

## User Information Sheet 017

### Use of clips to secure vapour phase LPG hose and tubing to BS3212 and EN1763 to end fittings

UKLPG has become aware of an incident caused by vapour phase LPG hose or tubing being used without being secured by suitable clips which has then become detached from the end fittings resulting in a fire and serious injury.

UKLPG re-emphasises that vapour phase LPG hose and tubing should never be used unless it is properly secured to its end fittings by appropriate clips.

Hose or tubing with an internal diameter of 8mm or greater and operated at a pressure of up to, but not exceeding, 50mbar may be secured using either crimp clips or swaged fittings or worm drive clips.



- Only crimp clips of the correct size for the hose or tubing should be used



- Worm drive clips should secure the hose or tubing but not be over tightened

Hose or tubing with an internal diameter of less than 8mm and hose operated at a pressure exceeding 50mbar should always be secured by crimp clips or swaged fittings. Worm drive clips should not be used.

Hose and tubing does not generally have a time limited in-service life\* but it is essential that LPG hose/tubing and end connections are regularly inspected and replaced if showing signs of:

- Physical damage such as - cuts or abrasion, cracking, stretching, flattening, kinking and, where fitted, missing/worn sealing washers, damaged cylinder connections;
- Environmental deterioration such as - stiffening, cracking, de-lamination of outer covering, chemical degradation i.e. softening of outer coating by contact with oil ;
- Hose service failure such as - blistering, soft spots, rupture and, for pre-assembled end fittings, corrosion or loosening of swaged fittings attaching hose.

\*Hose fitted to cabinet heaters should be replaced after 5 years service.

**If in doubt consult your LPG dealer**  
(see "bottled gas" in your local yellow pages for addresses)