

**Executive Order VR-201-Q  
Assist Phase II EVR System  
Not Including ISD**

**Exhibit 1 EQUIPMENT LIST**

**SECTION I  
Part 1 - Equipment List**

**Component**

**Manufacturer/Model**

**Nozzle**

Healy Model 900<sup>1</sup>  
(Figures 1-1 and 1-2)

**Clean Air Separator**

Healy Model 9961 Clean Air Separator  
(Figures 1-3 and 1-4)  
Healy Model 9961H Clean Air  
Separator (Figures 1-3H and 1-4H)

**Inverted Coaxial  
Hoses**

Goodyear Futura HVR Low Perm Series Hose  
(3/4" I.D) (Figure 1-5)  
532-33W-X24-0YYZZ

where:

W = specifies hose color (varies)

X = specifies fitting combination

2 = S2S2

3 = S3F2

4 = S4F2

5 = F2F2

6 = F3F2

7 = S2F2

8 = S4S2

Y = specifies hose length in feet

Z = specifies hose length in tenths of feet

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<sup>1</sup> Nozzle can have either a two position or three position hold open clip (see Figure 1-1).

**Component****Manufacturer / Model****Dispenser Conversion  
Adaptors (Optional)<sup>2</sup>**

Healy Model CX6-A (Required on Gasboy, Global Century,  
Reliance and Select Dispensers)

Healy Model CX6-VV1A\*

Healy Model CX6-VV2A\*

Healy Model CX6-VV3A

EBW Model 303-301-01

(Figures 1-8 and 1-9)

Note: Items marked with asterisk (\*) are no longer  
manufactured, but may be used for dispenser retrofit.

**Reconnectable Breakaway Coupling**

Healy Model 8701VV

(Figure 1-10a)

Healy Model 807 Swivel

(Figure 1-10b)

Catlow Model CTMCA (grey cover)

(Figure 1-10c)

VST Model VST-HEVR-SBK

(Figure 1-10d)

**Flow Limiter<sup>3</sup>**

Healy Model 1301

(Figures 1-11 and 1-12)

Healy Model 1302

(Figures 1-13 and 1-14)

<sup>2</sup> If optional components are installed or required by regulations of other agencies, the components and model numbers manufactured by Franklin Fueling Systems may be used to facilitate installation. The use of dispenser conversion adaptors not listed above may be used to facilitate installation provided that all applicable performance standards are met.

<sup>3</sup> Flow limiter is mandatory when the flow rate is greater than 10.0 gallons per minute to comply with US EPA requirement. 1301 is used with 8701VV breakaway. 1302 is used with 807 swivel breakaway.

**Component**

**Manufacturer / Model**

**Dispenser Vacuum Pump**

Healy Model VP1000 Vacuum Pump  
 Healy/Franklin Electric Model VP1000 Vacuum Pump  
 (Figure 1-15)

**Control Module**

Healy Model MC 100  
 (Figure 1-16)

**Dispensers**

**Note:** Unihose dispensers shall be required unless as provided by Section 4.10 of CP-201.

Gilbarco Encore Series<sup>4</sup>

Healy Kit VP1000R<sup>5</sup> or VP1000S<sup>6</sup>

| <u>Model#’s</u> | <u>Description:</u>               |
|-----------------|-----------------------------------|
| NA0             | Encore 1 Grade Multi-hose         |
| NA1             | Encore 2 Grade Multi-hose         |
| NA2             | Encore 3 Grade Multi-hose         |
| NA3             | Encore 4 Grade Multi-hose         |
| NG0             | Encore 3 Grade Single-Hose        |
| NG1             | Encore 4 Grade Single-Hose plus 1 |
| NG4             | Encore 2 Grade Single-Hose        |
| NJ0             | Multi-hose Blender                |
| NJ2             | Multi-hose Blender plus           |
| NL0 NL1 NL2 NL3 | Encore X+1 Blender                |
| NN0 NN1 NN2 NN3 | Encore X+0 Blender                |

GasBoy 9800 Series (Gilbarco)

Healy Kit VP1000M<sup>7</sup>

| <u>Model#’s</u> | <u>Description:</u> |
|-----------------|---------------------|
| 9852            | – Suffix1 Suffix2   |
| 9853            | – Suffix1 Suffix2   |

Where:

Suffix1 can be:

A = Factory fabrication and assembly modifications to chassis

<sup>4</sup> Encore Dispensers factory equipped with Healy VP1000 will now have an angled (~13°) outlet casting.

<sup>5</sup> Kit used to install Healy components in Encore Balance series dispenser. VP1000R previously sold as equivalent to VP1000L.

<sup>6</sup> Kit used to install Healy components in Encore Assist series dispenser. VP1000S previously sold as equivalent to VP1000K.

<sup>7</sup> Kit used to install Healy components in GasBoy 9800 series dispenser

**Component****Manufacturer / Model**

|     |   |  |
|-----|---|--|
| HC  | = | High capacity model                                |
| M   | = | Manifold supply inlet at the<br>pumping unit inlet |
| TW1 | = | Manifold supply inlet                              |
| TW2 | = | Two individual supply inlets                       |
| X   | = | Dispenser supplied by a<br>submersible pump        |
| Q   | = | Utilizes an alternate meter and<br>Pump            |

## Suffix2 can be:

|      |   |  |
|------|---|--|
| B    | = | Battery back-up for electronics  |
| C    | = | Pump Interface   |
| D    | = | DC conduit and junction box  |
| F    | = | Fuel filter  |
| G    | = | Imperial gallons registration  |
| H    | = | High hose retriever  |
| I    | = | Internal hose retriever  |
| L    | = | Lighted panel  |
| N    | = | Equipped to handle a long spout<br>nozzle  |
| P    | = | Satellite dispenser as part of the<br>unit (for connection to a<br>master pump)            |
| PP   | = | Solenoid valves (optional only on<br>pumps)  |
| R    | = | Liters registration  |
| S    | = | Piping for connection to satellite   |
| SS   | = | Stainless steel panels   |
| SSA  | = | Equipped with stainless steel<br>doors   |
| SSTS | = | Stainless steel tops and doors   |
| T    | = | Mechanical totalizer   |
| U    | = | Submersible drive relays   |
| W    | = | Heater   |
| Y    | = | Vapor recovery ready   |
| Z    | = | Front Load Nozzle  |
| 2    | = | 230 VAC/60hz operation   |
| 3    | = | 230 VAC/60hz operation with<br>380VAC/60hz motor (available<br>on all models except 9852Q) |
| 25   | = | 230VAC/50hz operation  |
| 35   | = | 230VAC/50hz operation with<br>380VAC/50hz motor  |
| 4    | = | RS-485 interface   |
| 5    | = | 50hz operation   |
| 7    | = | Electronic totalizer activator on  |

**Component**

**Manufacturer / Model**

9 = both sides  
 Provided with 900-R Series  
 TopKat

Wayne Harmony Series

Healy Kit VP1000N<sup>8</sup> or VP1000Q<sup>9</sup>

Model#’s                      Description:  
 prefix/VXXXYZ/suffix

Where:

prefix = Any number or letter  
 (with a possible “H” for Harmony)

V = Vista

X = Any digit

Y = D or P

D = remote dispenser type for  
 delivering fuel

P = suction pump for  
 delivering fuel

Z = 1, 3, 4, 5, 6, 7 or 8

suffix = D1 or D2, and any combination of  
 number(s) or letter(s)

Wayne Ovation Series

Healy Kit VP1000P<sup>10</sup>

Model#’s                      Description:  
 XYZ/ABC

Where:

X = B or R

B = Blended Dispenser  
 R = Regular Dispenser

Y = Number of hoses per side  
 1 = one hose per side  
 2 = two hoses per side

Z = Number of inlets per side  
 1 = one inlet  
 2 = two inlets  
 3 = three inlets

A = Number of grades  
 1 = one grade  
 2 = two grades

<sup>8</sup> Kit used to install Healy components to Harmony Balance series dispenser

<sup>9</sup> Kit used to install Healy components to Harmony Assist series dispenser

<sup>10</sup> Kit used to install Healy components to Ovation Balance or Assist series dispenser. VP1000P previously sold as equivalent to VP1000C.



**Component**

**Manufacturer / Model**

- D = Number of Hoses & Orientation
  - 1 = Single, Island-Oriented
  - 2 = Twin I, Island-Oriented
  - 3 = Twin II, Island-Oriented
  - 7 = Twin I, Lane-Oriented  
OR Single Side,  
Lane-Oriented w/ "R"  
Suffix
  - 8 = Twin II, Lane-Oriented
- E = Dispenser Type
  - D = Dispenser-Remote
- Suffix = Any combination of letters or numbers

Wayne Reliance Series<sup>14</sup>

Model#’s                      Description  
/GABCDE/Suffix

Where:

- A = Model Series
  - 5 = Reliance Mechanical  
Fleet – Pricing
  - 6 = Reliance Mechanical  
Fleet – Volume Only
- B = Cabinet Style
  - 2 = Column Style
- C = Flow Rate Capacity
  - 0 = Standard Flow
- D = Number of Hoses & Orientation
  - 1 = Single, Island-Oriented
  - 2 = Twin I, Island-Oriented
  - 3 = Twin II, Island-Oriented
- E = Dispenser Type
  - D = Dispenser-Remote
- Suffix = Any combination of letters or numbers

<sup>14</sup> Dispenser configuration only available for purchase from Dresser Wayne. There is no Kit for retrofit of this dispenser type.

**Component**

**Manufacturer / Model**

FFS/Healy Universal Retrofit Manual<sup>15</sup>

|            |   |
|------------|---|
| Healy Kits | VP1000A <sup>16</sup><br>VP1000D <sup>17</sup><br>VP1000G <sup>18</sup><br>VP1000H <sup>19</sup><br>VP1000J <sup>20</sup><br>Z071V <sup>21</sup><br>Z070E <sup>22</sup><br>Z008 <sup>23</sup><br>Z009 <sup>24</sup> |
|------------|---|

**TABLE 1  
Components Exempt from Identification Requirements**

| Component Name | Manufacturer | Model Number  |
|----------------|--------------|---|
| Dispenser Kit  | Healy        | VP1000A & VP1000B<br>VP1000D<br>VP1000G<br>VP1000H<br>VP1000J<br>VP1000M<br>VP1000N<br>VP1000P<br>VP1000Q<br>VP1000R<br>VP1000S<br>VP1000T<br>VP1000V<br>Z008<br>Z009<br>Z070E<br>Z071V |

<sup>15</sup> Any dispenser not currently listed in Exhibit 1 can be upgraded to Healy EVR using one of the kits listed in this section.

<sup>16</sup> Kit contains Universal Wire Harness for use in any dispenser make or model. For use with any VAC or VDC solenoid valves. VP1000A previously sold as equivalent to VP1000B.

<sup>17</sup> Early Gilbarco Encore 300 Blender Dispensers – 120 VAC valves (mfg. before 04/2003).

<sup>18</sup> Wayne DL Non-Blender Dispensers – 120 VAC valves.

<sup>19</sup> Tokheim Premier C Blender Dispensers – 24 VDC valves.

<sup>20</sup> Early Tokheim Blender Dispensers – Combination 120 VAC & 24 VDC valves.

<sup>21</sup> Universal Vapor Kit.

<sup>22</sup> Universal Electrical Kit.

<sup>23</sup> Standard Low Profile Single Hose Dispenser Retrofit Kit.

<sup>24</sup> Standard Low Profile Dual Hose Dispenser Retrofit Kit.

**Maintenance Tracker Kit (Optional)**

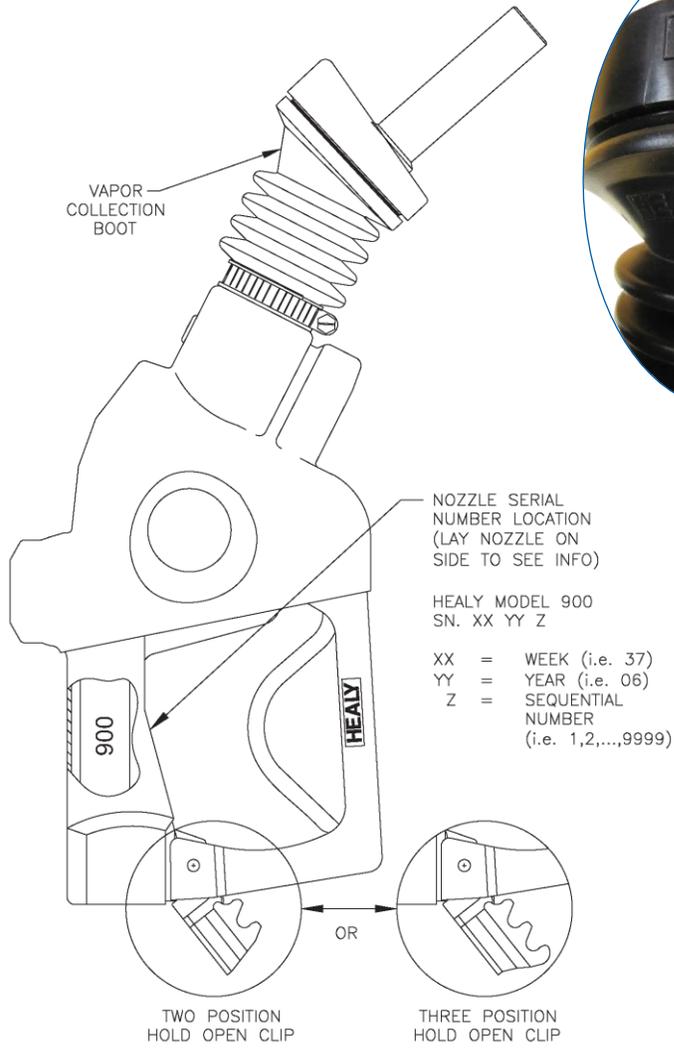
Veeder-Root 330020-546

Consists of the following:

- Maintenance Tracker Technician Key (Figure 1-17)
- Interface Module RS232/485 Dual Module with DB9 Converter or Single Port Module with DB-25 converter (Figure 1-18)
- Manual

### Healy Model 900 EVR Nozzle

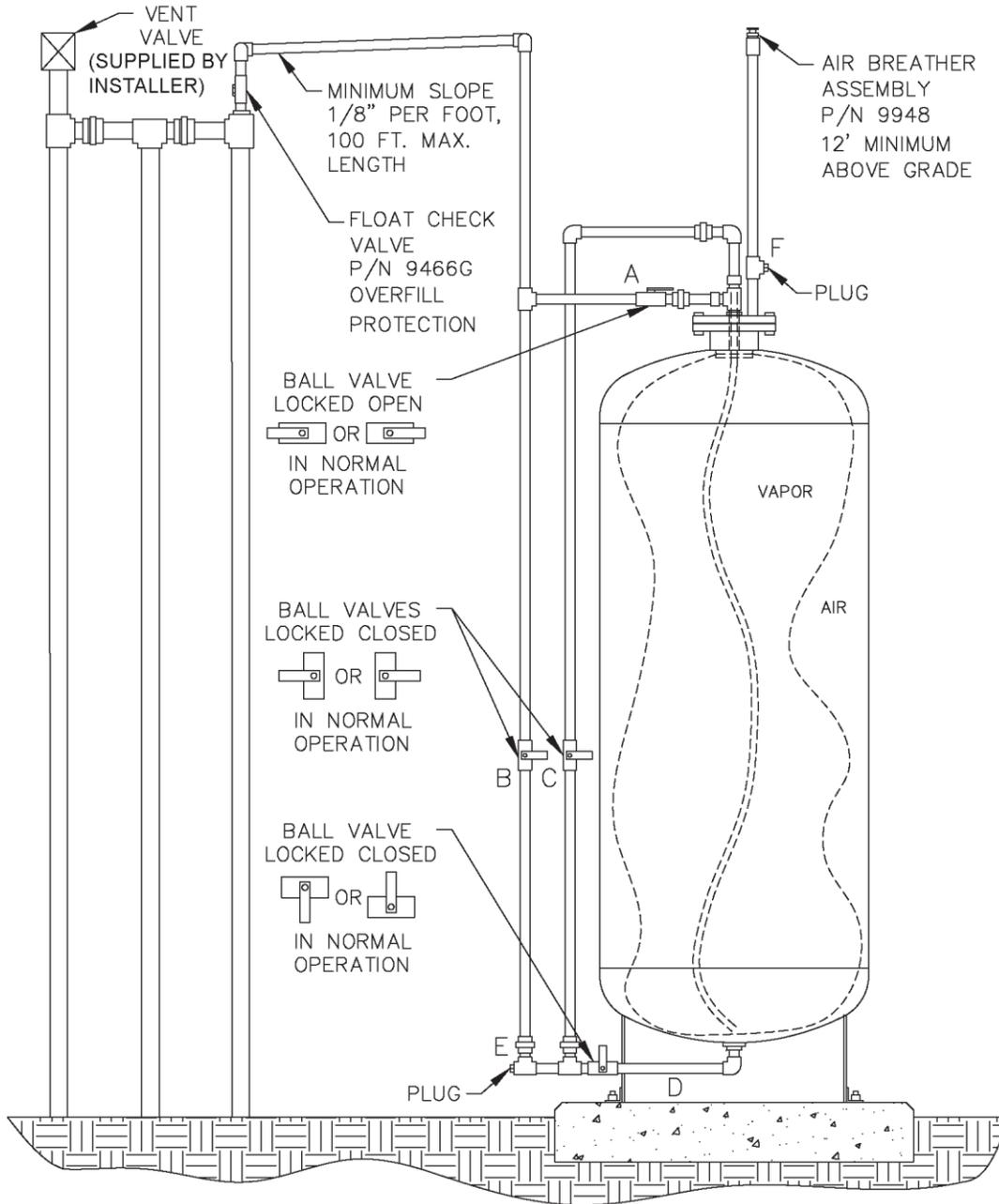
**FIGURE 1-1**  
Healy Model 900 EVR Nozzle  
(Drawing)



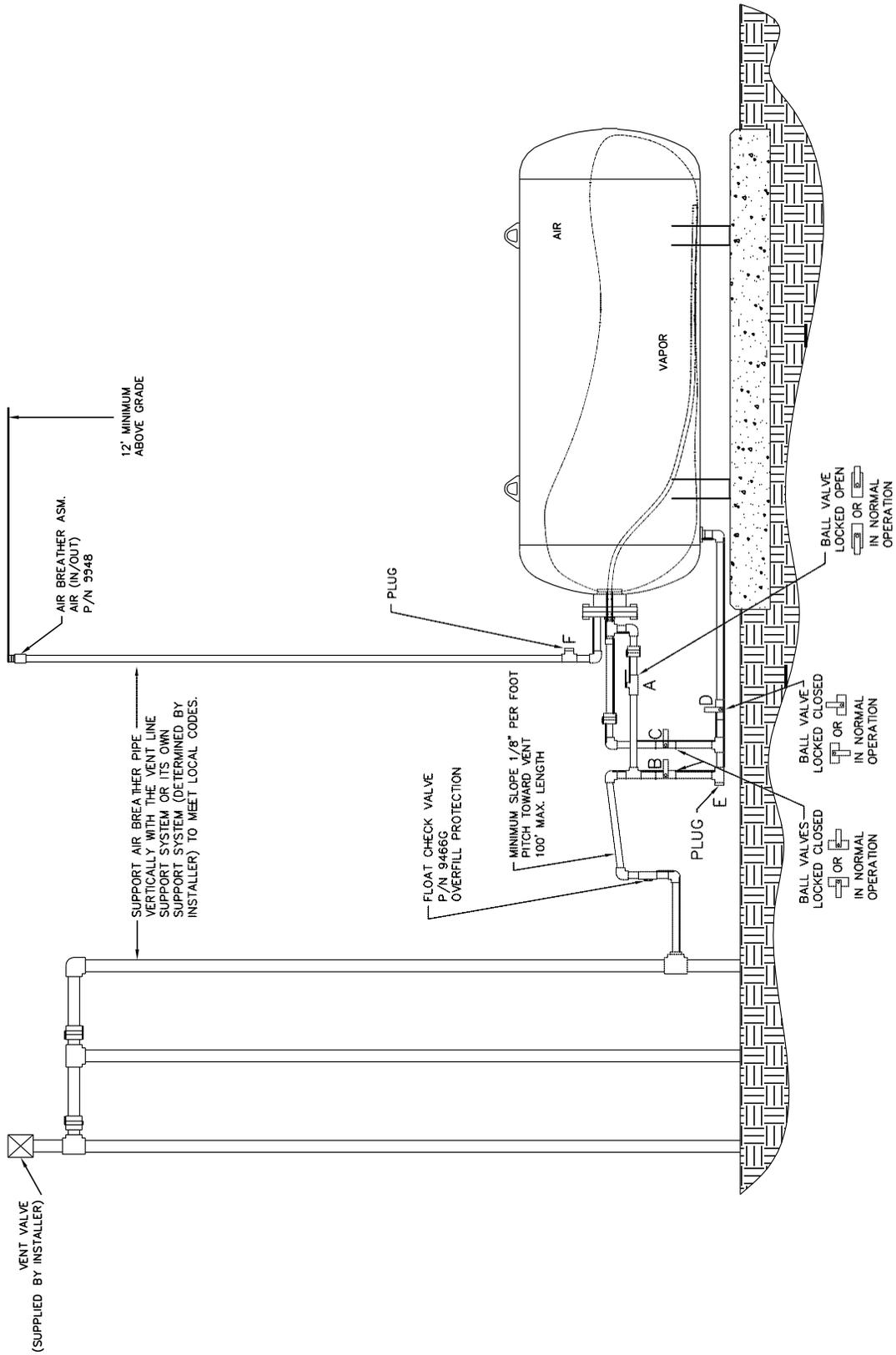
**FIGURE 1-2**  
Healy Model 900 EVR Nozzle  
(Image)



**FIGURE 1-3**  
**Healy Model 9961 Clean Air Separator**



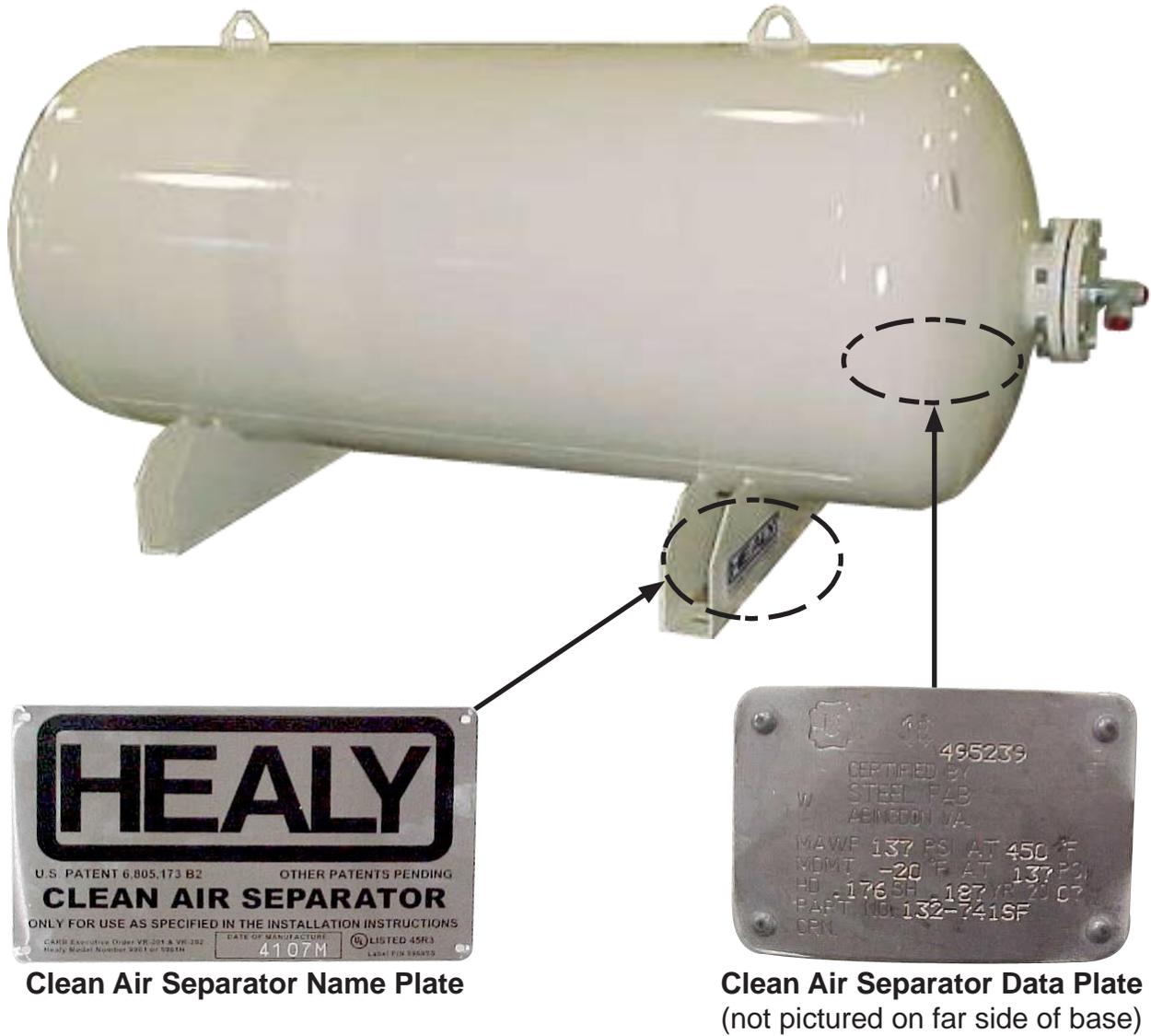
**FIGURE 1-3H**  
**Healy Model 9961H Clean Air Separator**



**FIGURE 1-4**  
**Healy Model 9961 Clean Air Separator**



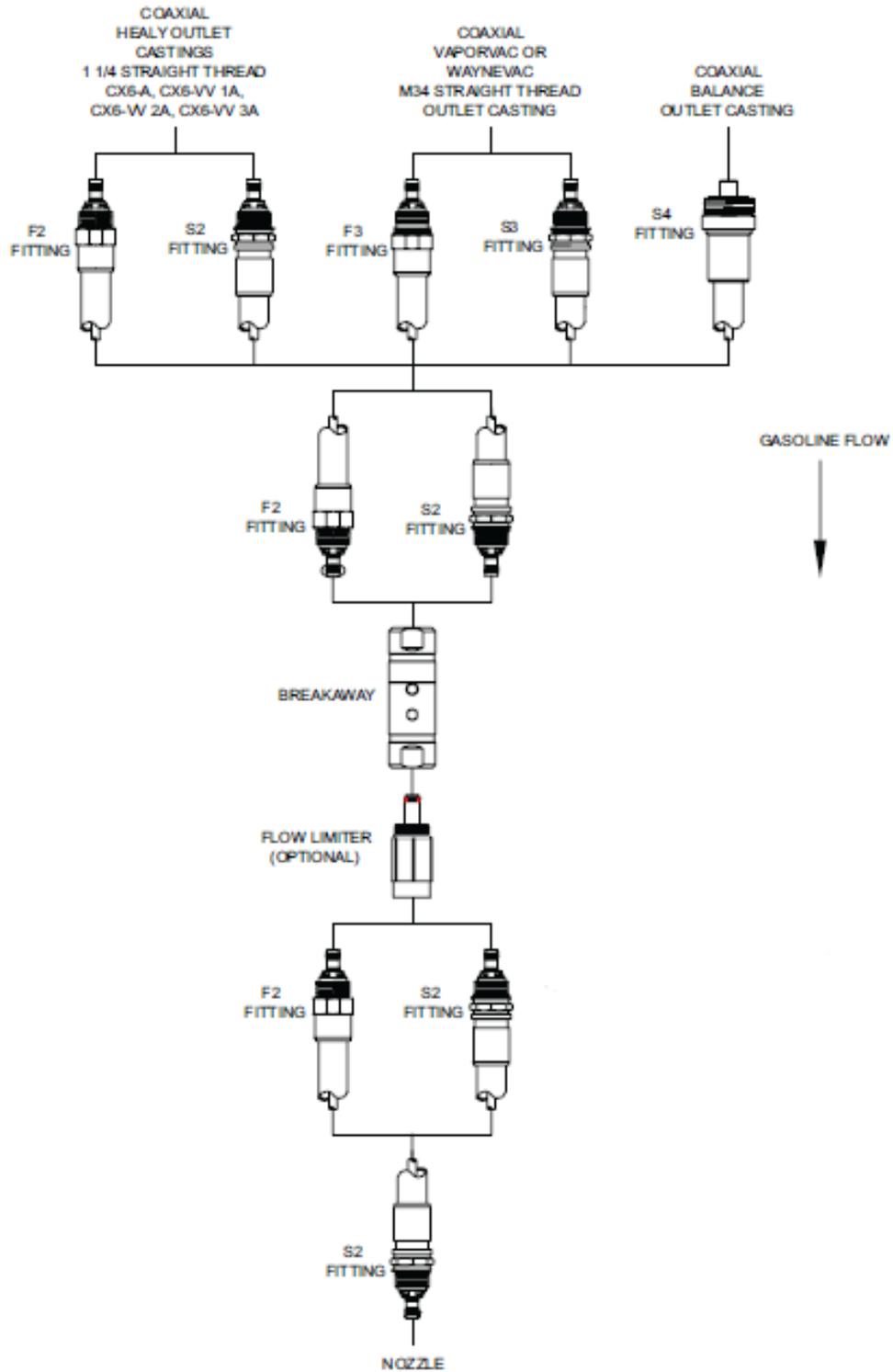
**FIGURE 1-4H**  
**Healy Model 9961-H Clean Air Separator**



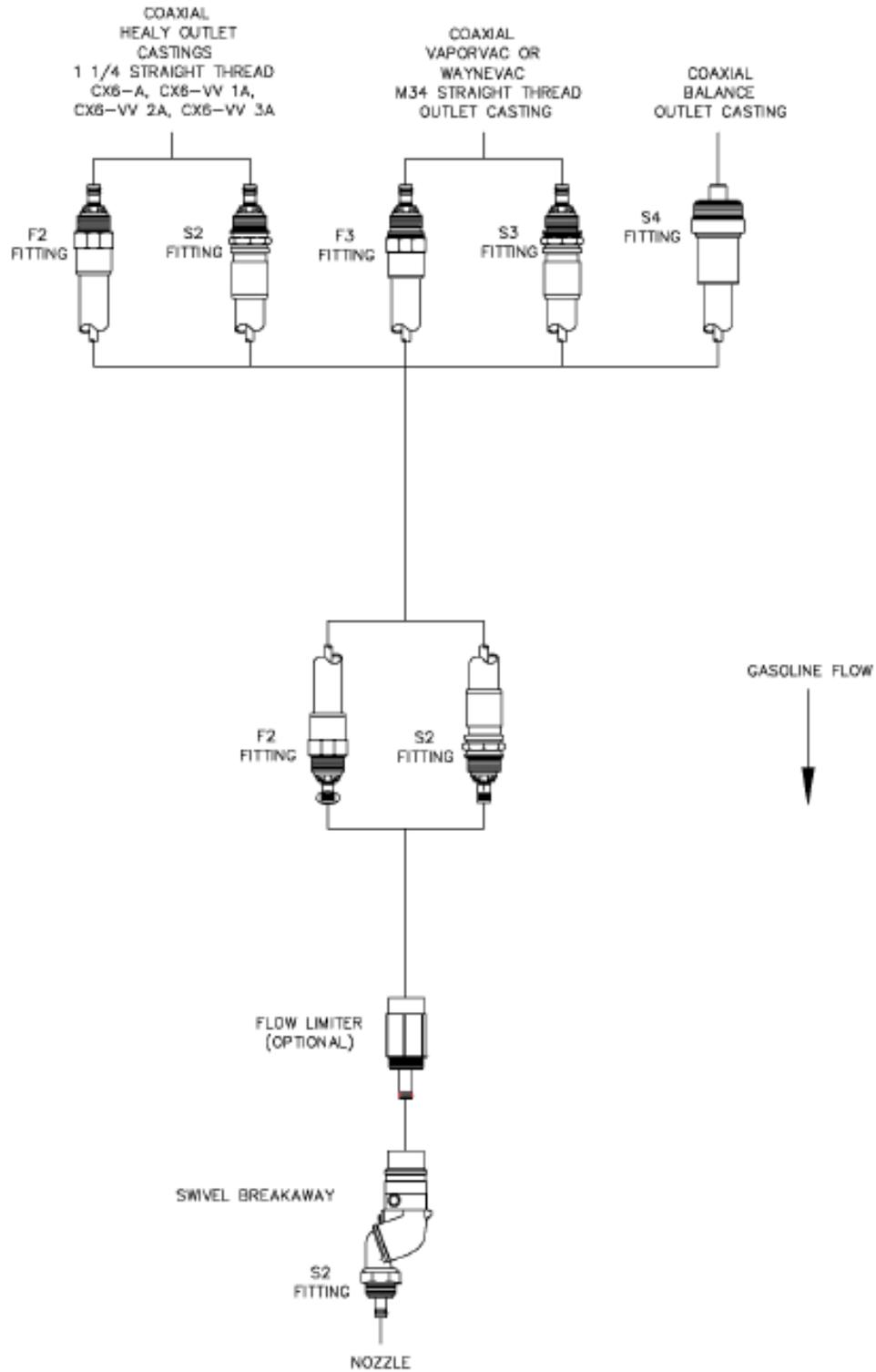
**Figure 1-5**  
**Goodyear Futura HVR Low Perm Series Hose**



**FIGURE 1-6**  
**Hanging Hardware Selection Options**  
**Breakaway and 1301 Flow Limiter**



**FIGURE 1-7**  
**Hanging Hardware Selection Options**  
**Model 807 Swivel Breakaway and 1302 Flow Limiter**



Dispenser Conversion Adaptors

**FIGURE 1-8**  
Healy Model CX6-A



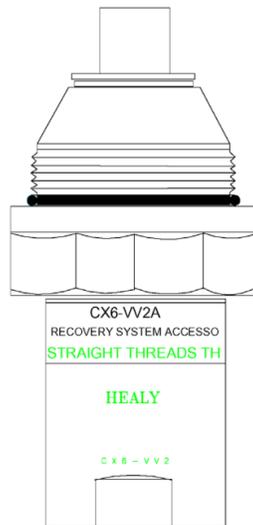
**FIGURE 1-8**  
Healy Model CX6-A



**FIGURE 1-8**  
Healy Model CX6-VV1A



**FIGURE 1-8**  
Healy Model CX6-VV2A



Dispenser Conversion Adaptors

FIGURE 1-9  
Healy Model CX6-VV3A

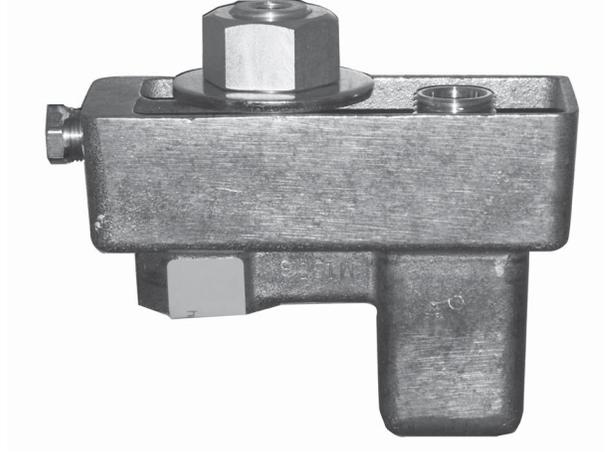
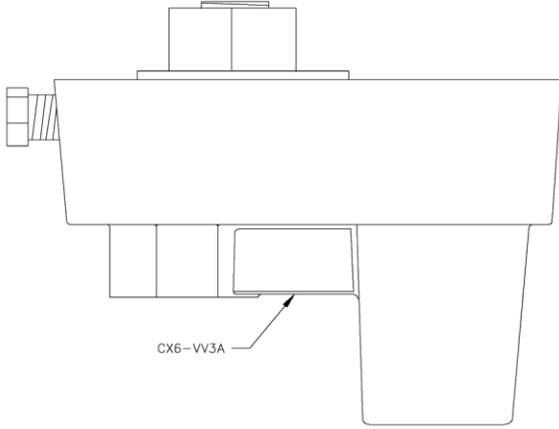
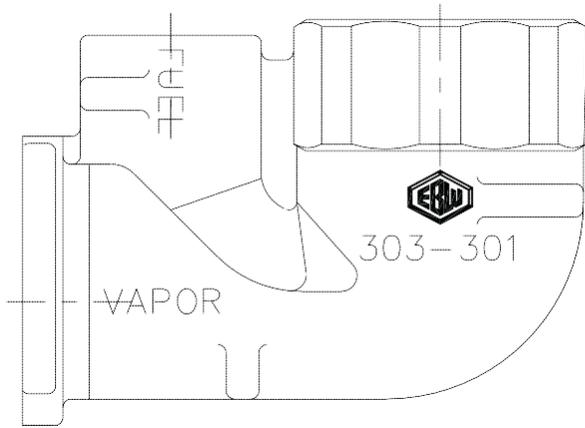


FIGURE 1-9  
EBW Model 303-301-01



### Healy Model 8701VV Breakaway

FIGURE 1-10a

**DECAL  
LOCATION**

**BREAKAWAY COUPLING 8701-VV**  
VAPOR RECOVERY EMERGENCY BREAKAWAY  
COUPLING FOR FLAMABLE LIQUIDS

BREAKS AT NOT MORE THAN 350 LBS.

**WARNING:** SEE INSTRUCTIONS  
PRIOR TO INSTALLATION

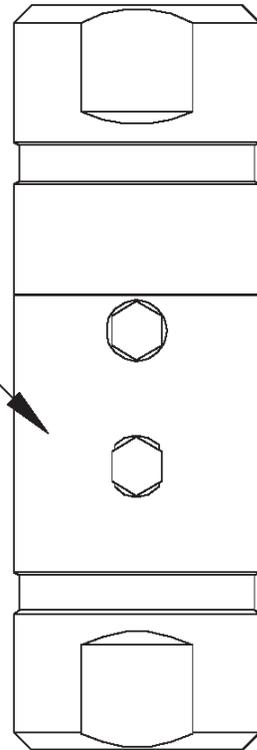
 LISTED 9M59

**HEALY** HEALY SYSTEMS INC. HUDSON, N.H.

STRAIGHT THREADS BOTH ENDS  
P/N 765 REV F

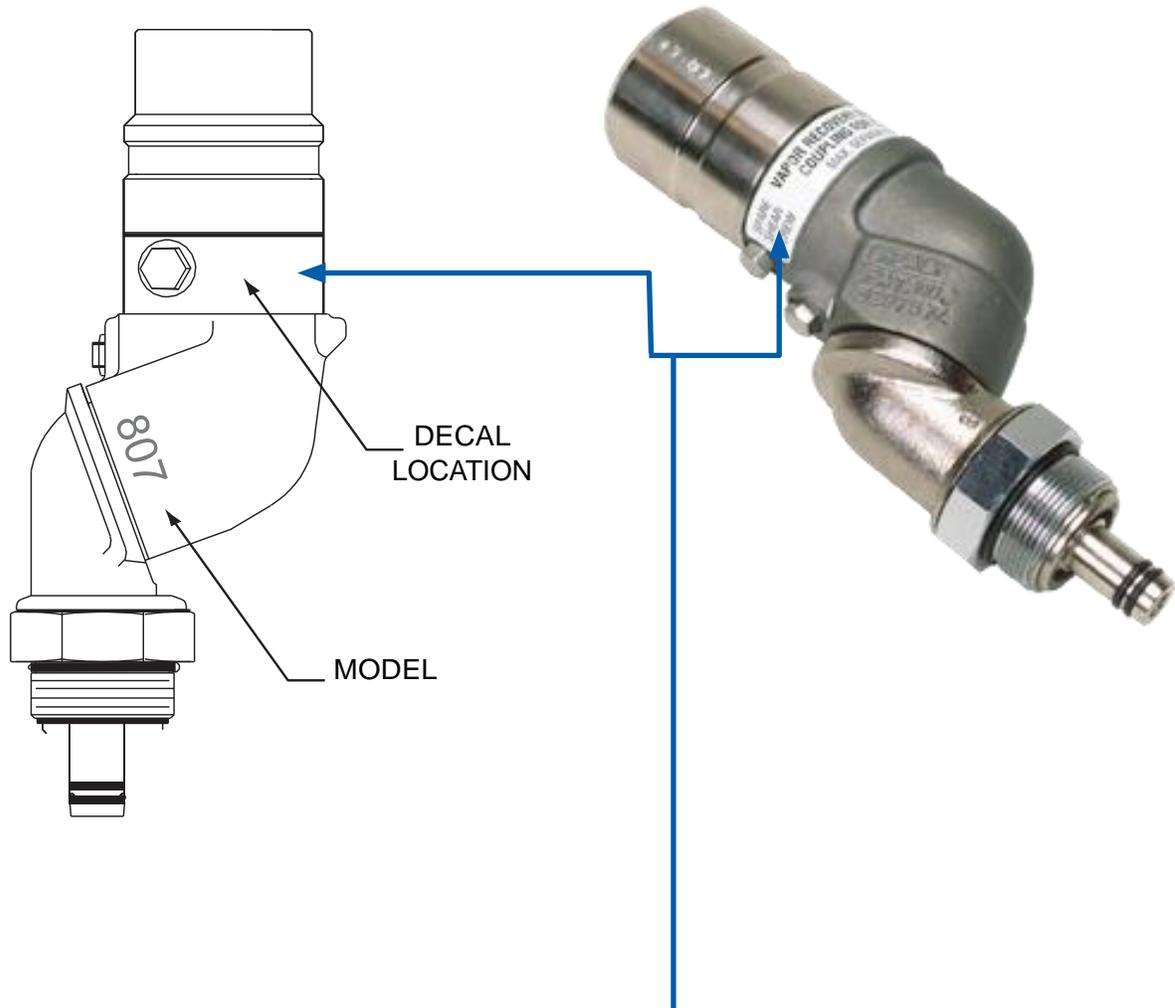
**GASOLINE FLOW** ↓ **SPARE PIN** →

**DECAL SHOWN LARGER  
FOR READABILITY**



### Healy Model 807 Swivel Breakaway

#### FIGURE 1-10b



|   |   |                       |                            |   |             |
|---|---|-----------------------|----------------------------|---|-------------|
| <b>FLOW</b><br>▼<br>STRAIGHT THDS.<br>BOTH ENDS | <b>VAPOR RECOVERY EMERGENCY BREAKAWAY</b><br><b>COUPLING FOR FLAMMABLE LIQUIDS</b><br><b>MAX. SEPARATION FORCE 350#</b><br><small>FRANKLIN FUELING SYSTEMS MADISON WI</small> | <b>UL</b> LISTED 9M59 | <b>MODEL</b><br><b>807</b> | <b>SPARE</b><br><b>SHEAR</b><br><b>SCREW</b><br>▼ | LBL P/N 893 |
|---|---|-----------------------|----------------------------|---|-------------|

|   |   |                       |  |   |             |
|---|---|-----------------------|--|---|-------------|
| <b>FLOW</b><br>▼<br>STRAIGHT THDS.<br>BOTH ENDS | <b>VAPOR RECOVERY EMERGENCY BREAKAWAY</b><br><b>COUPLING FOR FLAMMABLE LIQUIDS</b><br><b>MAX. SEPARATION FORCE 350#</b> | <b>UL</b> LISTED 9M59 | <b>MODEL</b><br><b>807</b><br><small>Healy Systems Inc. Hudson, N.H. 03051</small> | <b>SPARE</b><br><b>SHEAR</b><br><b>SCREW</b><br>▼ | LBL P/N 893 |
|---|---|-----------------------|--|---|-------------|

DECALS SHOWN LARGER FOR READABILITY

EITHER LABEL MAY APPLY

### Catlow Model CTMCA Breakaway

FIGURE 1-10c



M3418 Adaptor and Ferrule (2 Places)

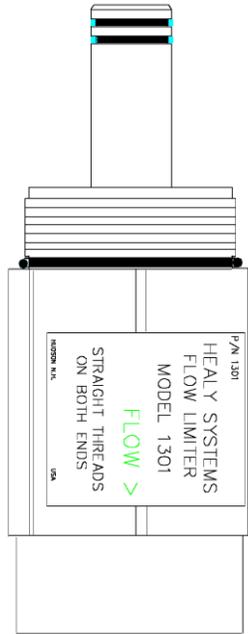


VST Model VST-HEVR-SBK Breakaway

FIGURE 1-10d



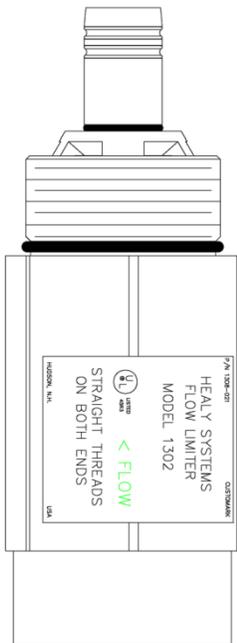
**FIGURE 1-11**  
Healy Model 1301 Flow Limiter



**FIGURE 1-12**  
Healy Model 1301 Flow Limiter



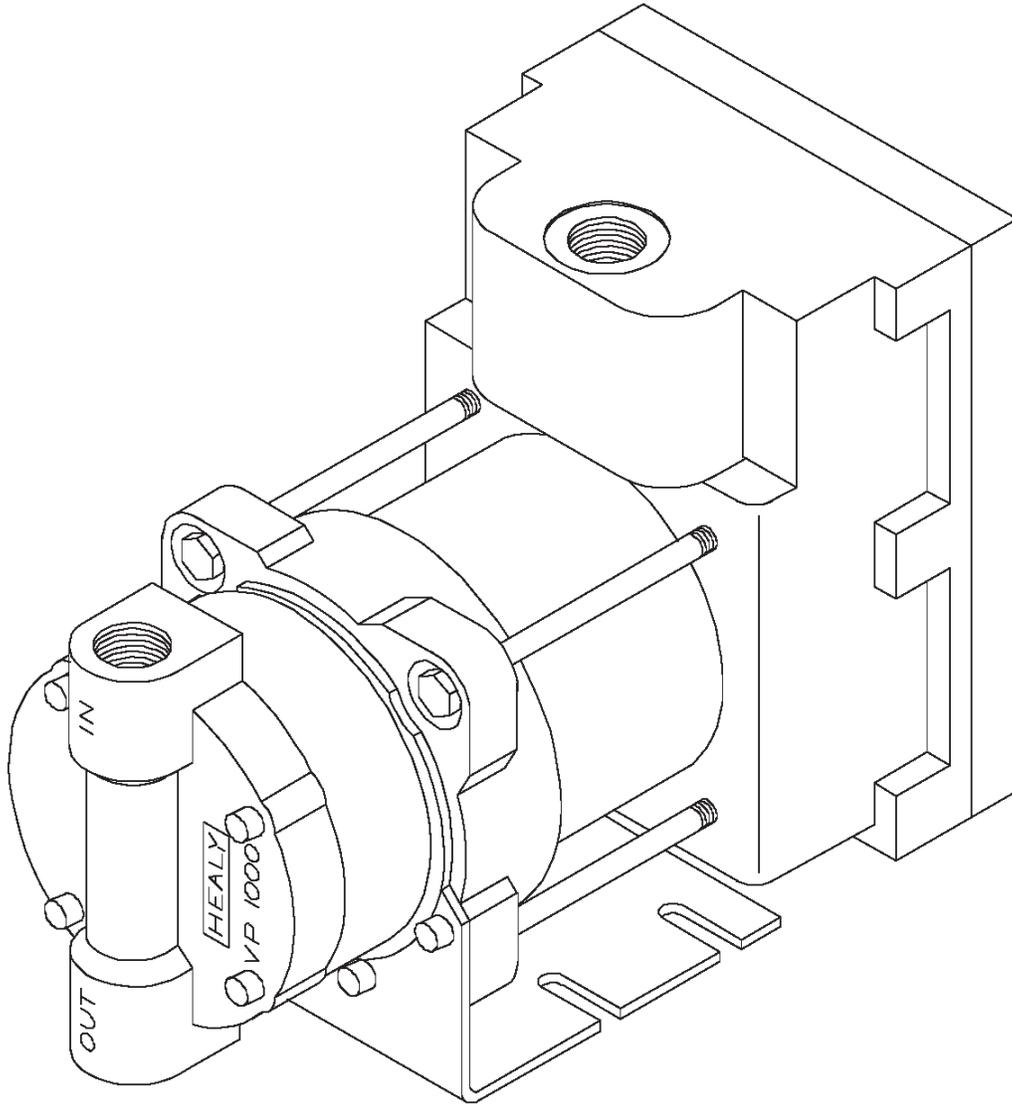
**FIGURE 1-13**  
Healy Model 1302 Flow Limiter



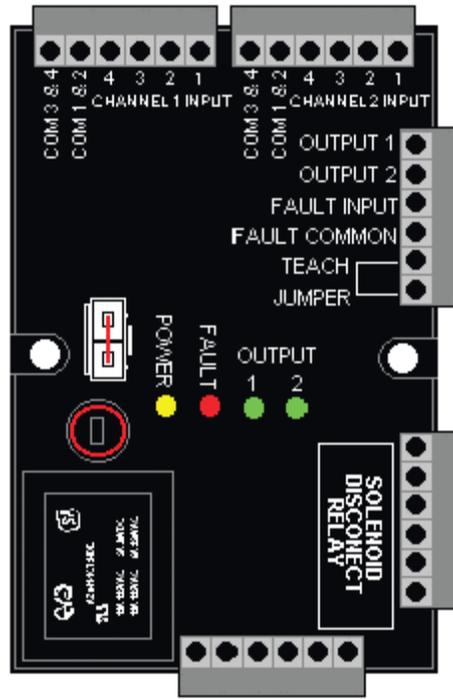
**FIGURE 1-14**  
Healy Model 1302 Flow Limiter



**FIGURE 1-15**  
**Healy Model VP1000 Vacuum Pump**



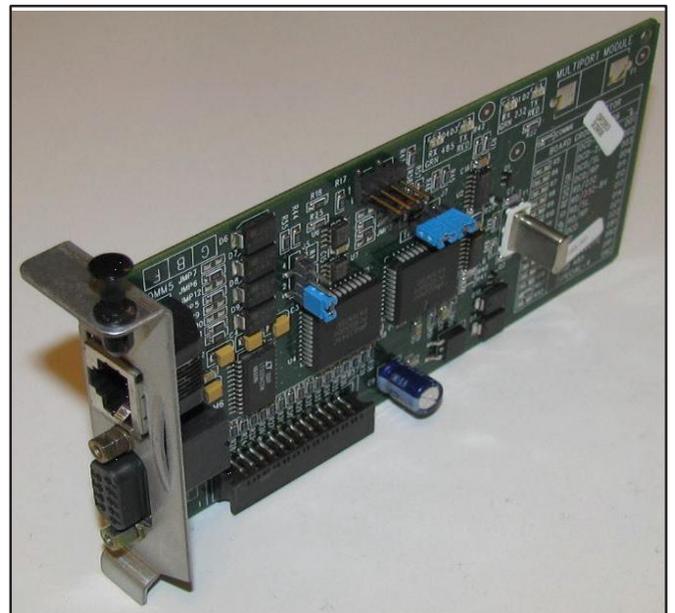
**FIGURE 1-16**  
**MC 100 Control Module**



**FIGURE 1-17**  
**Maintenance Tracker Technician Key**



**FIGURE 1-18**  
**Interface Module RS232/485**  
**Dual Module with DB9 Converter or**  
**Single Port Module with DB-25 converter**

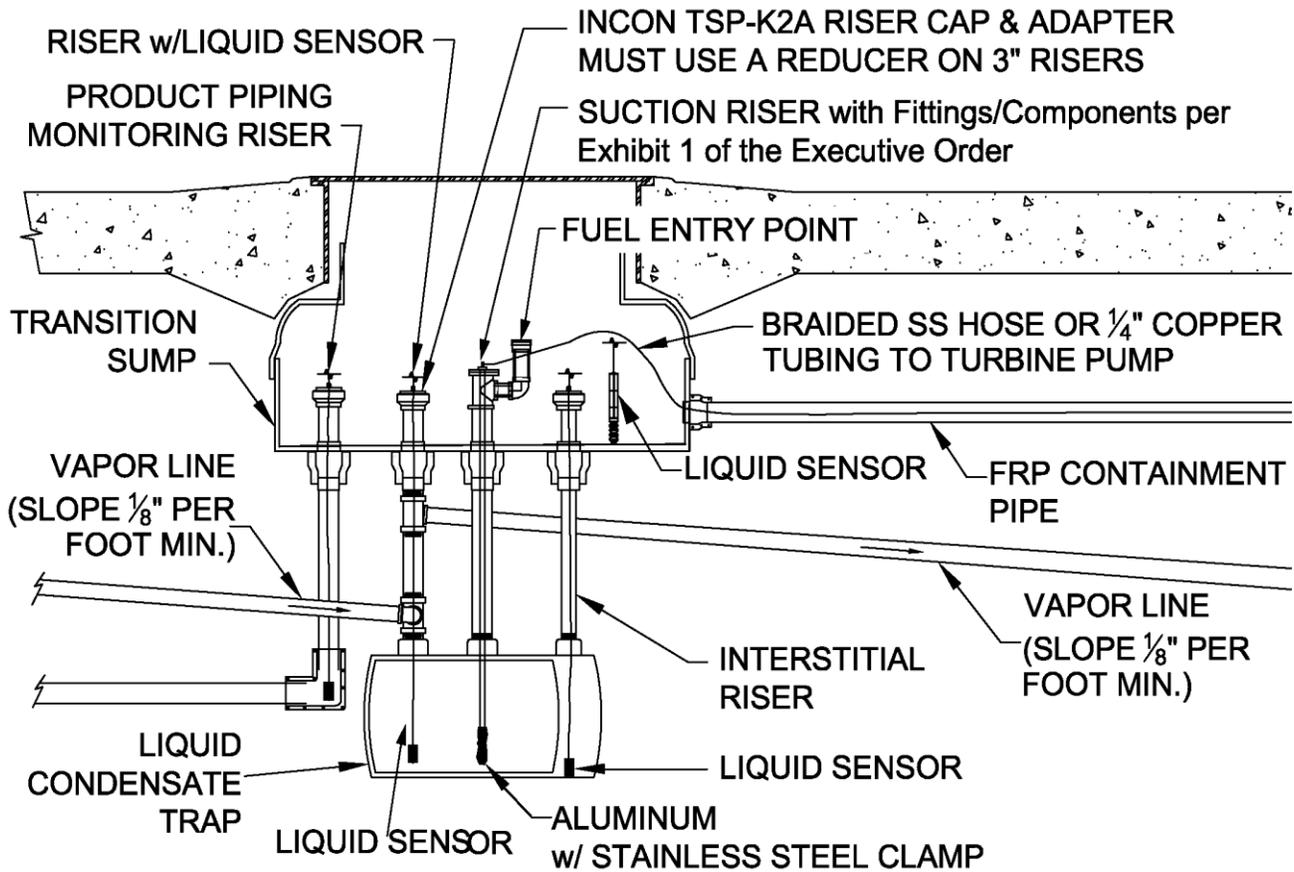


**Part 2 - Vapor Equipment List for Liquid Condensate Trap  
Figures 1A-LCT-1 and 1A-LCT-2**

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

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

**FIGURE 1A-LCT-1**  
**Typical Liquid Condensate Trap Installed Below the Transition Sump**



**FIGURE 1A-LCT-2**  
**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).

