

VRF 1: HEAT PUMP AND HEAT RECOVERY VRF SYSTEMS INSTALLATION

This course is aimed at the employees of our industry partners who are responsible for the installation of large VRF projects. The course is designed to give the attendee a full working knowledge of the requirements for installing Panasonic VRF heat pump and heat recovery systems. To include the following:

- VRF Product range overview
- An explanation of both 2 pipe and 3 pipe VRF operation
- VRF installation procedures to cover the following
 - (a) Positioning the outdoor unit
 - (b) Installing the refrigeration pipe work
 - (c) The use of dry nitrogen during hot works
 - (d) Installing control cabling
 - (e) Pressure testing completed pipework
 - (f) Evacuating the complete system
 - (g) Calculating the extra refrigerant charge
- Basic commissioning requirements
- Basic fault-finding on VRF systems

This course will be run over one full day at our Bracknell Pro Academy and all attendees should be fully F-Gas registered.



VRF 2: IN DEPTH COMMISSIONING PROCEDURES FOR PANASONIC VRF SYSTEMS

This course is aimed at the employees of our industry partners who have successfully completed VRF 1. This course will cover in-depth commissioning procedures focusing on system operational control. The course will include an explanation of the following:

- Detailed explanation of VRF system operation
- VRF refrigerant system operation
- VRF capacity control
- Head pressure control
- Defrost control
- Oil return control
- SVK operation
- Advanced detailed setting menu
- Using the standard remote controller as a service tool
- Connection of system controllers, basic and LCD touch screen models
- An explanation of other available controls for connection to BMS systems



The course will be run over 1 day at our Bracknell Pro Academy. All attendees should be fully F-Gas registered and must have already completed the course VRF 1.