

SPLIT SYSTEM SELECTION, INSTALLATION AND COMMISSIONING

This course is aimed at employees of our industry partners involved in the installation/commissioning of split systems in the capacity range 2.5 Kw-25Kw. On completion of the course, attendees will have a full knowledge and understanding of the following:

- Split system selection
- Refrigeration installation procedures
- Electrical installation procedures
- Commissioning procedures including
 - (a) Pressure testing requirements
 - (b) Electrical testing
 - (c) Operational testing
 - (d) Drainage testing
 - (e) Installing optional controls
 - (f) Instructing the customer in the use of the system
 - (g) System maintenance requirements
 - (h) Servicing and fault-finding

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



VRF SELECTION AND DESIGN

This course is aimed at the Design Engineers and Contract Managers who either design or manage the installation of large VRF projects. The course is designed to give the attendee a full understanding of the operating characteristics of Panasonic VRF systems and their associated indoor units. The course will include an explanation of the following:



- Basic VRF operating principle both 2 and 3 pipe systems. To include:
 - (a) An explanation of the different components of a VRF system outdoor unit and their functions
 - (b) An explanation of the operation of the VRF Refrigerant system
- An explanation of the Panasonic electric VRF range of products - both 2 pipe heat pump and 3 pipe heat recovery systems. To include:
 - (a) An explanation of the different types of indoor units available
 - (b) An explanation of the different types of outdoor units available
 - (c) An explanation of outdoor unit possible combinations and limitations
- System Design using the Panasonic VRF design software, focusing on:
 - (a) Unit selection
 - (b) System capacity adjustments for extended pipe work and elevations
 - (c) Corrected capacity based on design conditions and ambient conditions
 - (d) Piping limitations
 - (e) How extra refrigerant charge affects room refrigerant limit density relating to EN378

The course will be run over one full day at our Bracknell Pro Academy or, by prior arrangement, on site or in the client's office or training room. All attendees will require their own laptop computer.