



# Franklin Fueling Systems

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**To:** Healy Certified Technicians

**From:** Leon Schuster

**Subject: Healy Phase II EVR system Installation and Maintenance**

When a Certified Healy Technician properly installs and performs startup of a Healy Phase II system per the California Air Resource Board (CARB) Executive Order (EO), the system will operate properly with only the "Scheduled Maintenance" outlined in the Installation, Operation, and Maintenance manual (IOM). Scheduled Maintenance includes inspection of the system to ensure continued proper operation of the Clean Air Separator (CAS), Hanging Hardware, VP1000 vacuum source, and the MC100 Dispenser Interface Module.

When unscheduled maintenance is required on the VP1000, the MC100 will display the fault condition with a Flashing or a Steady indication on its Red LED (see "Testing the System" and "Troubleshooting VP1000" sections of the IOM for complete details). Both fault conditions can require removal and cleaning/replacement of the Rotor and Vanes located in the VP1000, see "VP1000 Vane & Rotor Service & Replacement Guide" of the IOM for complete details. As outlined in the IOM, if the Vanes and/or Rotor are cracked, chipped, excessively worn or dirty, the Vanes and Rotor should be replaced (Healy P/N VP1000VRC) as cleaning will not remedy these conditions. In conjunction with cleaning/replacement of the Vanes and Rotor, cleaning of the VP1000 requires the use of a lint free cloth with isopropyl alcohol throughout the inside of the pump ring and rear of the pump cavity, the rotor shaft, and the inside of the pump cover (as outlined in the above mentioned section of the IOM).

Other than the above described cleaning/replacement process, FFS does not endorse any other cleaning or "flushing" procedure at this time. FFS is aware that other cleaning/flushing procedures exist, but it is our position that these procedures unnecessarily expose system components, such as the VP1000 Vacuum Pump and ISD Vapor Flow Meter, to damage that could be prevented. Under normal operation, the VP1000 is designed to pump vapors and small amounts of gasoline from spit-back events. Conversely, the VP1000 is not designed to pump large volumes of gasoline and debris, as happens in some of these rogue flushing procedures. Pumping large volumes of gasoline and debris with the VP1000 can not only jeopardize the longevity of the vacuum pump, but may also adversely affect your warranty coverage as outlined in the Healy Limited Warranty Policy. FFS does recognize that in extreme cases, there may be a need for dispenser vapor piping to be cleared of debris, but this would only be prior to the installation of the VP1000. In these extreme cases, the procedure to clear the dispenser vapor piping should be verified with the dispenser manufacturer to ensure accuracy and safety of the process.

For complete details of FFS Executive Orders, please visit the California ARB website at <http://www.arb.ca.gov/vapor/vapor.htm> for the most current Healy Phase II EVR system information, or contact Franklin Fueling Systems Technical Support for further information.

Regards,

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Technical Bulletin