



Cal/EPA

California
Environmental
Protection
Agency



Air Resources Board

P.O. Box 2815
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Sacramento, CA
95812-2815



Pete Wilson
Governor

Secretary for
Environmental
Protection

July 17, 1997

Donald L. Leininger, P.E.
Technical Liaison Manager
OPW Fueling Components
P.O. Box 405003
Cincinnati, OH 45240

Dear Mr. Leininger:

#97-08

OPW Model 43-IS Inverted Coaxial Hose Swivel

On July 12, 1996, you requested California Air Resources Board (CARB) approval for the OPW Model 43-IS Inverted Coaxial Hose Swivel. The 43-IS swivel is designed for installation between the nozzle and hose end. The swivel has two planes of rotation to reduce the effort of handling the nozzle and hose during the refueling operation and to reduce torsional stresses on the hose assembly. The swivel is equipped with M34 x 1.5 inlet and outlet threads for use with inverted coaxial vapor recovery hoses. The inner passage is designed to handle the transmission of vapors to the storage tank and the outer assembly is designed to handle liquid gasoline.

The manufacturer's trademark "OPW" shall be molded into the casting. Units assembled at the Strathroy and Pride Cast Metals locations shall have the letter "C" or "P", respectively stamped on the body. The UL Label or California State Fire Marshal's label shall be affixed to the body of the swivel. The flow limiter shall be installed in accordance with the manufacturer's instructions and all applicable codes.

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.

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-Department of Occupational Safety and Health
May 30, 1997.

-Department of Forestry and Fire Protection
Office of the State Fire Marshal
Certification # 005:008:057, issued June 30, 1997.

I find that the use of the OPW Model 43-IS inverted coaxial hose swivel will not adversely affect the performance of assist vapor recovery systems on which it is installed. Therefore, the OPW 43-IS inverted coaxial swivel is certified for use with CARB-certified assist Phase II vapor recovery systems where inverted coaxial vapor recovery hose is used where maximum mobility of the nozzle is desired.

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