

California Type Evaluation Program
Certificate of Approval
for Vapor Recovery Systems

For:

Vapor Recovery Pump
Vacuum Assist
Models: V01000 and V01001

Submitted by:

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Standard Features and Options

Fuel driven, magnetically coupled
Low pressure system
Automatic pressure compensation
Automatically compensates for ORVR equipped vehicles
Multi conductor cable used to supply power to electronic hose nozzle on properly equipped dispensers (Model V01000 only, see Operation on Page 2)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: June 5, 2000

Mike Cleary, Director

Saber Technologies, L.L.C.
Vapor Recovery Pump
Models: V01000 and V01001

Application: For use at retail motor fuel service stations with approved and compatible vacuum assist Stage II vapor recovery system components.

Identification: The required information is located on the side of the vacuum pump housing.

Sealing: The pump is subordinate to the measurement accuracy system and has no metrological components; therefore, provisions for sealing are not required.

Operation: The pump is installed between the dispenser outlet casting and the dispensing hose, and contains a magnetically coupled vapor rotor in the vapor line that creates a vacuum at the vapor inlet when there is flow through the liquid line.

The Model V01000 pump transmits power and signals to the Saber flow and Saber display nozzle (Certificate of Approval Number 4076(a)-94). These nozzles are designed with a message face plate display window to show price and volume.

Test Conditions: The Model V01001 was submitted for evaluation. The emphasis of the evaluation was on device design, performance, and compliance with recirculation requirements. Refueling operations were observed on 150 vehicles. The diversion of measured liquid was found to be within tolerance.

The results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2000 Edition.

Tested By: Norman Ingram (CA)