

GHP 1: GHP OPERATION AND INSTALLATION PROCEDURES

This course is aimed at the employees of our industry partners who are responsible for the installation of large GHP VRF projects. The course is designed to give the attendee a full understanding of the operating characteristics of Panasonic GHP VRF systems. The course will include an explanation of the following:

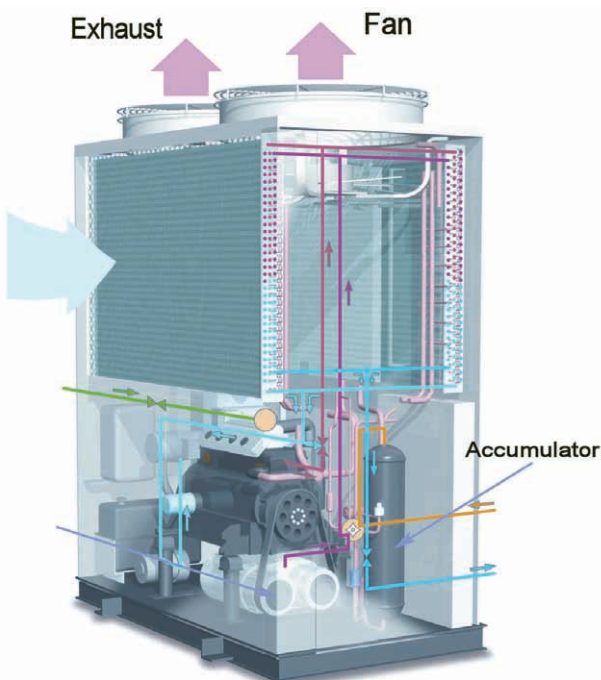


- GHP Product range overview
- A brief explanation of both 2 pipe and 3 pipe GHP operation
- GHP installation procedures to cover:
 - (a) Positioning the outdoor unit
 - (b) Refrigeration pipe work installation
 - (c) Control cable installation
 - (d) Fuel gas pipe work installation
 - (e) Condensate drainage from the outdoor unit
 - (f) Requirements for the positioning of the exhaust gas pipe work if required
- Installation and connection of all indoor units
- Pressure testing the GHP system
- Evacuating the GHP refrigeration system
- Basic GHP commissioning procedures
- Basic fault-finding on GHP systems, focused on common faults associated with the commissioning procedure

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

GHP 2: IN-DEPTH COMMISSIONING PROCEDURES

This course is aimed at the employees of our industry partners who have completed GHP 1 and who are involved in commissioning GHP VRF systems. The course is designed to give the attendee a deeper understanding of GHP operation and the requirements for commissioning the entire GHP system. The course will include an explanation of the following:



- Detailed explanation of the operation of the GHP engine system including the following:
 - (a) GHP refrigerant system operation
 - (b) GHP compressor operation and capacity control
 - (c) Head pressure control
 - (d) Oil return control
 - (e) Engine capacity control and operation
 - (f) Detailed explanation of the engine coolant water system
- SVK operation
- Advanced detailed setting menu explanation
- 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
- GHP outdoor PCB menu operation
- Introduction to GHP 10,000 hour service procedure

The course will take place over 1 full day at our Bracknell Pro Academy. All course attendees should be fully F-Gas registered and have successfully completed the GHP 1 course.