



Winston H. Hickox
Agency Secretary

Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman

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Gray Davis
Governor

October 27, 1999

Sergio M. Bravo
President, CEO
S. Bravo Systems, Inc.
6320 Caballero Boulevard
Buena Park, CA 90620-1100

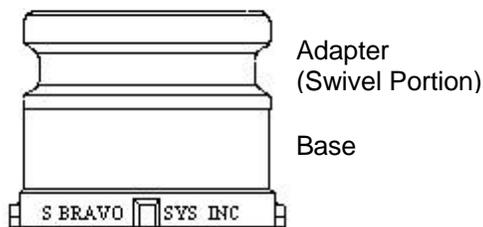
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Dear Mr. Bravo:

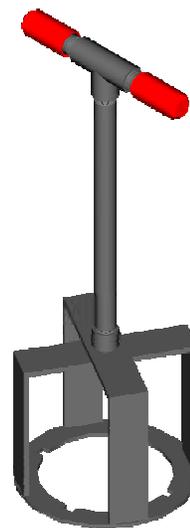
Approval of the Model B-70 B Swivel Fill Adapter

This is in response to your request for California Air Resources Board (CARB) approval of the Model B-70 B swivel fill adapter for use with two point Phase I vapor recovery systems at gasoline dispensing facilities. The swivel feature prevents loosening of the unit from, or overtightening onto, the liquid product riser pipe, which can occur during the connection/disconnection procedure of the fuel delivery lines.

The B-70 B brass swivel fill adapter assembly, illustrated below, consists of a base and an adapter. The base is tightened to the riser pipe, with a tool such as the Bravo BT-70 (depicted below), and secured with set screws. A gasket, which seats in the base, compresses to ensure that a tight seal is created with the lip of the drop tube. When torque is applied by movement of the drop hose and elbow, the adapter portion will rotate while the base remains in place.



Bravo B-70 B Swivel Fill Adapter



Bravo BT-70 Tool

As required by the Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approvals of the three State agencies are 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
April 26, 1999

Department of Occupational Safety and Health
April 9, 1999

Department of Forestry and Fire Protection
Office of the State Fire Marshal
March 31, 1999

I find that the use of the Bravo B-70 B swivel fill adapter, when installed in accordance with the manufacturer's instructions and the conditions listed above, will not adversely affect the performance of vapor recovery systems on which it is installed. Therefore, the Bravo B-70 B swivel fill adapter is certified for use with CARB certified two point Phase I vapor recovery configurations.

If you have any questions or wish to discuss this matter further, please call Ranjit Bhullar at (916) 323-7370 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 93940-6536