



***Cal/EPA***

California  
Environmental  
Protection  
Agency



**Air Resources Board**

P.O. Box 2815  
2020 L Street  
Sacramento, CA  
95812-2815

July 10, 1997



Pete Wilson  
Governor

Secretary for  
Environmental  
Protection

Carl Griffin  
Healy Systems, Inc.  
17 Hampshire Drive  
Hudson, New Hampshire 03051

Dear Mr. Griffin:

#97-07

Healy Model 1301 and Model 1302 Fuel Flow Limiters.

On October 9, 1996, you requested California Air Resources Board (CARB) approval for the Healy Model 1301 and 1302 flow limiters. These devices are designed to limit the dispensing rate of gasoline to 10 gallons per minute (GPM) at any pressure up to 50 psig.

The Healy model 1301 and 1302 flow limiters can be utilized on vapor recovery systems employing inverted coaxial hoses. This device consists of an inner line for returning vapors to the storage tank and the outer portion is designed to restrict fuel flow rates to below 10 GPM at pressures up to 50 psig. The unit is installed between the dispenser outlet and within the hose assembly. The model numbers differ only in the direction of fuel flow in relation to the male/female threaded ends of the units. In the model 1301, the fuel flow is from the male to the female end and in the 1302, the fuel flow is from the female to the male end. The flow limiter model number designations are as follows:

- 1301 - Inverted coaxial Healy hose assemblies.
- 1302 - Inverted coaxial Healy hose assemblies
  
- 1301M - Metric thread hose ends (M34) for use with non-Healy inverted coaxial hose assemblies.
- 1302M - Metric thread hose ends (M34) for use with non-Healy inverted coaxial hose assemblies.

The flow limiter shall be installed in accordance with the manufacturer's instructions and all applicable codes. The component shall be marked with the following: the manufacturer's name, the date of manufacture and direction of flow. The Listing Mark shall be a UL approved adhesive backed label.

As required by the certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approvals of the three State agencies is a precondition to certification by the Air Resources Board. The appropriate letters of approval have been received and are listed as follows:

-Department of Food and Agriculture,  
Division of Measurement Standards  
August 30, 1995.

-Department of Occupational Safety and Health  
October 29, 1996.

-Department of Forestry and Fire Protection  
Office of the State Fire Marshal  
Certification # 005:027:020, issued December 11, 1996

I find that the use of the Healy Models 1301, 1301M, 1302 and 1302M Fuel Flow Limiters will not adversely affect the performance of vapor recovery systems on which they are installed. Therefore, the Healy Model 1301 and 1302 flow limiters are certified for use with CARB certified Healy Phase II vapor recovery systems and the Healy Model 1301M and 1302M flow limiters are certified for use with CARB-certified, non-Healy Phase II vapor recovery systems.

If you have any questions or wish to discuss this matter further, please call Paul Thalken at (916) 445-0383 or Laura McKinney at (916) 327-1525.

Sincerely,

**INTERNET VERSION**

James J. Morgester, Chief  
Compliance Division

cc: Mr. Jim Johnston, Chairman,  
CAPCOA Vapor Recovery Committee  
Monterey Bay Unified APCD  
24580 Silver Cloud Ct.  
Monterey, CA 93940

Mr. Gary Hunter, Manager,  
CARB Compliance Assistance Section