
Risk Element

- Eye injury;
- Refrigerant Burn injury;
- Asphyxiation.

Precautions to Eliminate/Reduce Risk

- Use of correct personal protective equipment i.e. safety glasses / goggles and gloves;
- Read COSHH and technical information on substances before proceeding.

Safe Working Method

- Works to be carried out in conjunction with COSHH and J & E Hall technical information section 5;
- An electronic leak detection unit;
- A chemical dye in system (subject to manufacturers approval);
- Fluid (Soap Solution) either painted or sprayed on.

Electronic Unit

- There are no foreseeable risks involved in using this type of unit for leak detecting purposes, but all Health and Safety rules must be applied when using it.

Chemical Dye

- There are no foreseeable risks involved in using this type of unit for leak detection purposes but all Health and Safety rules must be applied when using it. (May not be allowed in a hazardous area);
- Before handling the chemical dye, read the manufacturers COSHH assessment data and employ whatever recommendations are specified with regard to handling and inhalation.

Fluid (Soap Solution)

- There are no foreseeable risks involved in using this type of unit for leak detection purposes, but all Health and safety rules must be applied when using it;
- If the fluid has to be applied in the proximity of any electrical connections, then care must be taken to ensure that no fluid is allowed to reach these connections.

Updating the Plant Log Book

The plant logbook then must be completed as follows and signed:

- Date of leak check;
- Operatives name and certification ID number;
- Type of refrigerant;
- Leak checking procedure used;
- If repairs carried out and date;
- Weight of refrigerant recovered from the system for recycling;
- Weight of refrigerant charged in to the system.