

L.P.G. ADAPTERS CONNECTORS (ACME ADAPT)

Applications:

These adapters are intended to be attached to the LP-Gas delivery truck hose outlets. They feature minimal flow restriction which allows for fast delivery while providing an integral check valve to prevent further product loss if the tank fill valve fails to close. In the event the tank fill valve should fail, leave the fill adapter connected to the fill valve and disconnect the filler hose end valve. Then place the filler valve cap onto the fill adapter. The tank fill valve should be repaired immediately.

Nature of Warnings

Although warnings should regularly be as brief as possible, factors involved in filler valve and filling valve failures are very complex. These factors need to be fully understood so that proper procedures and maintenance can be implemented to prevent accidents. In its stripped-down form, the simplest possible warning would be:

Loosen filler valve from filling valve very slowly. If there is a leak, know the procedure(s) to follow.

This bulletin will not cover all safety procedures regarding the installation, operation, and maintenance of LP-Gas systems, and regarding filler valves and adapters.

Hose End Filling Valves with Acme Connectors

When reeling the hose, never let the hose end valve be dragged over the ground, dropped or banged into the truck. If dragged, hose end valves could open accidentally or be damaged. Dragging will cause accelerated/abnormal wear and eventual valve failure, and foreign material will become lodged in the connector, causing failure of the filler valve. Follow this procedure on every filling application in order to prevent hazardous conditions:

- Wear gloves and eye protection at all times.
- Check hose end valve and filler valve for foreign materials and, if present, remove with extreme care. If foreign material cannot be safely removed, do not proceed with filling and replace valve.
- Make sure the Acme connector easily spins on by hand.
- If a leak is detected when filling is started, immediately stop the operation and follow procedures to correct the leaking condition.
- After filling, bleed the gas trapped between the filler valve and the hose end valve by (a) using the vent on the hose end valve or (b) slightly loosening coupling nut to vent the gas before disconnecting. If the gas does not stop venting, then there is a leak in the filler valve or hose end valve. Do not disconnect filling connector. Follow your company procedure for handling this hazardous situation. Make sure your company has such a procedure.

General Warning

These products are mechanical devices that are subject to wear, contaminants, corrosion, and aging of components made of materials such as rubber and metal. Over time these devices will eventually become inoperative. The safe service life of these products will reflect the environment and conditions of use that they are subjected to. Regular inspection and maintenance is essential. These are products that have a long record of quality and service, yet LP-Gas dealers may forget hazards that can arise from using aging devices that have outlived their safe service life. The length of a device's life reflects the environment in which it is used, and the LP-Gas dealer knows better than anyone about this environment. There are developing trends in state legislation and proposed national legislation making the owner of products responsible for replacing products before they outlive their safe service life. LP-Gas dealers should be aware of such legislation as it affects them.