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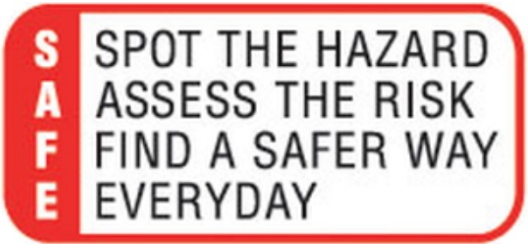

Risk Element

- Refrigeration leakage;
- Electrocution;
- Explosion;
- Asphyxiation.

Precautions to Eliminate/reduce Risk

- Isolate all electrical equipment before adjustment or investigation;
- Make sure all safety controls are set and proved before plant is operational;
- Make sure all hand shut valves are open before plant is switched on electrically.

Action in an Emergency

- Ventilate area;
- Extinguish all naked flames;
- Isolate all electrical systems;
- Wear correct personal protective equipment.

Safe Working Method

- Where appropriate, this work should be carried out in conjunction with/or by a competent Electrical Engineer;
- Complete pre commissioning check list & check compressor oil level & temperature is correct;
- Check installation wiring is correct;
- Do a dry run on the electrical control circuit with the compressor fuses removed to ensure the controls are set to the correct values and are connected in the correct sequence;
- Where possible check operation of safety devices prior to operation. Operate the compressor and monitor suction and discharge pressure / temperature, oil pressure / temperature / return / level and system running amps, checking compressor loading / unloading operation;
- Regularly check oil level in compressor crankcase;
- Do not allow suction and discharge pressure to rise or fall outside the application range;
- Check electrical current at regular intervals to make sure plant is operating within application limits;
- Check expansion valve superheats;
- Adjust finally all safety pressure and temperature controls;
- Check rotation and retention of fan motors;
- Final leak test;
- Log all final settings of controls. Log all final amperage of electrical equipment;
- Instruct personnel in the operation of the equipment.