

## ARK 19 Mod. 2

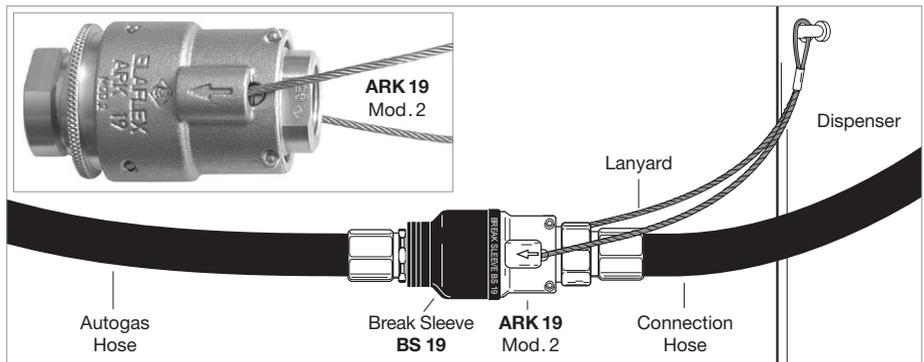
### Reusable Break-Away Coupling for Autogas Hoses

ELAFLEX **ARK** is a break-away coupling designed to seal off the outflow of L.P. gas in the event of a drive-off incident. As a 'Hose Break' it is mounted in between the short connection hose and the long Autogas hose and fixed with the lanyard to the dispenser or to a fixing point (e.g. stanchion). The fastening shall be designed for a higher strain than the max. separation force.

Before delivery each **ARK** is tested regarding the break-off and tightness under pressure. This is documented by the factory date.

When the Autogas hose is pulled with a force of 200 - 500 N, the coupling separates, independently of the inner pressure. Integrated valves on both sides immediately stop the flow; only approximately 9 cm<sup>3</sup> L.P. gas will flow out.

The flexible break sleeve **BS 19** helps to avoid tampering and protects the break-away part against damage of the sealing surfaces.



### INSTALLATION INSTRUCTIONS

The assembly at the dispenser must only be done by authorised service personnel. It must be safeguarded that the short connection hose and the lanyard are fixed in such a way that the coupling can separate in any possible drive-away direction.

Push break sleeve **BS 19** back. Fasten ARK in correct assembly direction between the hoses. To ease the assembly (e.g. for M30 x 1,5L fittings) the coupling may be separated by pushing the sliding sleeve.

After assembly switch on the pump and check the system for tightness.

Then push the break sleeve over the ARK until it latches.

## REASSEMBLY AFTER SEPARATION

This work must be completed by authorised personnel.

- (1) Switch off pump. Check for damages of dispenser, hose and nozzle.  
The reassembly can take place under pressure.
- (2) Push break sleeve **BS 19** back over the break-away part and hose fitting.
- (3) Clean all ARK 19 parts and check them for damages like damaged sealing surface of the break-away part, deformations, broken plastic parts or damaged lanyard. With such damage the coupling must be exchanged. Except for the visible O-ring no spare parts are supplied. The body and break-away part shall not be separately replaced or substituted.
- (4) Slightly lubricate the O-ring within the body.
- (5) Push back the sliding sleeve of the body and hold it.
- (6) Fit the break-away part into the body. No force is necessary.
- (7) Release the sliding sleeve - it remains in its position. Now push in firmly the break-away part until the limit. The sliding sleeve will snap back.
- Check the coupling for tightness.
- (8) Push break sleeve **BS 19** over the ARK and let it snap in.
- (9) Switch on pump.

