

## **Refrigerant Recovery & Evacuation Point**

As part of an R22 replacement project 5 No. Hitachi chillers fitted with 2 No. pressure relief valves per circuit were required to be evacuated of their refrigerant.

To comply with Regulation 3 section 5 of the Pressure System Safety Regulations, all the pressure relief valves have to be removed for testing. Although there is an isolation valve fitted to the relief valves, a small reservoir of refrigerant remains trapped between the relief and isolation valve. Under the normal procedure for removal of the pressure relief valves, this refrigerant would escape to atmosphere. After the safety valve had been tested and refitted, air would now be trapped within the reservoir and would enter the refrigerant circuit when the isolation valve was opened.

### **The Solution**

To avoid this, a small modification has been made with the introduction of a Refrigerant Recovery & Evacuation Point. By introducing this it enables the trapped refrigerant to be recovered and the trapped air and moisture to be evacuated.



Isolation Valves



Refrigerant Recovery & Evacuation Point

### **Key Benefits**

- Prevents the loss of refrigerant to atmosphere.
- Prevents the ingress of air and moisture into the system during refitting of pressure relief valves.
- Enables the recovery of refrigerant.
- Complies with F Gas regulations.
- Enables the evacuation of air & moisture.

**Oasis Services**  
**0161 477 1003**