Air Resources Board

Alan C. Lloyd, Ph.D.
Chairman
2020 L Street • P.O. Box 2815 • Sacramento, California 95812 • www.arb.ca.gov

Winston H. Hickox
Agency Secretary

Gray Davis
Governor

April 21, 2000

Sergio M. Bravo
President, CEO
S. Bravo Systems, Inc.
2929 Vail Avenue
Commerce, CA 90040-2615

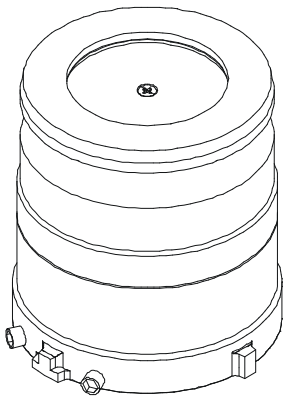
00-03

Dear Mr. Bravo:

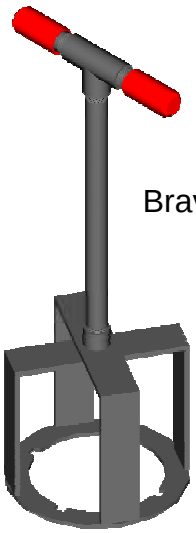
Approval of the Model B-75 Phase I Swivel Vapor Adapters

This is in response to your request for California Air Resources Board (CARB) approval of the Model B-75 A and Model B-75 B swivel vapor adapters for use with two point Phase I vapor recovery systems at gasoline dispensing facilities. The difference between the two models is the Model B-75 A is aluminum and the Model B-75 B is brass. The swivel feature prevents loosening of the unit from, or over-tightening onto, the vapor riser pipe, which can occur during the connection/disconnection procedure of the vapor return line.

The B-75 swivel vapor adapter assemblies, 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 setscrews. A gasket, which seats in the base, compresses to ensure that a tight seal is created with the lip of the riser pipe. When torque is applied by movement of the vapor hose and elbow, the adapter portion will rotate while the base remains in place.



Bravo B-75 Swivel Vapor Adapter



Bravo BT-70 Tool

As required by the Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations, the approval of the Department of Occupational Safety and Health agency is a precondition to certification by the Air Resources Board. The appropriate letter of approval has been received and is listed as follows:

Department of Occupational Safety and Health
Feburary 18, 2000

I find that the use of the Bravo B-75 swivel vapor adapters, 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-75 swivel vapor 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 do not hesitate to telephone R. Neil Nipper at (916) 324-7343.

Sincerely,

Signed copy on file

James J. Morgester, Chief
Compliance Division

Cc: Larry F. Green, CAPCOA
Steward J. Wilson, CAPCOA
Bill Dillon, SBAPCD
David Schott, MBUAPCD
Jim Johnston, MBUAPCD
Terry Dutton, SDAPCD
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Richard Sommerville, SDAPCD
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