## Hanging Hardware Equipment List

<table>
<thead>
<tr>
<th>Component</th>
<th>Manufacturer / Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle</td>
<td>VST Model VST-EVR-NB, VST-EVR-NB-R (Rebuilt) Or EMCO Models A4005EVR, RA4005EVR (Rebuilt)² (Figure 1A-1)</td>
</tr>
<tr>
<td>Coaxial Curb Hose</td>
<td>VST Model VDV-EVR Series Or Goodyear Maxxim Premier Plus (Figure 1A-2)</td>
</tr>
<tr>
<td>Coaxial Whip Hose</td>
<td>VST Model VSTA-EVR Series Or Goodyear Maxxim Premier Plus (Figure 1A-2)</td>
</tr>
<tr>
<td>Breakaway Coupling</td>
<td>VST Model VSTA-EVR-SBK Or EMCO Model A4119EVR² (Figure 1A-2)</td>
</tr>
</tbody>
</table>

1 The local air district may require a permit application when changing between alternate components.
2 Alternate component for use with the Veeder-Root Vapor Polisher.
**ONLY ONE OF THE FOLLOWING TWO (2) PROCESSOR GROUPS IS REQUIRED**

### VST Membrane
Processor Equipment List #1

<table>
<thead>
<tr>
<th>Component</th>
<th>Manufacturer / Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veeder-Root TLS-350 Series,</td>
<td>Veeder-Root 8482XX-XXX, 8470XX-XXX, Promax 847097-XXX, EMC PAO2620X000X</td>
</tr>
<tr>
<td>including but not limited to TLS-</td>
<td>X = Any digit</td>
</tr>
<tr>
<td>350, TLS-350 Plus, TLS-350R,</td>
<td></td>
</tr>
<tr>
<td>Red Jacket ProMax, Gilbarco</td>
<td></td>
</tr>
<tr>
<td>EMC consoles</td>
<td></td>
</tr>
<tr>
<td>RS232 Interface Module</td>
<td>Veeder-Root RS232 Interface Module Series (Figure 1A-3)</td>
</tr>
<tr>
<td>VST Membrane Processor</td>
<td>VST Model VST-ECS-CS3-XXX (Figure 1A-4) where XXX represents motor phase and HC Sensor</td>
</tr>
<tr>
<td></td>
<td>110 = Single-Phase with HC Sensor</td>
</tr>
<tr>
<td></td>
<td>310 = Three-Phase with HC Sensor</td>
</tr>
<tr>
<td>Pressure Management Control</td>
<td>1.03</td>
</tr>
<tr>
<td>(PMC) Software Version Number</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure Sensor (1 per GDF)</td>
<td>Veeder-Root 331946-001 (Figure 1A-5)</td>
</tr>
<tr>
<td>Multiport Card</td>
<td>Veeder-Root 330586-018</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Manufacturer / Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veeder-Root TLS-350 Series,</td>
<td>Veeder-Root 8482XX-XXX, 8470XX-XXX, Promax 847097-XXX, EMC PAO2620X000X</td>
</tr>
<tr>
<td>including but not limited to TLS-</td>
<td>X = Any digit</td>
</tr>
<tr>
<td>350, TLS-350 Plus, TLS-350R,</td>
<td></td>
</tr>
<tr>
<td>Red Jacket ProMax, Gilbarco</td>
<td></td>
</tr>
<tr>
<td>EMC consoles</td>
<td></td>
</tr>
<tr>
<td>RS232 Interface Module</td>
<td>Veeder-Root RS232 Interface Module Series (Figure 1A-3)</td>
</tr>
<tr>
<td>Veeder-Root Vapor Polisher</td>
<td>Veeder Root Vapor Polisher 332761-002 (Figure 1A-6)</td>
</tr>
<tr>
<td>PMC Software Version Number</td>
<td>1.03</td>
</tr>
<tr>
<td>Vapor Pressure Sensor (1 per GDF)</td>
<td>Veeder-Root 331946-001 (Figure 1A-5)</td>
</tr>
<tr>
<td>Smart Sensor Interface Module</td>
<td>Veeder-Root 329356-004 (Figure 1A-7)</td>
</tr>
<tr>
<td>(1 per GDF)</td>
<td>Veeder-Root 332250-001</td>
</tr>
<tr>
<td>With Atmospheric Sensor</td>
<td></td>
</tr>
<tr>
<td>Component</td>
<td>Manufacturer / Model</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>ISD Software</td>
<td>Version Number 1.03</td>
</tr>
<tr>
<td>Vapor Flow Meter (1 per Dispenser)</td>
<td>Veeder-Root 332374-XXX (Figure 1A-8) X = Any digit</td>
</tr>
<tr>
<td>Vapor Pressure Sensor (1 per GDF)</td>
<td>Veeder-Root 331946-001 (Figure 1A-5)</td>
</tr>
</tbody>
</table>
Figure 1A-1
VST Model VST-EVR- NB Nozzle

Spout
Face Seal
Convolution
Vapor Collection Sleeve
Spout Vent Hole
Band Clamps
Lever
Lever Lock
Model Name Plate Rivet to Inside of Guard
Lever Guard
Secondary Latch Release Mechanism
Serial No. Engraved In Casting
Ex. GSXXXXX
XXXXX = Sequential No.

1 7/8-12 UN
Figure 1A-1 (continued)
EMCO Model A4005EVR Nozzle

Model Name/Serial No. Plate Riveted to Inside of Lever Guard
Ex. W-XXXXX; X=Sequential Numbers

Model Number for New A4005EVR

Model Number for Rebuilt RA4005EVR

Security Rivet

Lever

Lever Guard

1 7/8 - 12 UN
Figure 1A-2
Hanging Hardware
(Nozzle, Coaxial Curb Hose, Breakaway, and Coaxial Whip Hose)

Threads: 1 7/8–12 UN

When Connected, Maximum Length: 15’

Nozzle
Models: VST-EVR-NB
VST-EVR-NB-R
A4005EVR\(^1\)
RA4005EVR\(^1\)

Curb Hose
Models: VDV-EVR or Maxxim Premier Plus

Whip Hose
Models: VSTA-EVR or Maxxim Premier Plus

Breakaway
Models: VSTA-EVR-SBK
A4119EVR\(^1\)

Threads: 1 7/8-12 UN

\(^1\) Alternate component for use with the Veeder-Root Vapor Polisher
Figure 1A-2 (continued)
VST Hanging Hardware
(Nozzle, Coaxial Curb Hose, Breakaway, and Coaxial Whip Hose)
Figure 1A-2 (continued)
EMCO Hanging Hardware
(Nozzle and Safe Break Valve)

EMCO Wheaton Retail

Nozzle
EMCO Model A4005EVR

EMCO Wheaton Retail

Safe Break Valve
EMCO Model A4119EVR

Serial Number Location
Figure 1A-2 (continued)
Goodyear Hanging Hardware
(Curb and Whip Hoses)

Goodyear Coaxial Whip Hose
Model: Maxxim Premier Plus

Serial Number Location

Goodyear Coaxial Curb Hose
Model: Maxxim Premier Plus
Figure 1A-3
Veeder-Root RS232 Interface Module Series
RS232 Interface Module
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 331946-001
Vapor Pressure Sensor
Figure 1A-6
Typical Veeder-Root Vapor Polisher

Vapor Valve Assembly
Manufacture, Model #, and Serial # located on Vapor Valve Assembly

Vapor Polisher Outlet

Security Seal Tags

Mounting Bracket

U-Bots

Carbon Bed

P/V Valve

P/V Vent Stack

Vapor Polisher Inlet

Locking Ball Valve
(Shown in Open Position)
Figure 1A-7
Veeder-Root 329356-004, 332250-001
Smart Sensor Interface Module
Figure 1A-8
Veeder-Root 332374-XXX
Vapor Flow Meter

The Low Pressure Drop Vapor Flow Meter