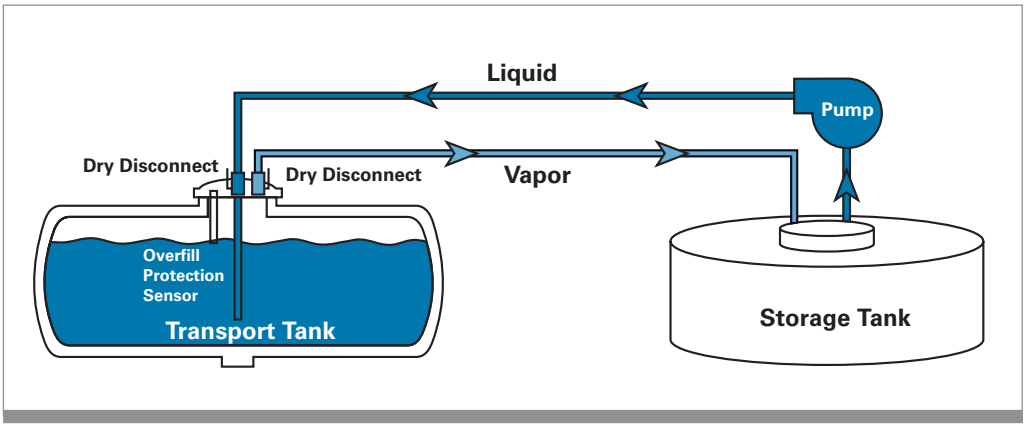
KAMVALOK® APPLICATIONS

OPW Engineered Systems Kamvalok® Couplings and Adaptors Provide For Total Closed-Loop Loading Capabilities.

- Kamvalok® Dry Disconnect Couplings and Adaptors
- D2000™ Vapor Recovery Couplers
- Tank Trailer, Tank Car, IMO, and IBC Dry Disconnect Adaptors
- Autolok®/Kamlock® Quick Couplings



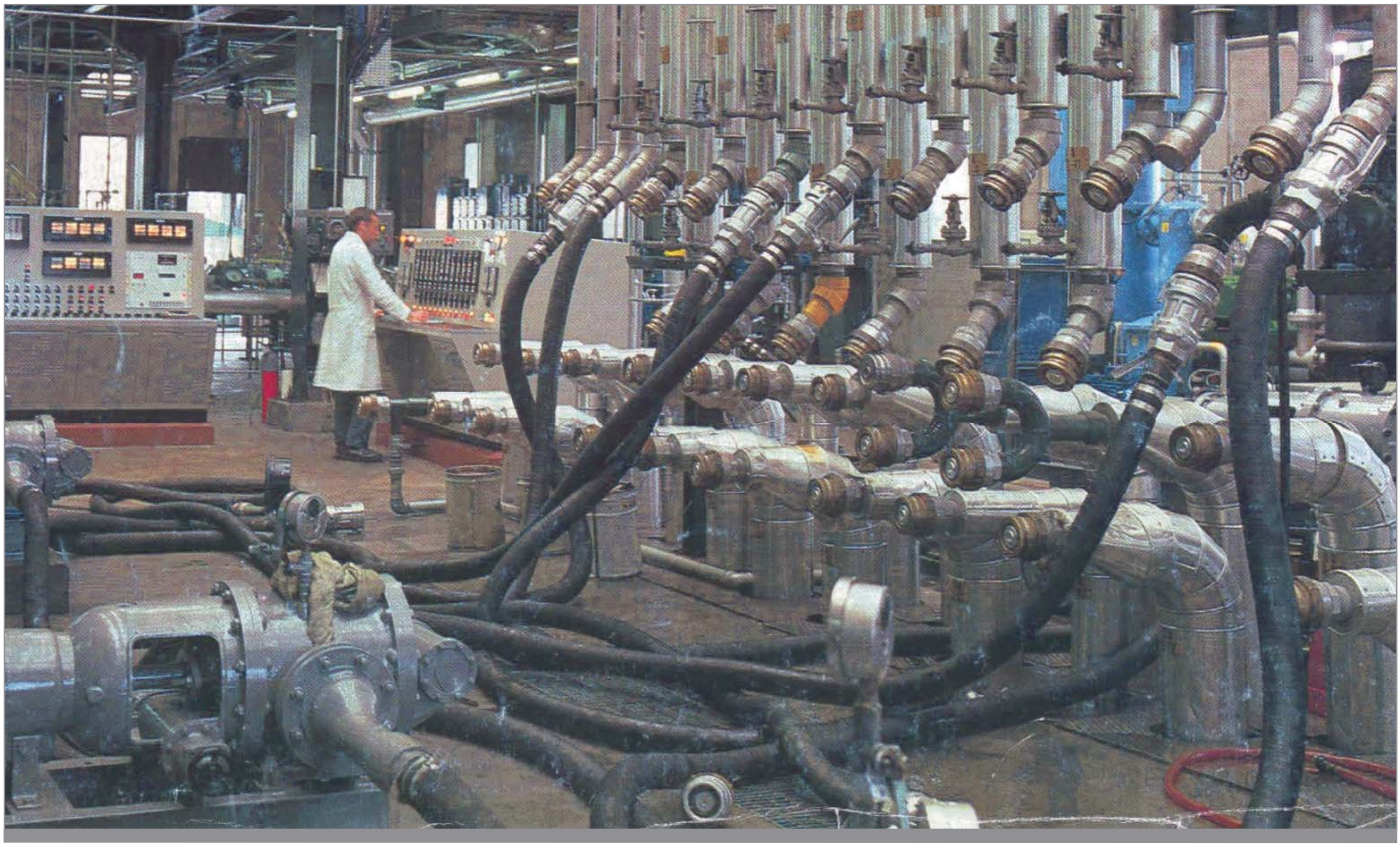
The benefit of closed-loop loading is that it protects people and property from dangerous and costly exposure by keeping hazardous liquids and vapors in-line and out of the environment. Closed-loop loading can help you meet the guidelines of responsible product stewardship and be in compliance with the Clean Air Act, SARA TITLE III, OSHA, and other regulations.

OPW Kamvalok® components allow you to create closed-loop configurations on railcars.

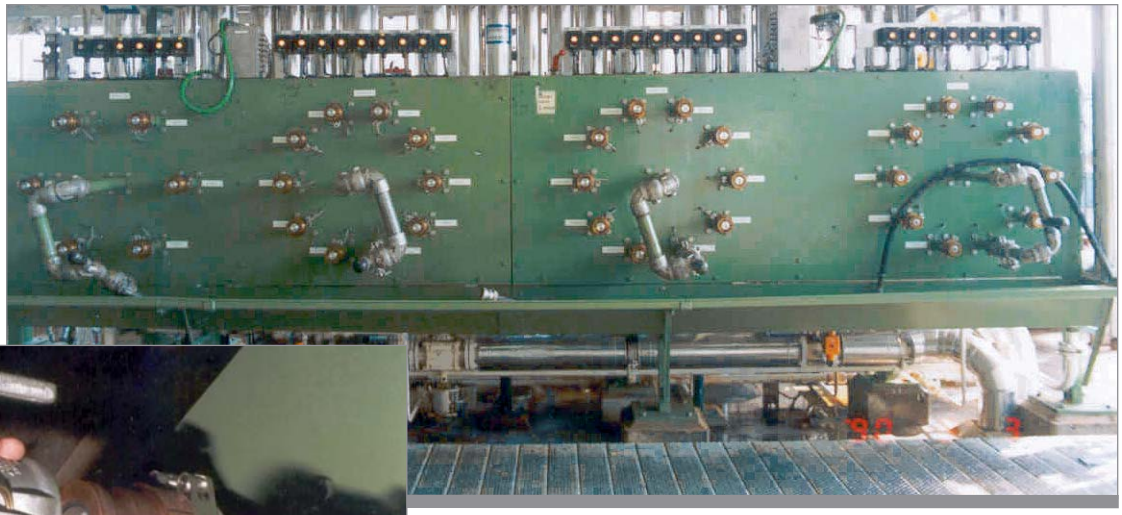
Genuine OPW Kamvalok® Dry Disconnect Couplings help prevent product loss from routine and accidental uncouplings.

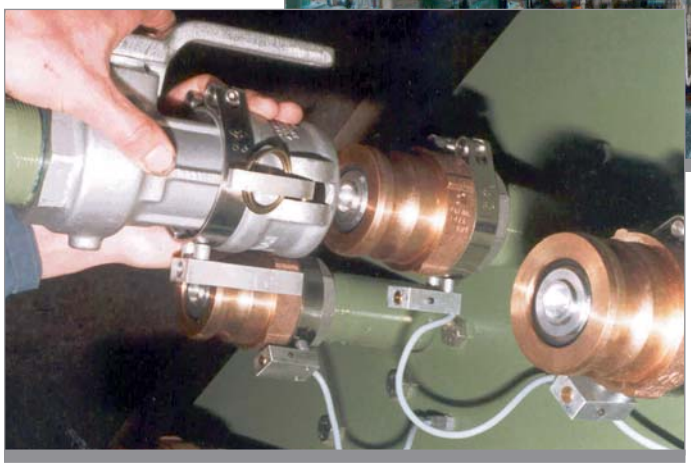
Through OPW's global distribution network, IMO users can create closed-loop systems using authentic OPW Kamvalok® products.

Major shippers of hazardous liquids choose specially designed fittings from OPW when converting tank car fleets.



Kamvalok® couplings and adaptors are specifically designed to automatically shut off in the event of an accidental disconnection of the coupling and adaptor. Kamvaloks® are used at transfer points where product loss is unacceptable, such as at this lube oil blending facility. Reliable and easy to operate, Kamvaloks® virtually eliminate spillage of any residual liquid contained in transfer lines after disconnection.





Kamvaloks® are very popular in custom blending operations because of their high reliability and ease of use. In major blending operations, OPW Kamvalok® couplings are commonly used in conjunction with the OPW rotary manifold system. As shown in the inset photo at a major petrochemical plant, the Kamvalok® couplings and adaptors are outfitted with interlock sensors to ensure against cross-contamination during the blending process.

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