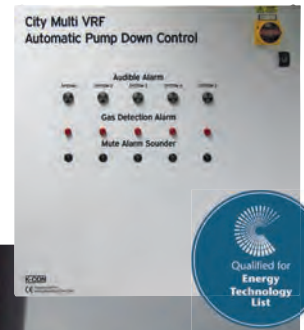


ENGINEERING SOLUTIONS - VRF Refrigerant Pump Down Package

Kooltech supply a total Refrigerant gas Detection Package designed to detect any leaks and to communicate with the Mitsubishi Electric City Multi VRF systems to enable localised pump down to the outdoor unit. This product helps safeguard against refrigerant levels exceeding permitted concentration levels and react effectively in the event of any leaks.

- Can help to achieve recognition within BREEAM*
- Detectors designed to meet F-gas EN378 regulation & ECA approved[†]
- Ideal for hotel, office and residential applications



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Kooltech supply a total Refrigerant Gas Detection Package which is ideal for use in applications where leak detection and localised pump down would prove beneficial, such as hotel, residential and sustainable buildings.

Manufactured to the highest standard, the Refrigerant Detection and Pump Down System can also assist in the design of modern, sustainable buildings and can help to achieve recognition within BREEAM.* The Kooltech Refrigerant Gas Detection System enables refrigerant to be pumped down to the Mitsubishi Electric City Multi R2 VRF outdoor unit wherever a leak is identified in a monitored area.

Packages are available to suit up to 8 outdoor units. The packages consist of:

- High and low pressure isolation valves (applicable to outdoor model)
- Pump down control panel
- Detectors
- On site commissioning

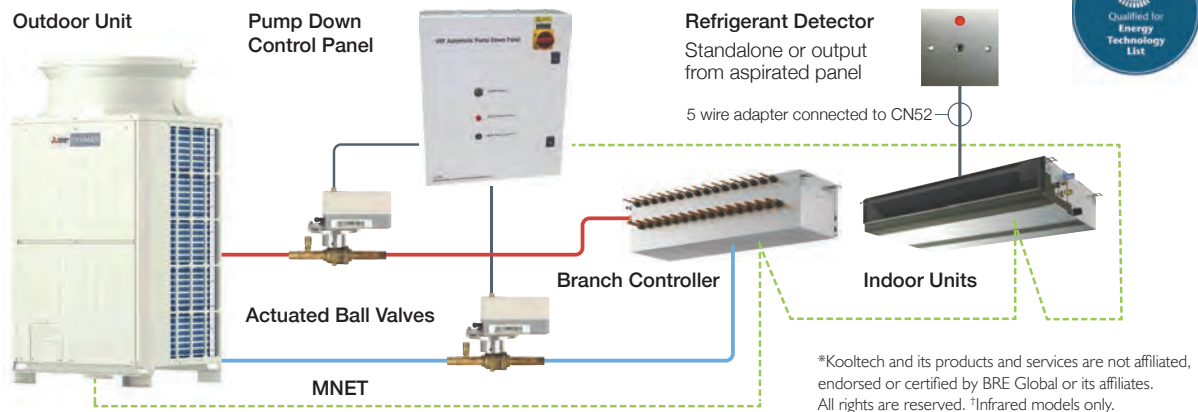
Each system will be individually designed by our application engineering team. Equipment selection criteria includes the number of rooms to be monitored and the number of outdoor units.

Available options:

- Weatherproof housing for valves installed near outdoor unit
- Valves can be fitted to the BC Box
- Pump Down control panel can be integrated with other Mitsubishi interface controls e.g. AE-200

The Pump Down Package system is compliant with F-Gas EN378 regulation where refrigerant concentration levels within occupied areas could exceed practical safety limits of 0.44kg/m³.

Refrigerant Gas Detection with City Multi VRF Automatic Pump Down Installation Example:



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