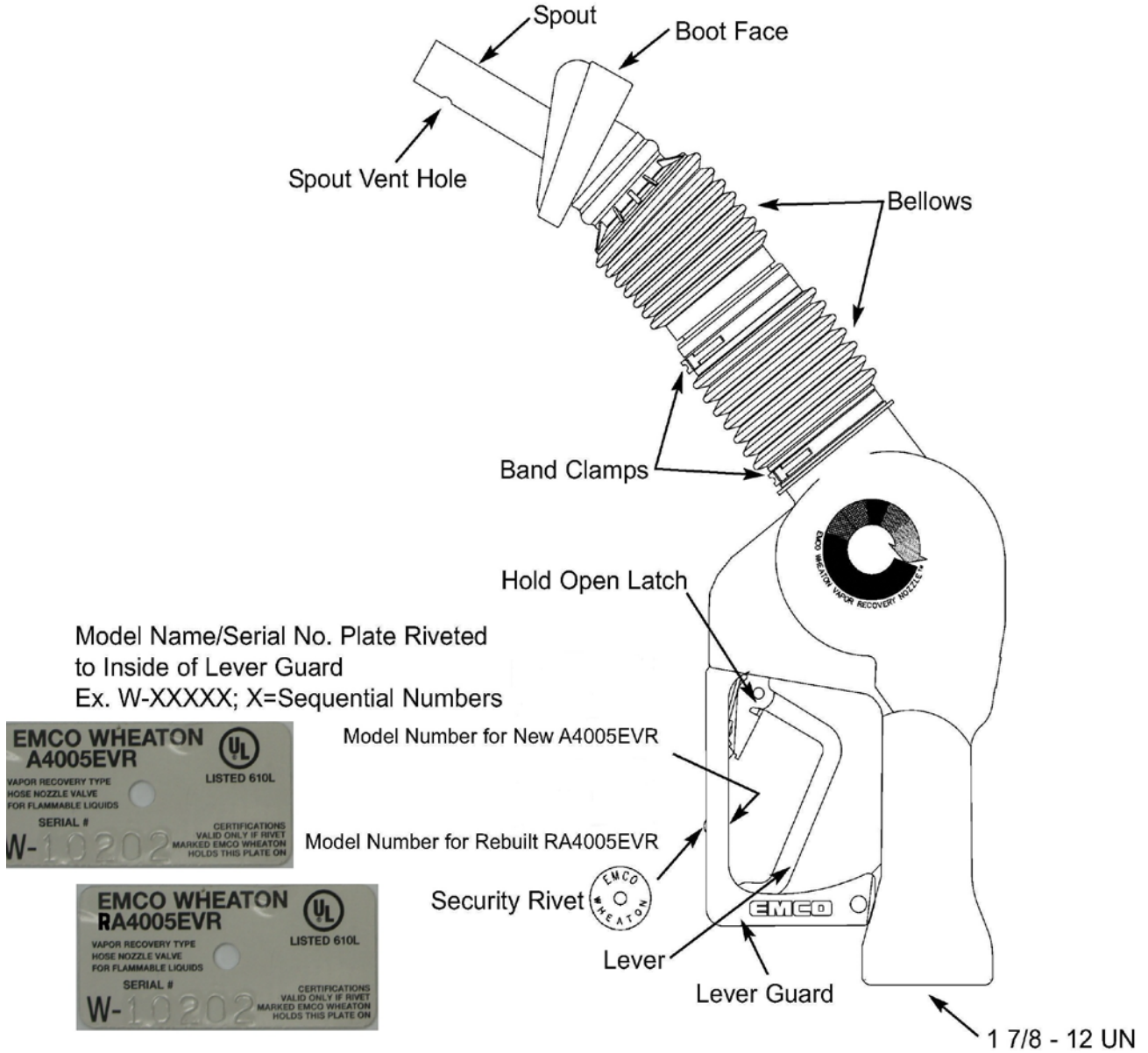
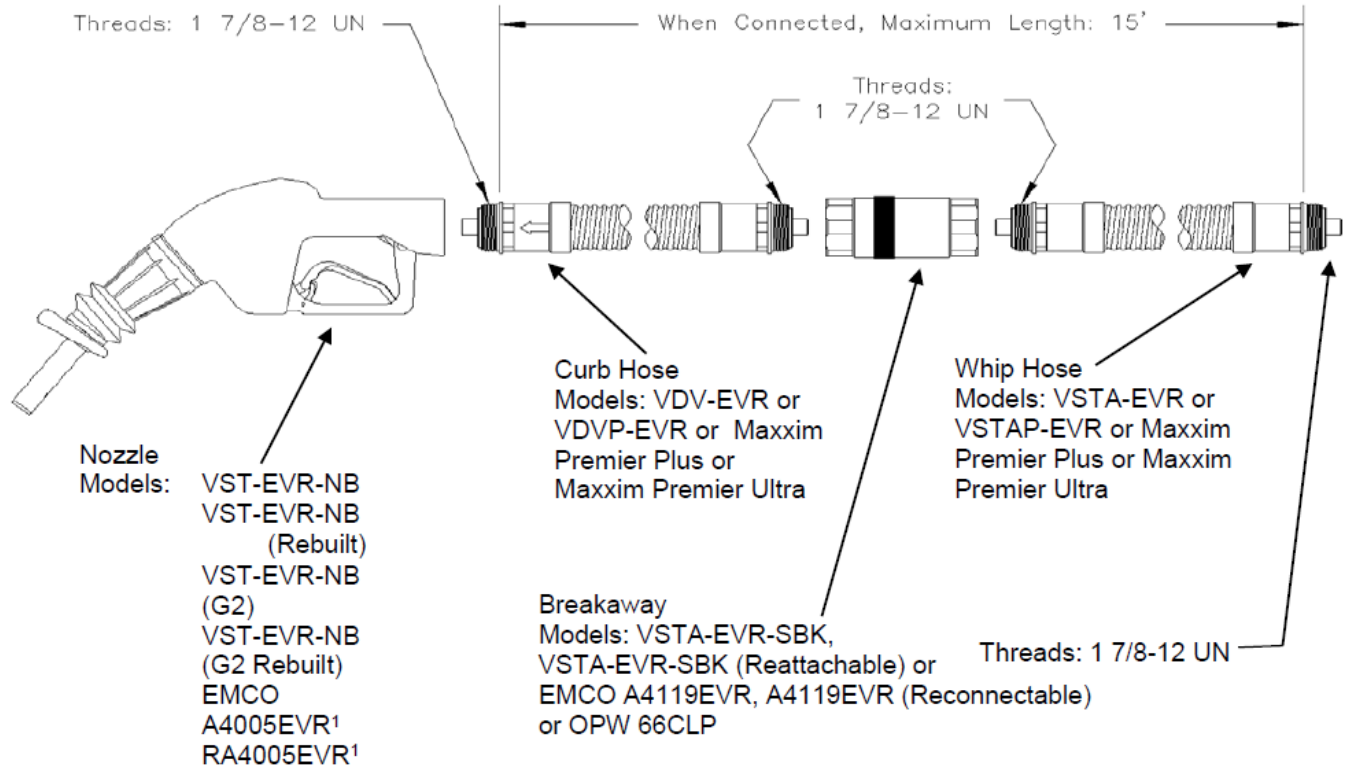


Figure 1A-2
Hanging Hardware
(Nozzle, Coaxial Curb Hose, Breakaway, and Coaxial Whip Hose)



¹ Alternate component for use with the Veeder-Root Vapor Polisher or Hirt Thermal Oxidizer processors or Clean Air Separator

Figure 1A-2 (continued)
VST Hanging Hardware
(Nozzles)



Figure 1A-2 (continued)
VST Hanging Hardware
(Breakaway)



Figure 1A-2 (continued)
VST Hanging Hardware
(Coaxial Curb Hose and Coaxial Whip Hose)



Figure 1-A2 (Continued)
VST Hanging Hardware
(Coaxial Curb Hose and Coaxial Whip Hose)

Coaxial Curb Hose Model VDVP-EVR Series
Serial Number Location



Curb Hose Ferrule Sleeve Identification



Coaxial Whip Hose Model VSTAP-EVR Series



Figure 1A-2 (continue)
EMCO Hanging Hardware
(Nozzle and SafeBreak Valve)

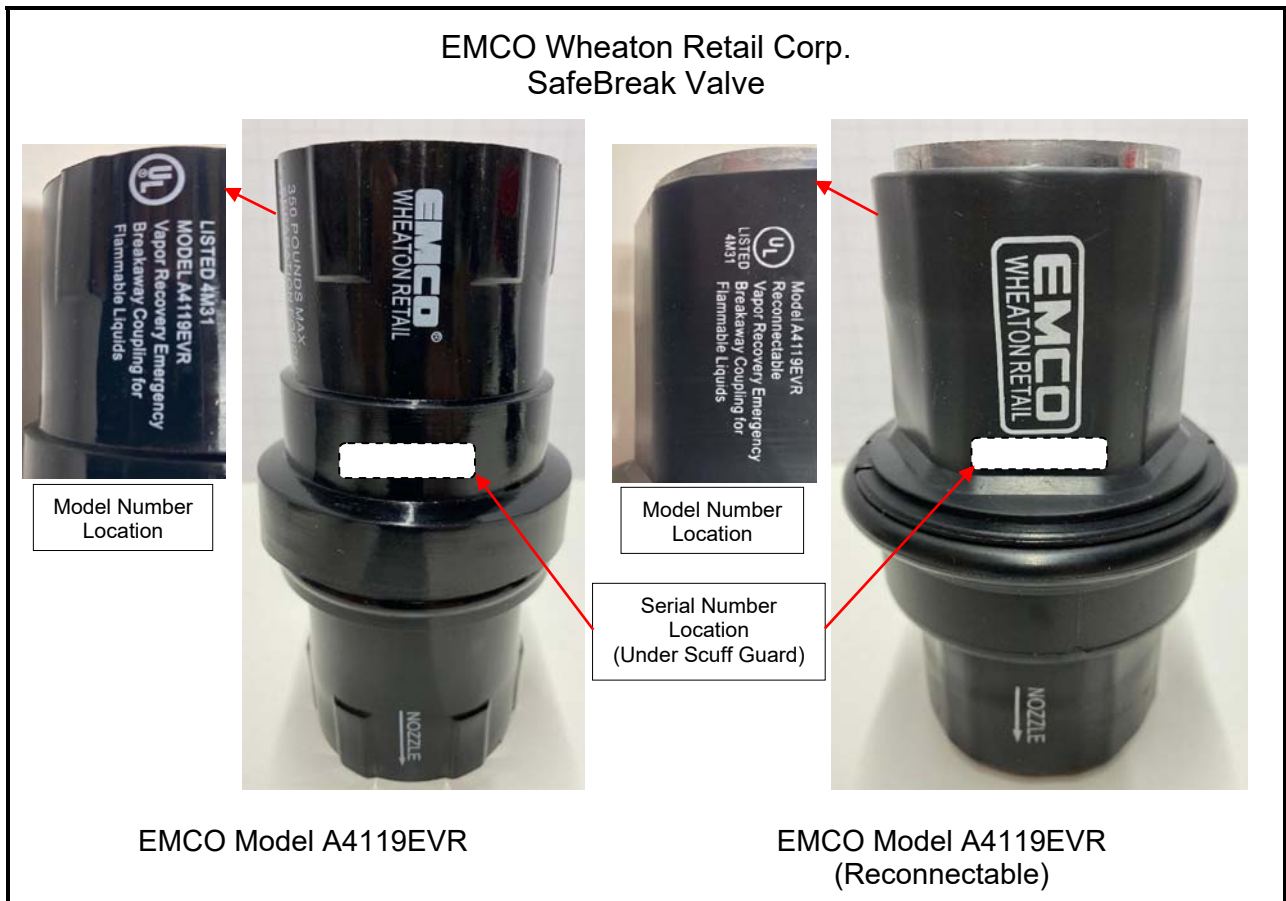


Figure 1A-2 (continued)
OPW Hanging Hardware
(Breakaway)



Figure 1A-2 (continued)
ContiTech USA, Inc. Hanging Hardware
(Curb and Whip Hoses)

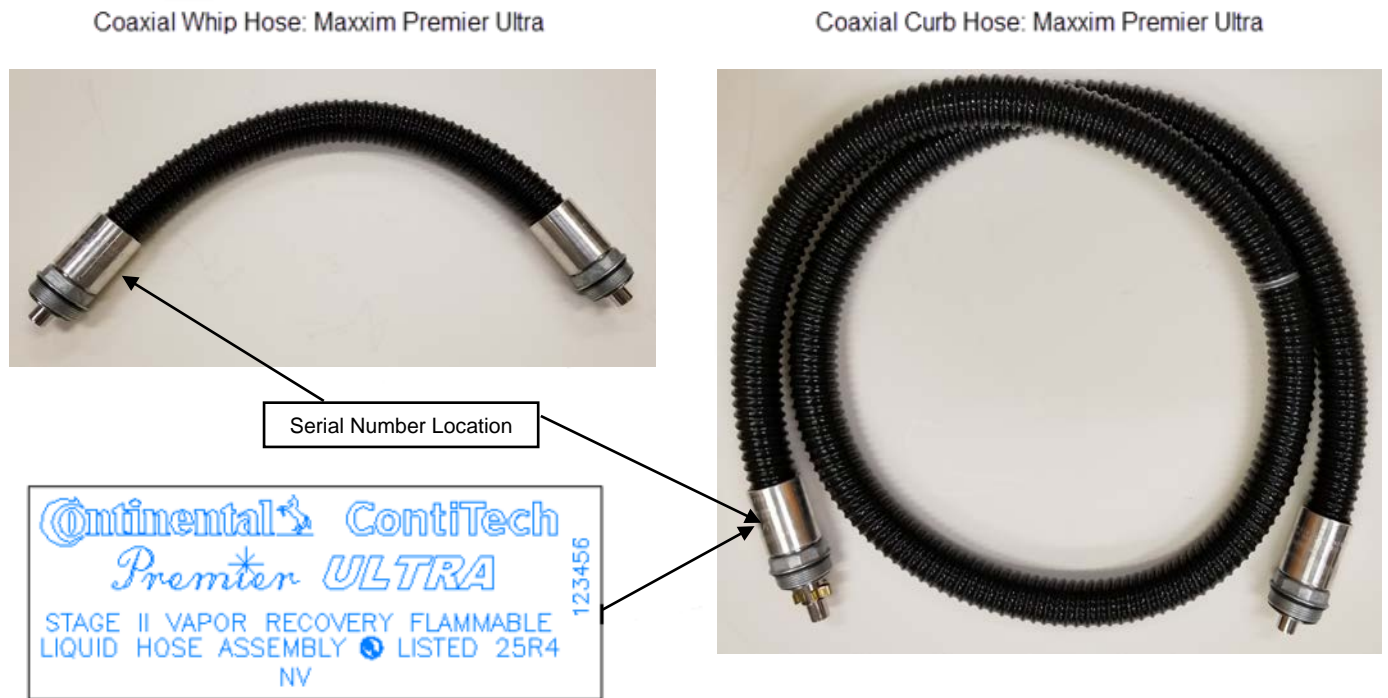
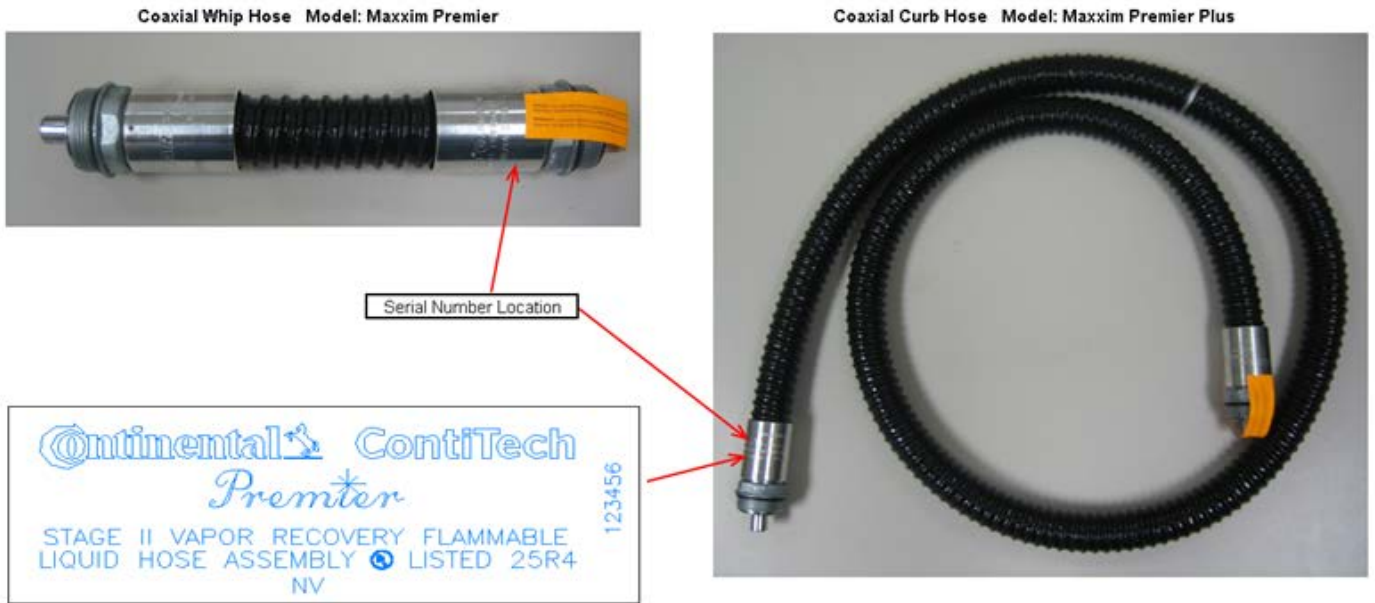


Figure 1A-3A
Veeder-Root TLS Console



Figure 1A-3B
Veeder-Root RS232 Interface Module Series

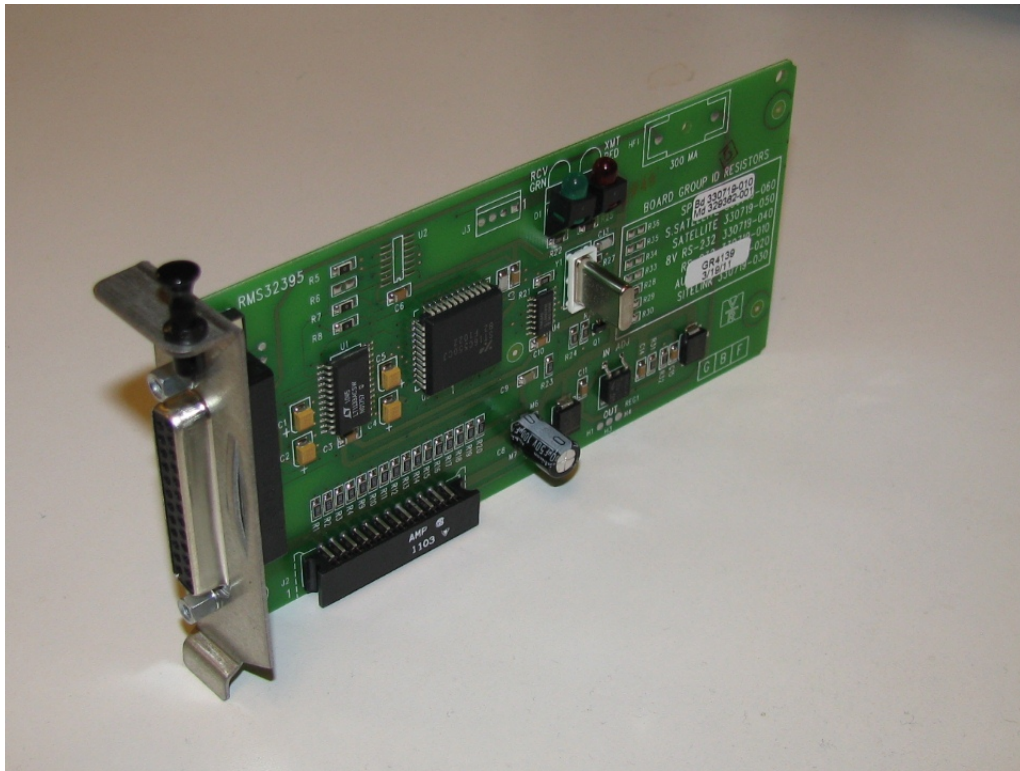
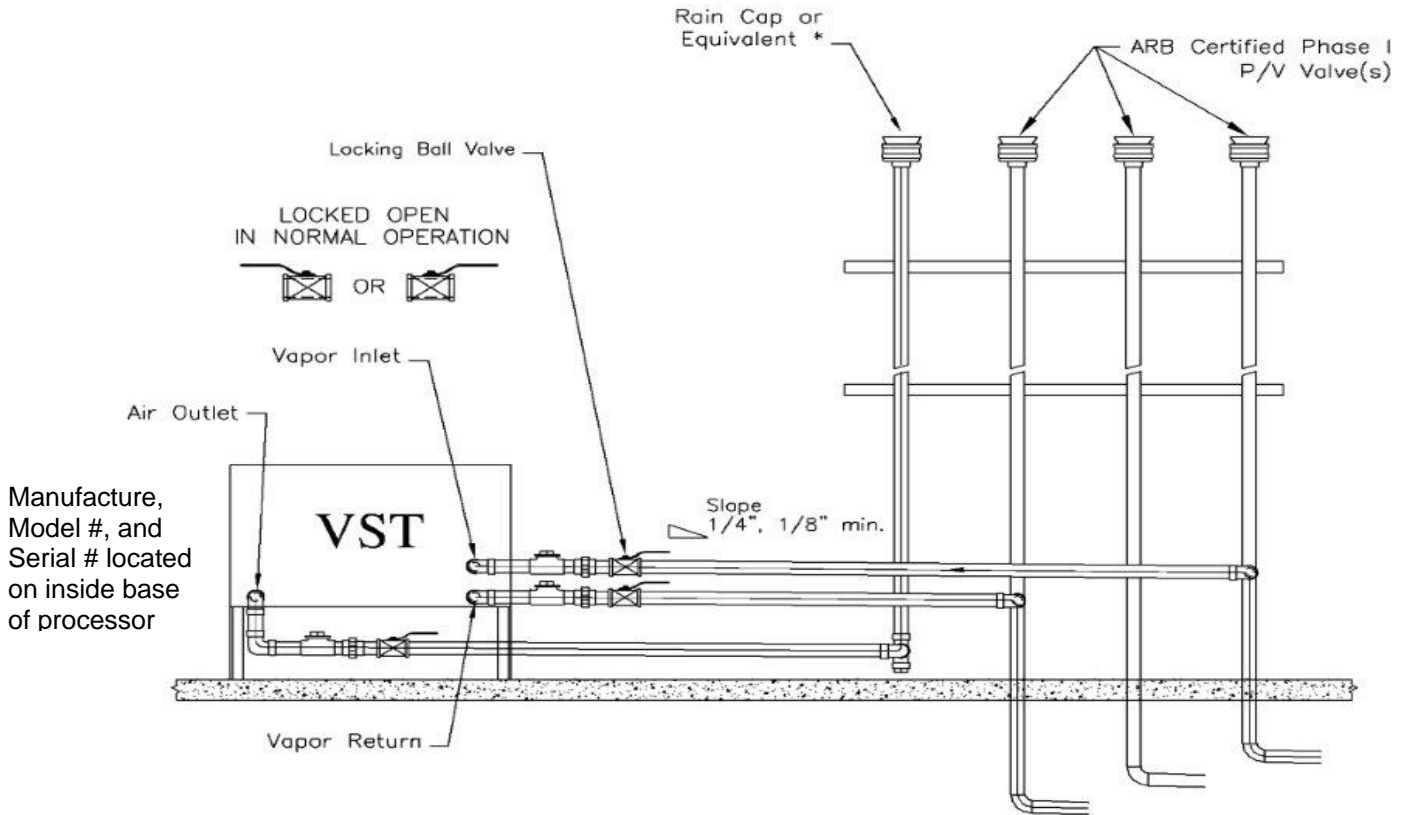


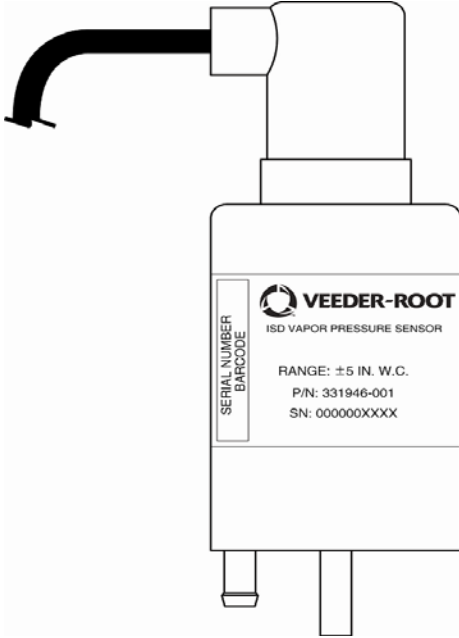
Figure 1A-4
Typical VST-ECS-CS3 Membrane Processor



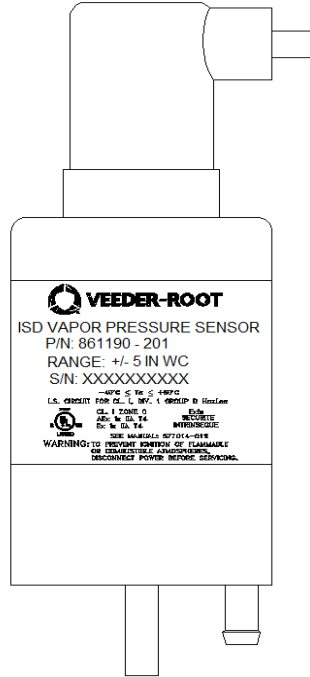
CAUTION: THE HANDLES ON THE LOCKING BALL VALVES MUST NOT BE REMOVED

* If a P/V valve is used, the internal components MUST be removed to allow open venting to the atmosphere.

Figure 1A-5
Veeder-Root
Vapor Pressure Sensors



Model # 331946-001
Vapor Pressure Sensor



Model # 861190-201
Low Powered Vapor Pressure Sensor



Model # 330020-717
Dryer Tube

Figure 1A-6
Typical Veeder-Root Vapor Polisher

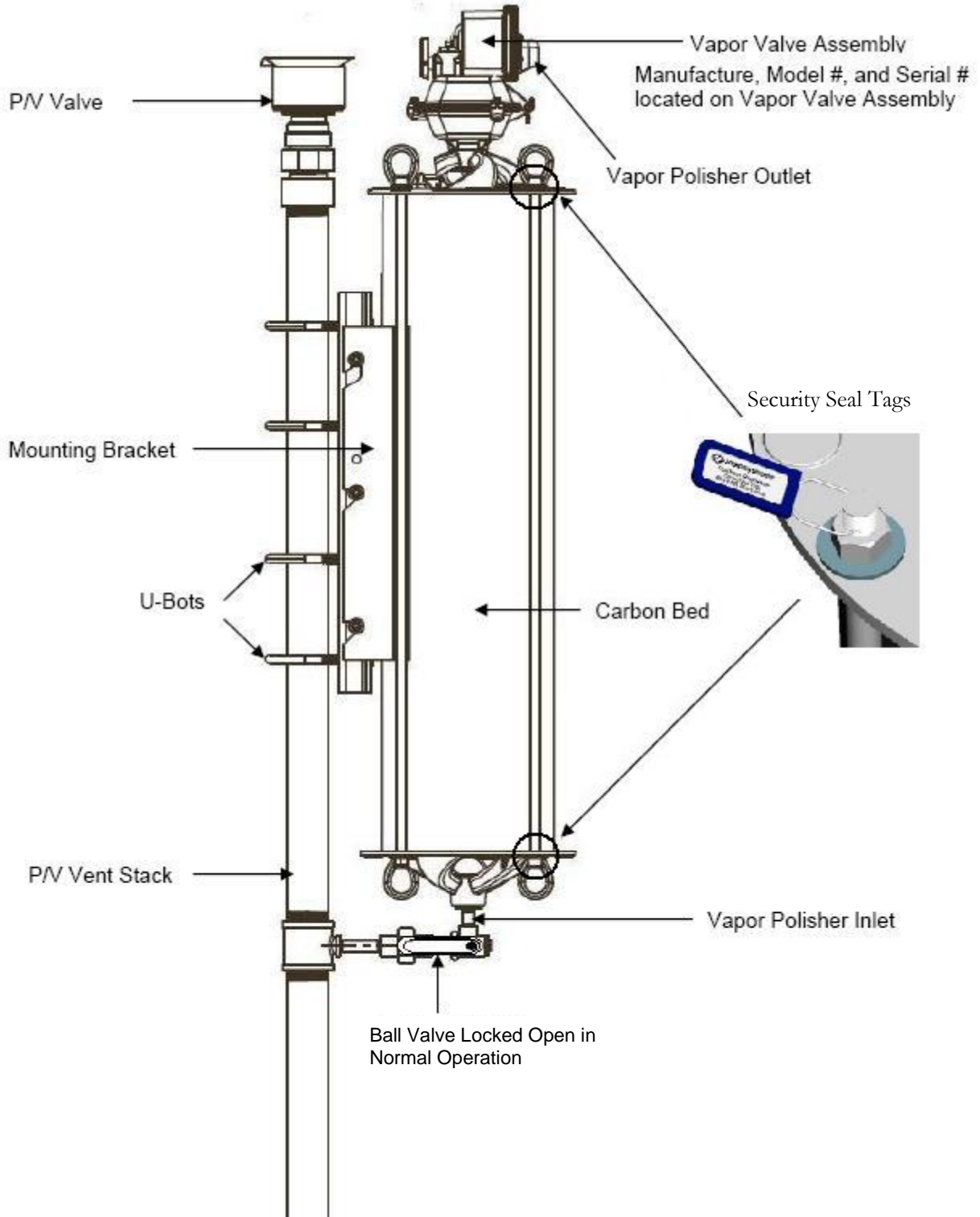
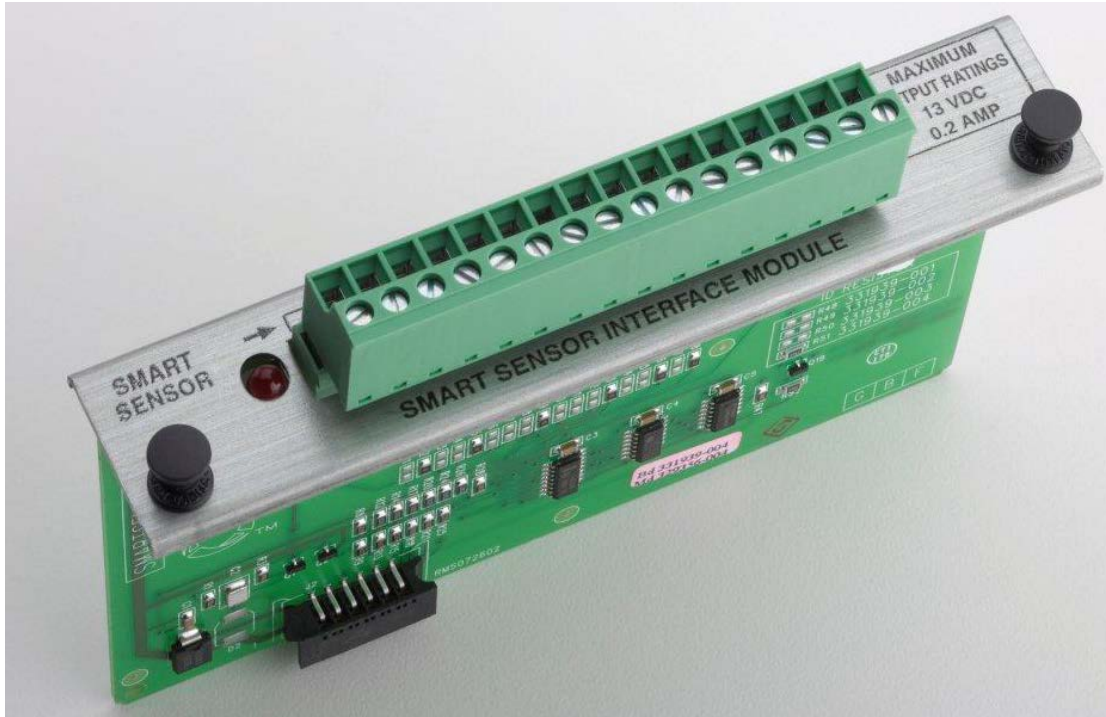


Figure 1A-7
Veeder-Root 329356-004, 332250-001
Smart Sensor Interface Module



**Figure 1A-8
Veeder-Root Optional Wireless Component Equipment List**



Wireless TLS RF Console



Wireless Receiver



Wireless Repeater



Wireless Transmitter

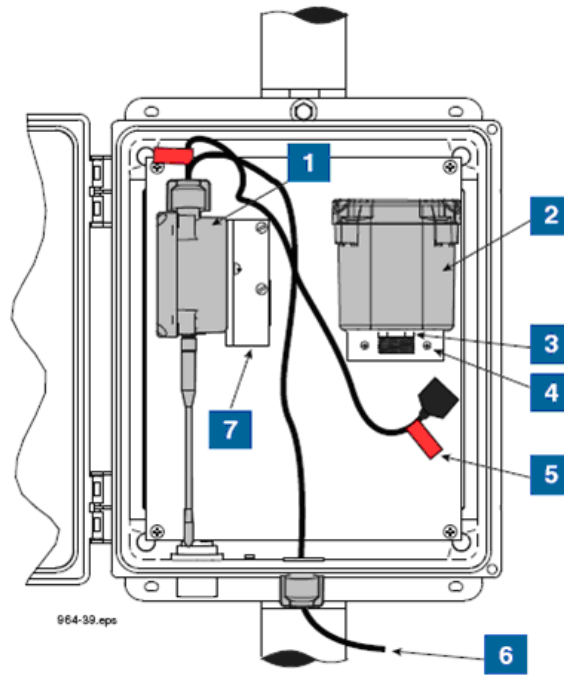
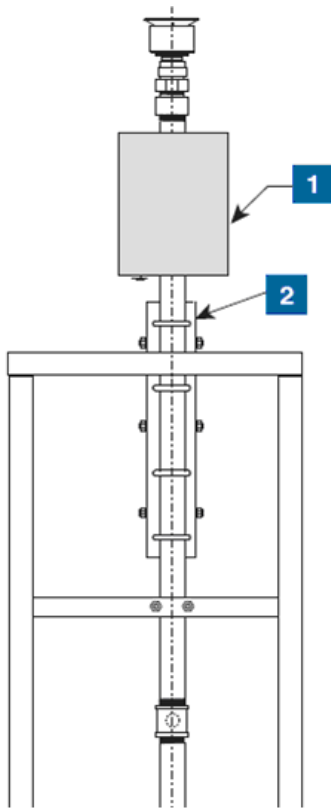
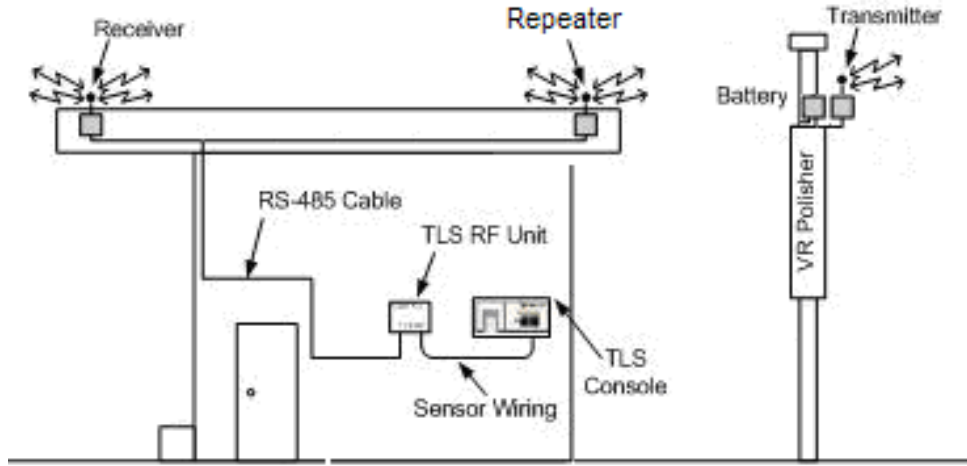


Wireless Battery Pack



Wireless Enclosure

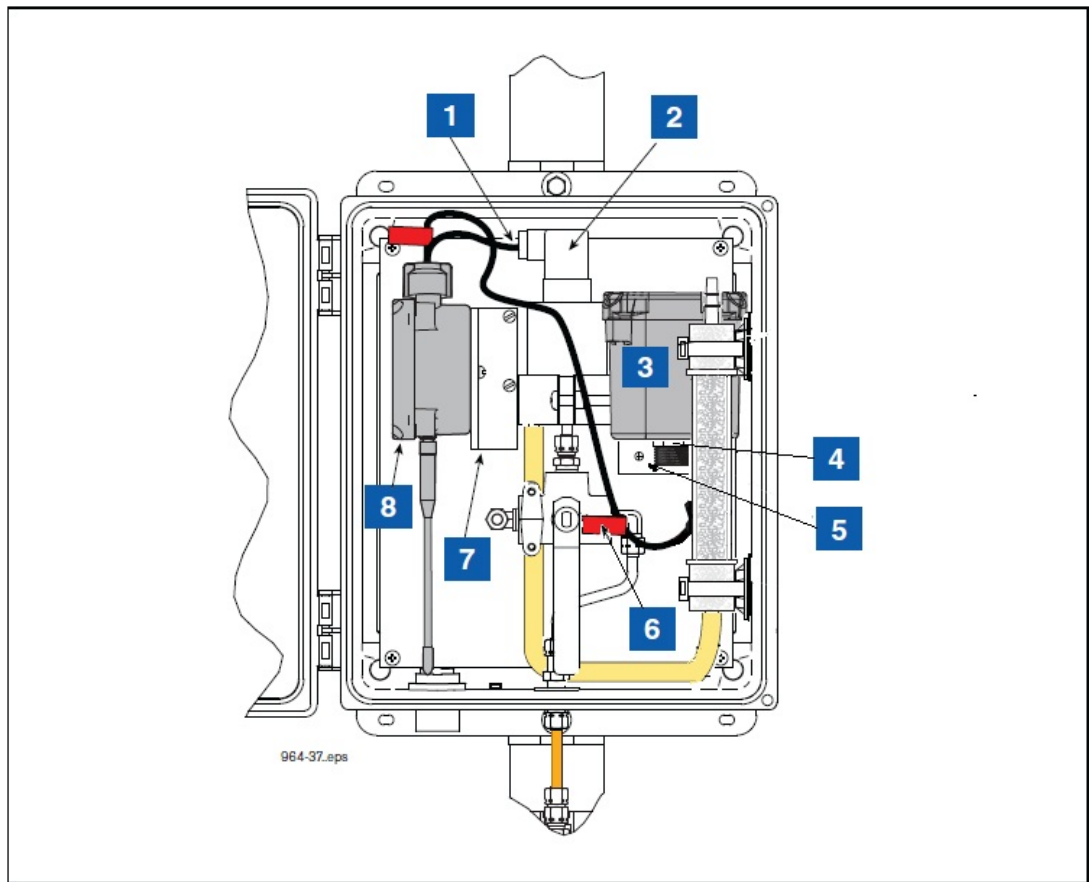
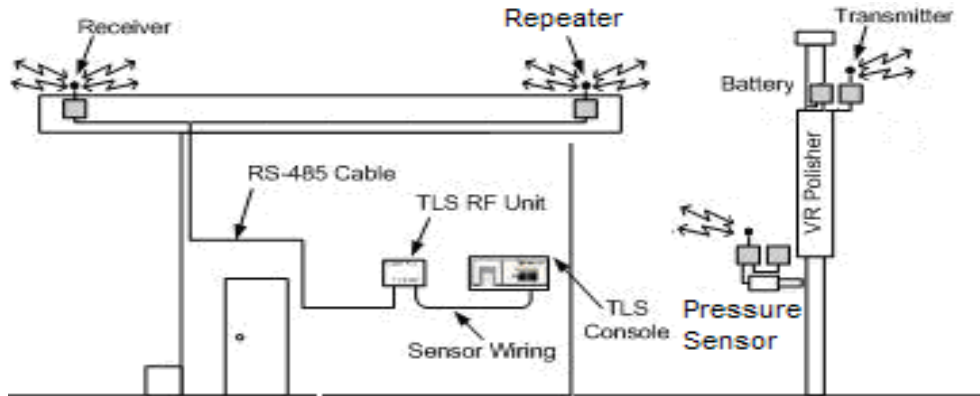
Figure 1A-8 (continued)
Typical Wireless Configuration for Veeder-Root Vapor Polisher



- 1. CCVP transmitter/battery enclosure on vent stack
- 2. CCVP support bracket

- 1. Transmitter
- 2. Battery pack
- 3. Thin hex nut
- 4. Attach Battery L bracket using two #10 taptite screws
- 5. Battery caution label attached to battery cable (2 places)
- 6. Cable from CCVP
- 7. Attached Transmitter L bracket using two #10 taptite screws

Figure 1A-8 (continued)
Typical Wireless Configuration for Veeder-Root Vapor Pressure Sensor



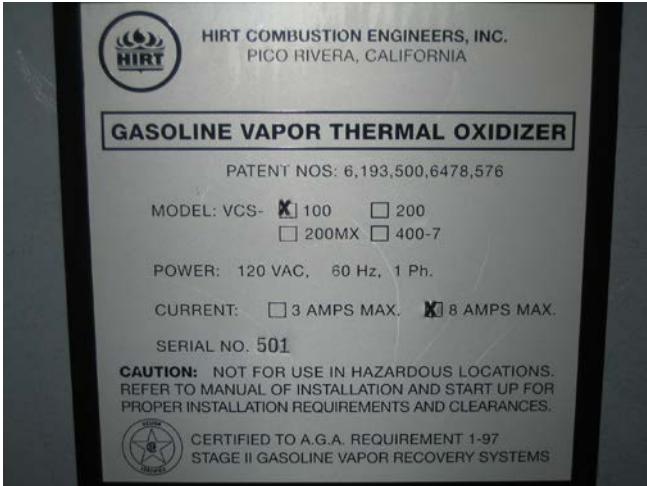
964-37.eps

Example VRPS transmitter/battery pack installation in vent stack enclosure

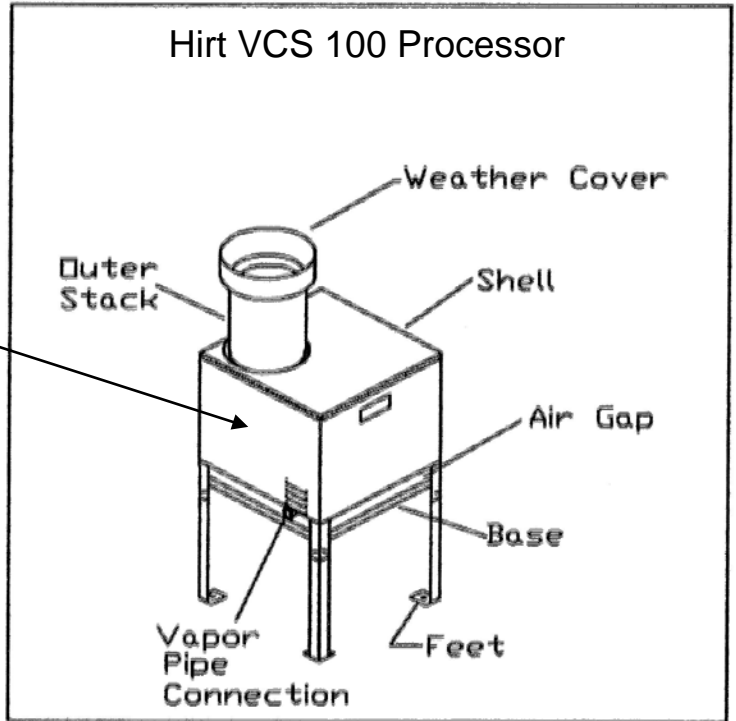
LEGEND FOR NUMBERED BOXES	
1. VRPS cable	5. Attach Battery L bracket using two #10 taptite screws
2. VRPS	6. Battery caution label attached to battery cable (2 places)
3. Battery pack	7. Attach Transmitter L bracket using two #10 taptite screws
4. Thin hex nut	8. Transmitter

Figure 1A-9
Hirt VCS 100 Thermal Oxidizer and Indicator Panel

VCS 100 Identification Plate



Hirt VCS 100 Processor



Indicator Panel Face

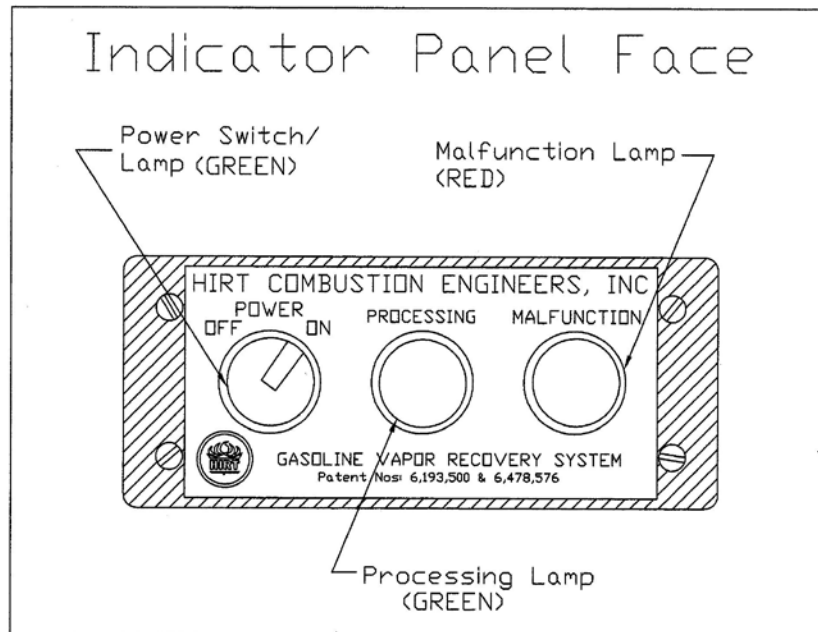


Figure 1A-9 (continued)
Typical Hirt VCS100 Thermal Oxidizer Processor

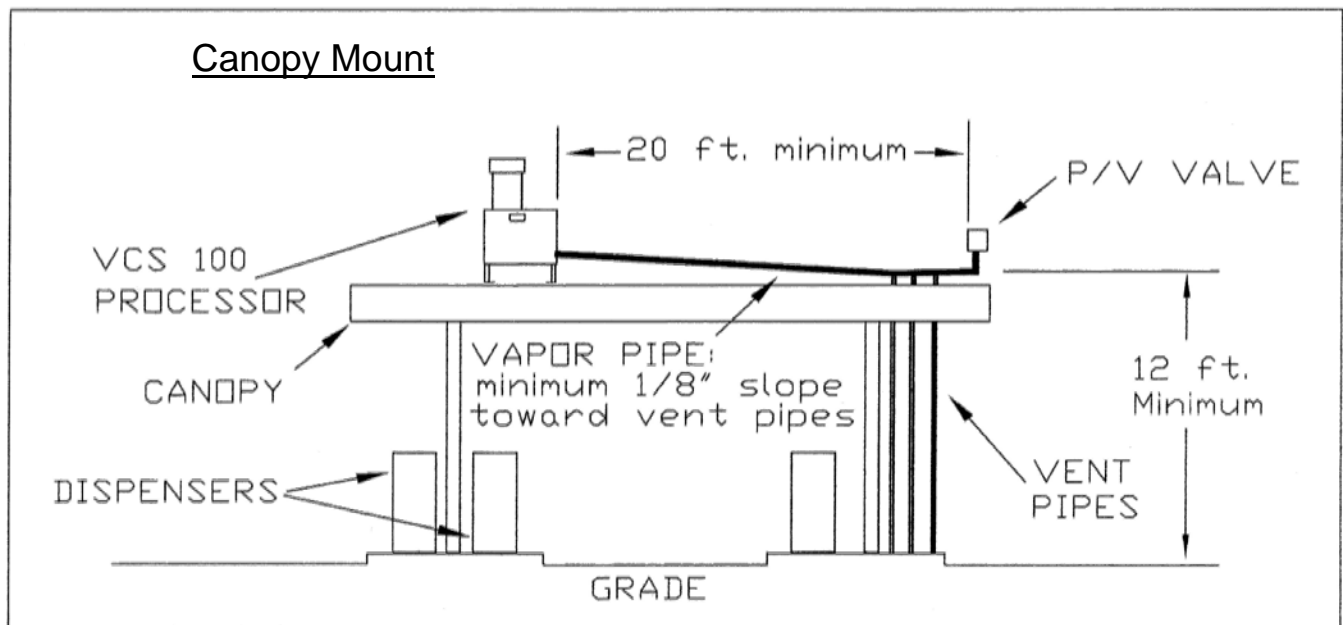
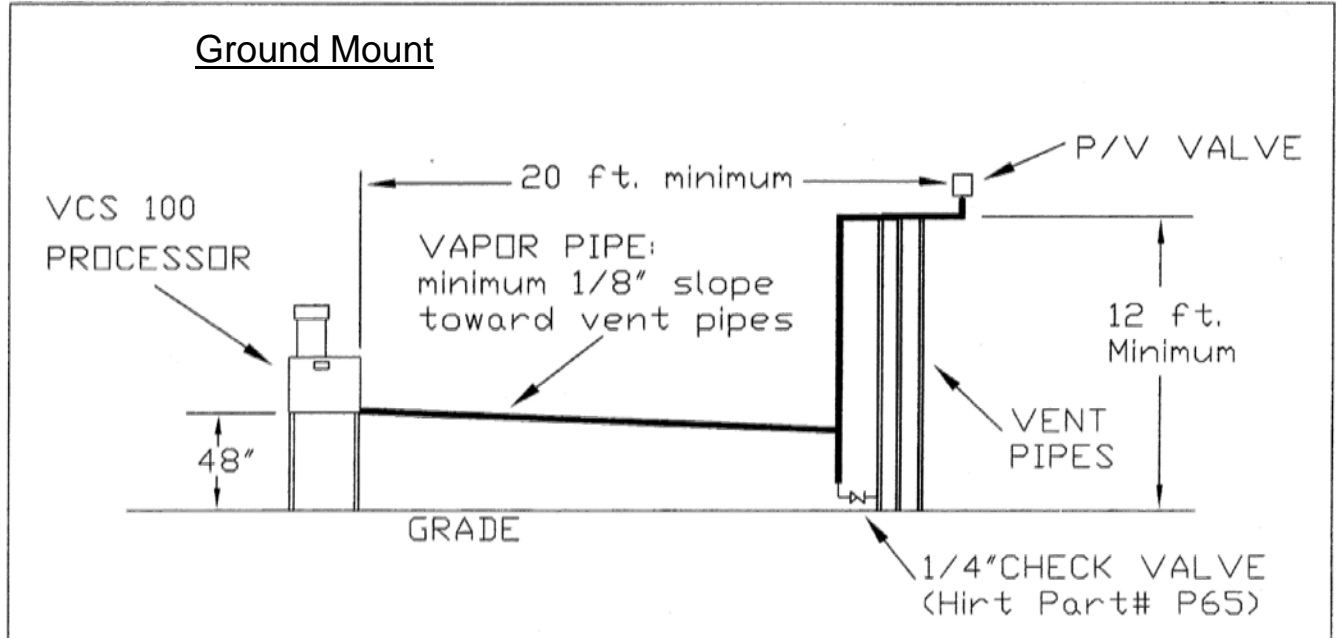


Figure 1A-10
Healy Model 9961 Clean Air Separator

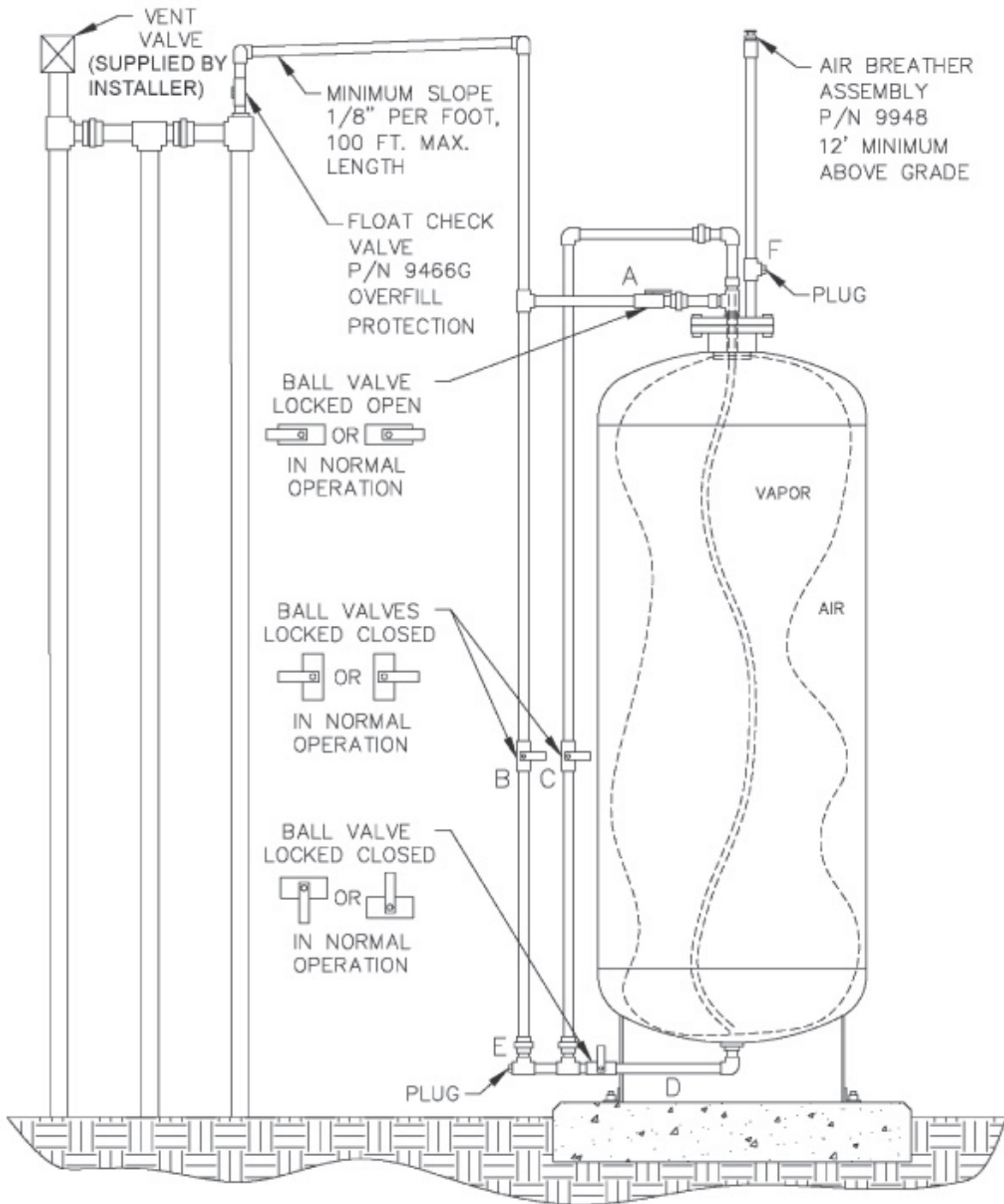


Figure 1A-11
Healy Model 9961 Clean Air Separator



Figure 1A-12
Healy Model 9961H Clean Air Separator

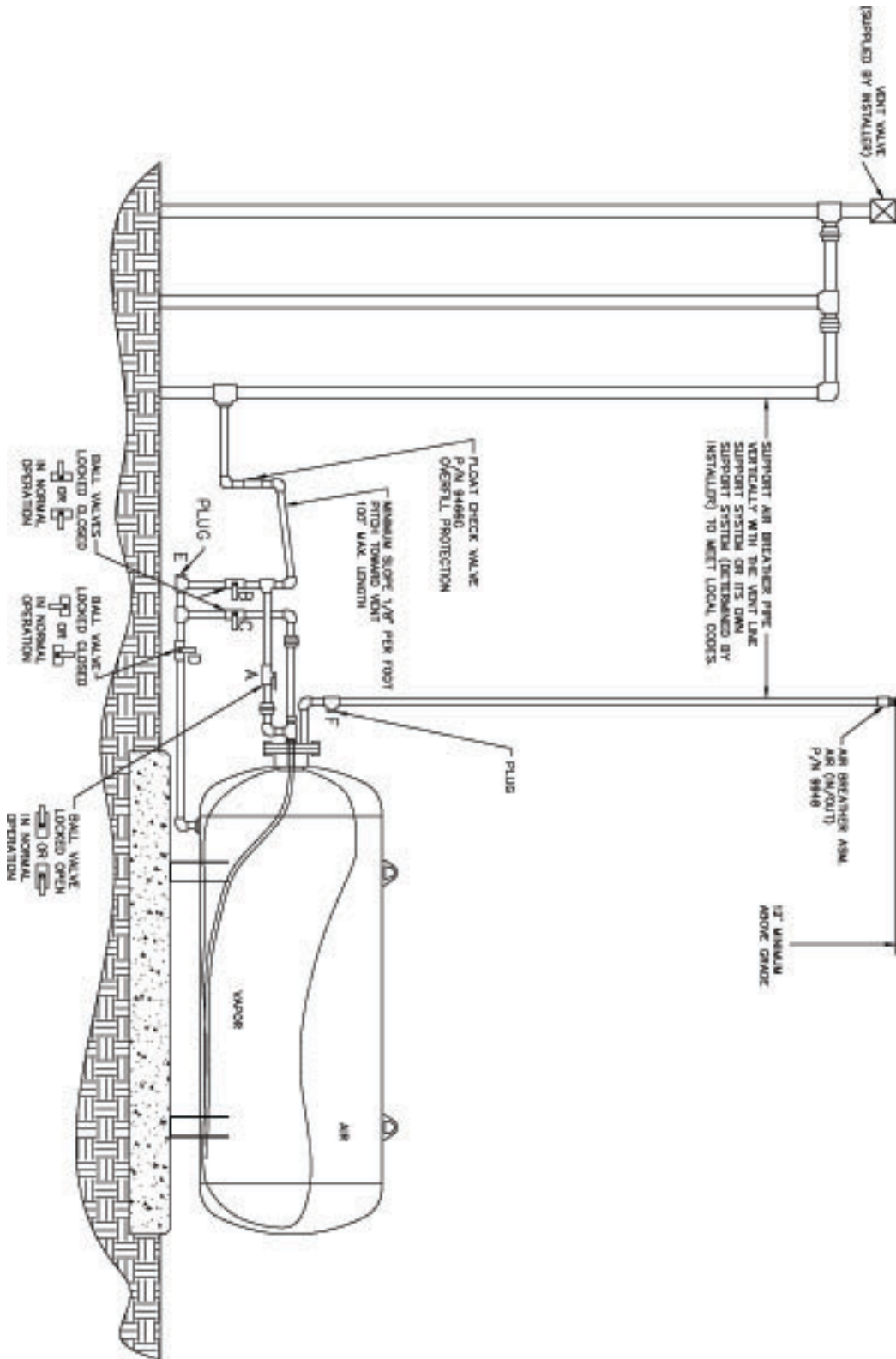


Figure 1A-13
Healy Model 9961H Clean Air Separator

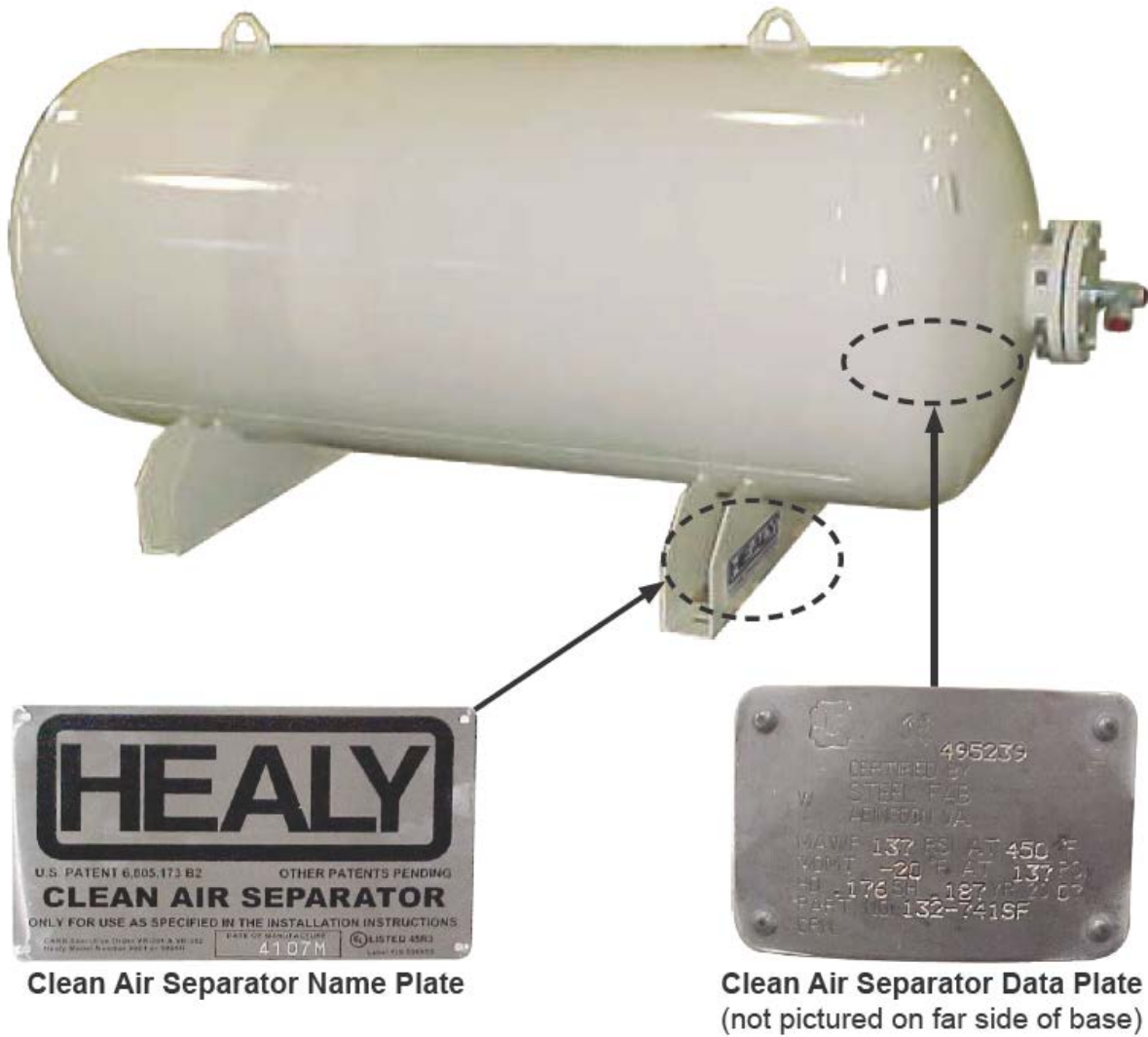


Figure 1A-14
Typical Liquid Condensate Trap Installed Below the Transition Sump

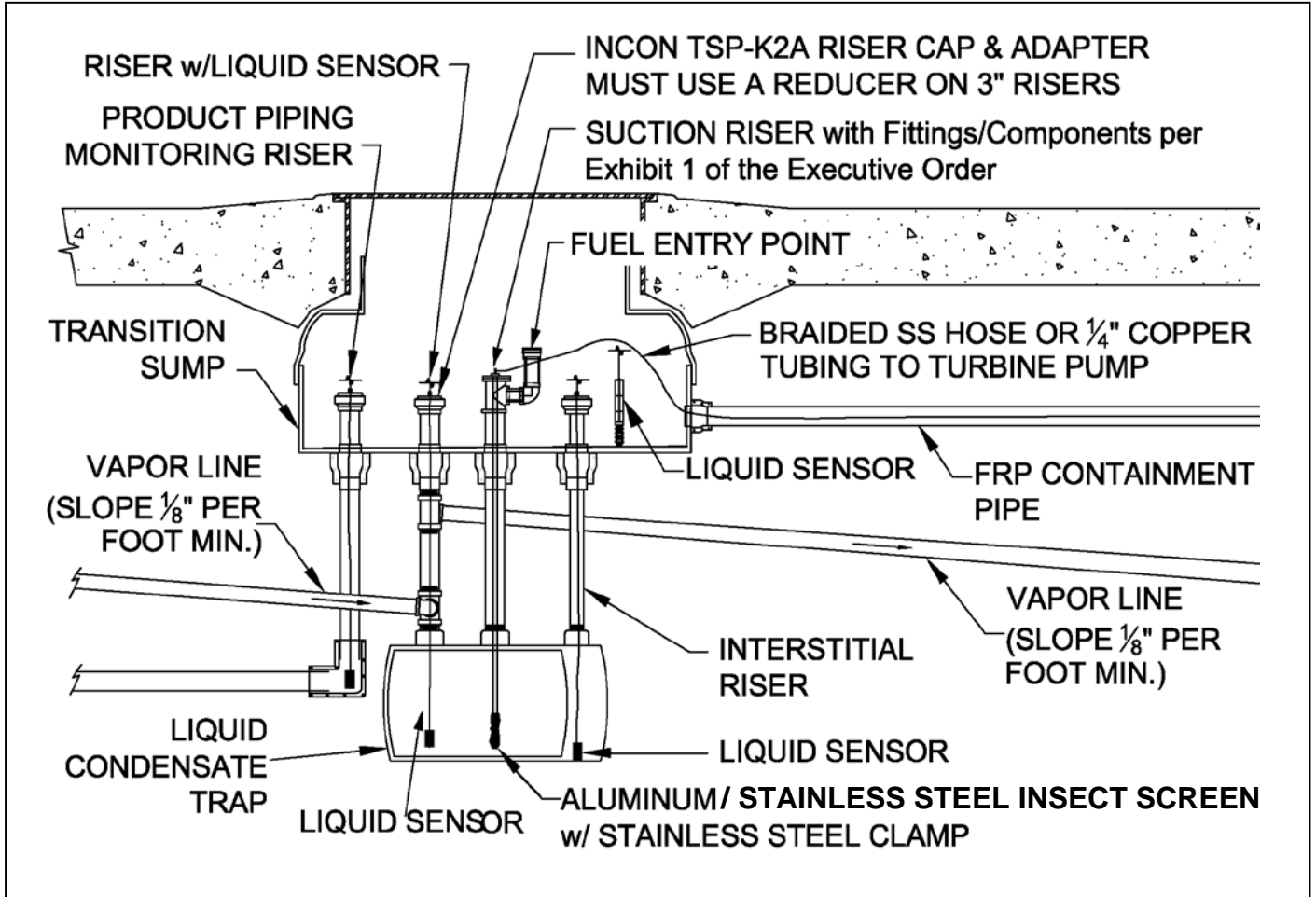


Figure 1A-14 (continued)
Typical Liquid Condensate Trap Installed Inside the Transition Sump

Note: A Liquid Condensate Trap installed inside a liquid AND vapor tight transition sump that is monitored with a liquid sensor can be single walled (if installed before July 1, 2004).

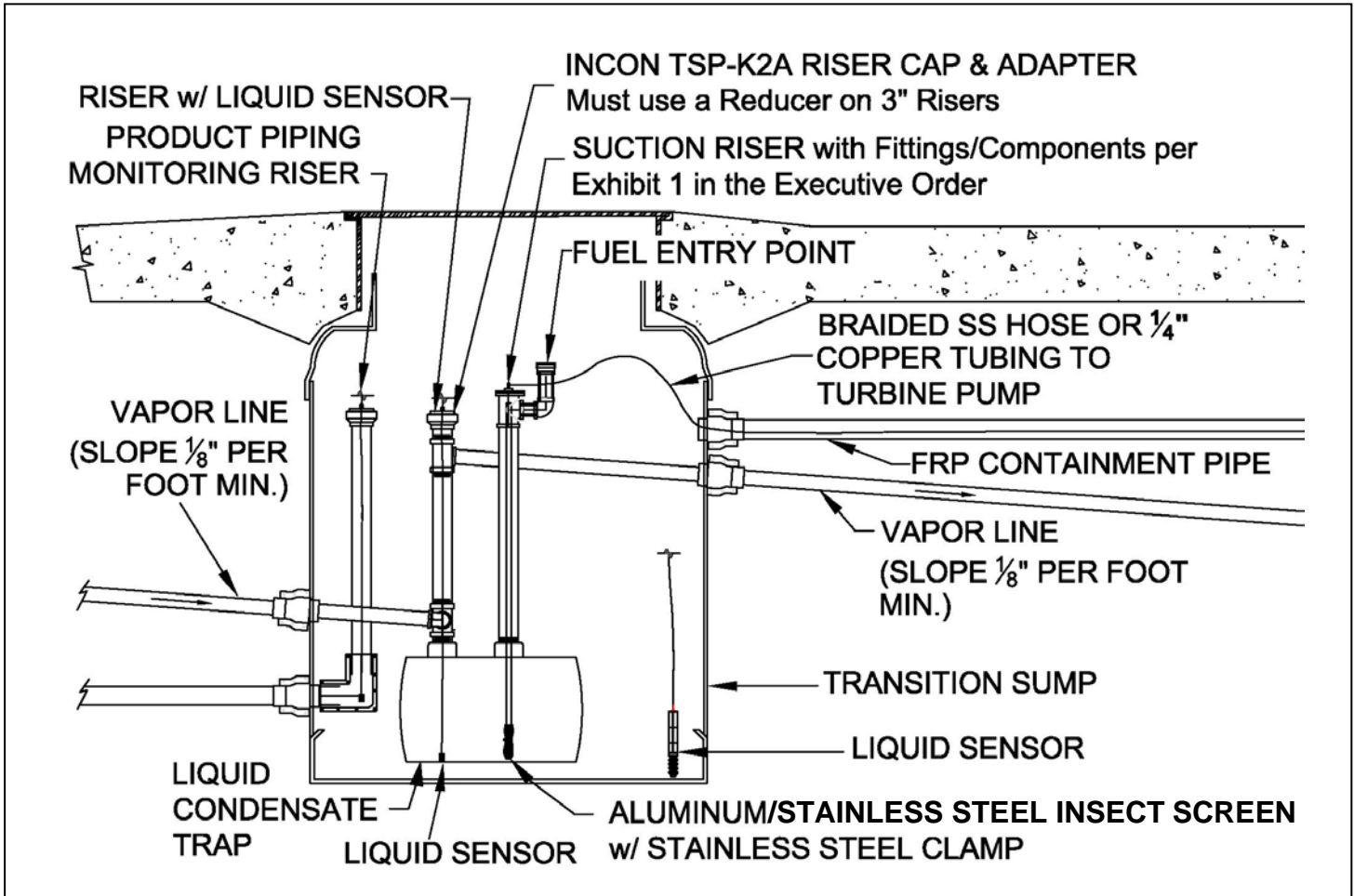


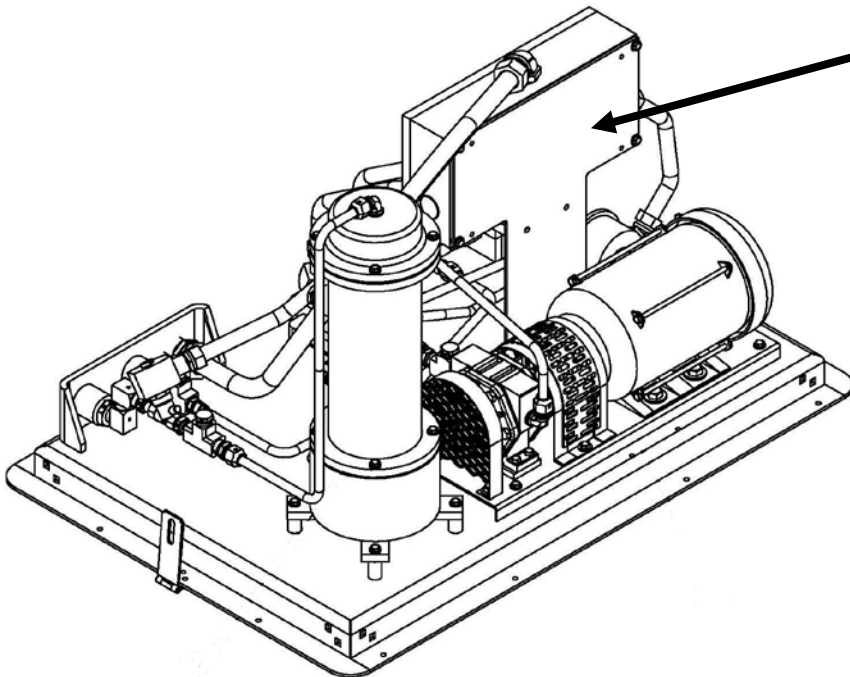
Figure 1A-15
Veeder-Root
Maintenance Tracker Technician Key



Figure 1A-16
Veeder-Root
RS232 Interface Modules
Required for Maintenance Tracker

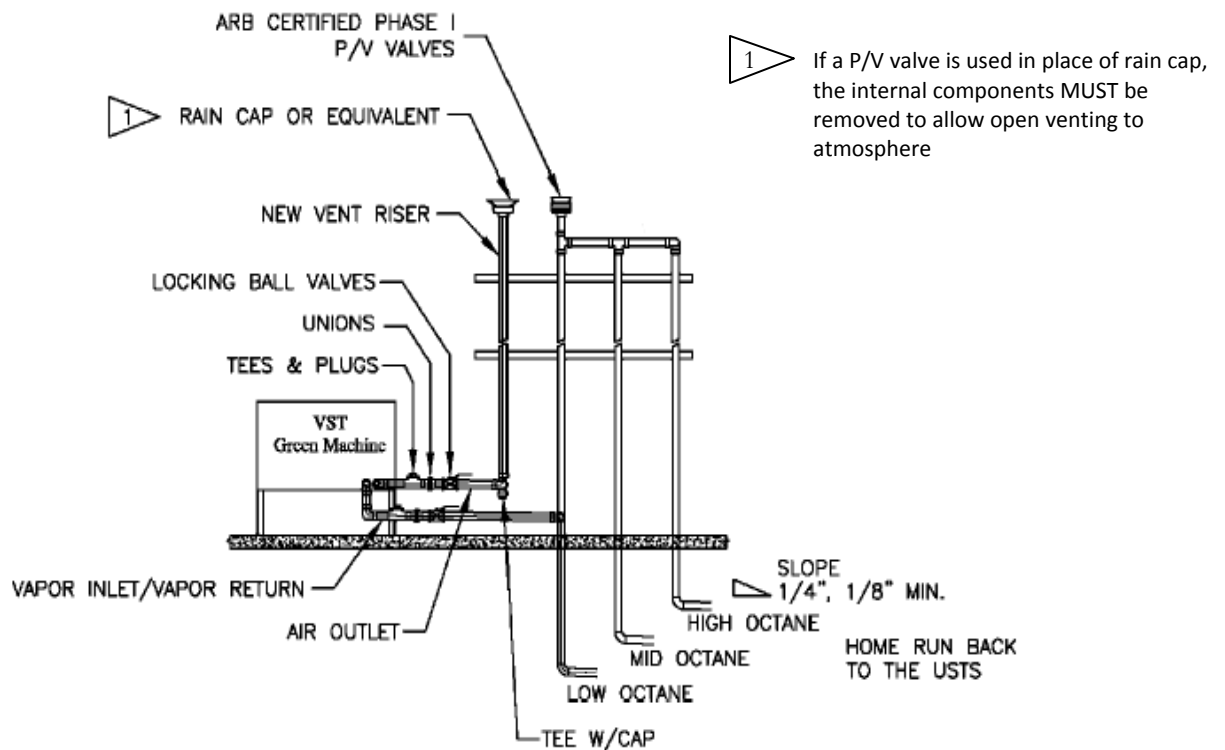


Figure 1A-17
VST Green Machine Processor

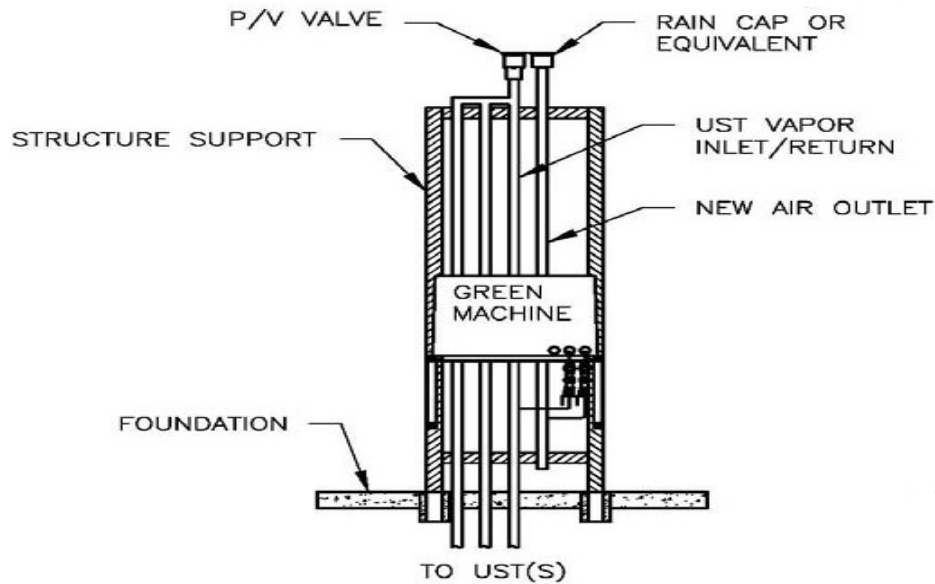


Label with serial number is located inside the Green Machine housing on the electrical junction box.

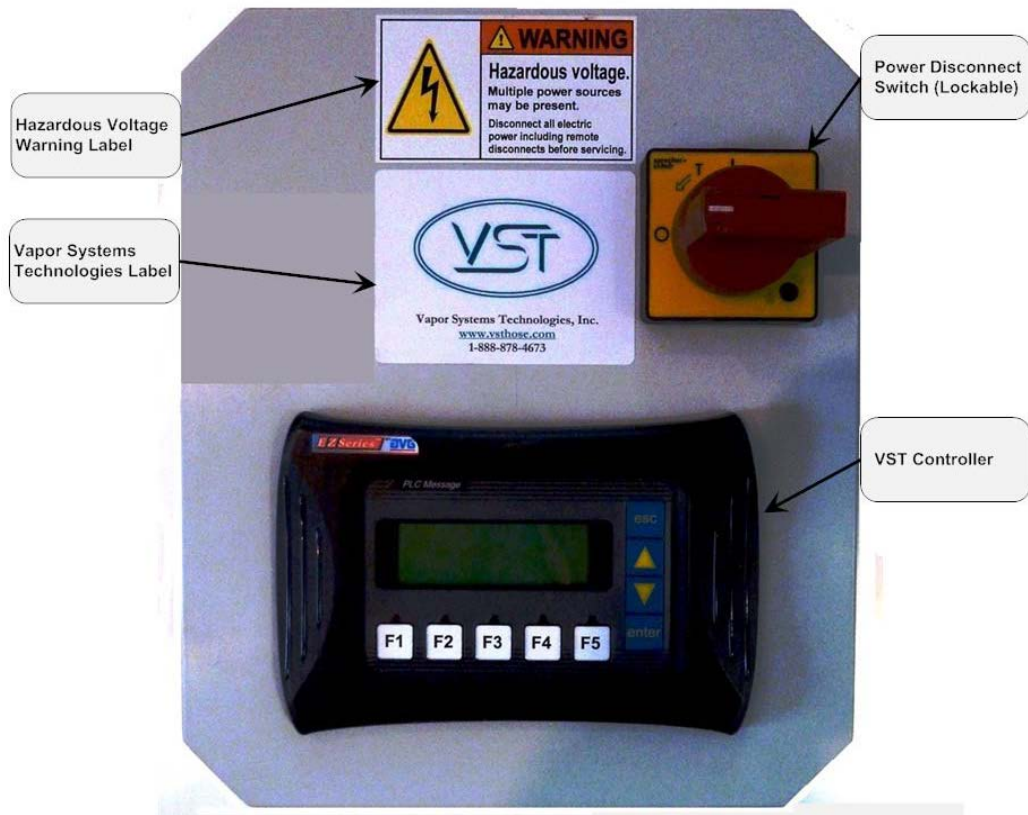
Figure 1A-17 continued
VST Green Machine, Typical Ground Mounted Configuration



VST Green Machine, Typical Vent Mounted Configuration



**Figure 1A-17 Continued
VST Green Machine Control Panel**



VST Green Machine Port Combiner

