

HAMWORTHY TRAINING COURSES



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For more information about any of the courses and seminars in this brochure please speak to your Hamworthy Area Sales Manager.



SCAN
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HAMWORTHY HEATING



Hamworthy Heating is a British commercial heating and hot water products manufacturer.

Our energy efficient commercial heating, hot water, and renewable energy products are used in buildings across the UK with trusted expertise since 1914.

Armed with everything from market-leading commercial gas boilers, DHW heaters and commercial heat pumps we provide the right heating technology to help the UK on its journey to decarbonisation.

Working closely with our Expert Academy whose full-time training managers offer a wide range of comprehensive courses, which can be customised for individual installation and servicing companies.



CIBSE APPROVED CPD SEMINARS

We can offer our CIBSE approved CPD seminars online, or in person – at our site or yours.

Our flexible approach means that we are able to tailor our training to suit your business. Each CPD seminar typically lasts 45 minutes to 1 hour. A lot of our customers choose to run these at lunchtime so that there is minimal disruption to the working day.

- **Introduction to heat pumps – technology and principles**

Heat pumps will play a major part in the future of commercial heating and hot water in the UK. Learn about the technology and principles behind heat pumps to help you with your system design and specification.

- **New boilers on old heating systems: hydraulic design**

Understand the hydraulic design options available when installing new boilers on old heating systems.

Learn the difference between open and closed heating systems and how to choose the best method of separating the primary and secondary circuits.

- **Boiler controls – unwiring the jargon**

Get to know the terminology used in controls and how best to setup your boilers for highest efficiency and performance.

- **Best practises in domestic hot water (DHW)**

Bring your DHW knowledge up to date with this 3 part presentation. The 'pick & mix' nature of this training means you choose which areas you want to learn about from the 3 available modules. Topics include DHW sizing, safety and legislation. If you're involved in the management of hot water in commercial buildings, this is the one for you.



NEW!

Considerations for commercial ASHP selection, specification and system application

This CIBSE approved CPD seminar builds on our Introduction to commercial heat pumps – technology and principles course to guide you through selection and specification of the right heat pump and/or heating system for your customers requirements and expectations.



Book now

Please speak to your Area Sales Manager to discuss booking one of our CIBSE approved CPD seminars



DID YOU KNOW WE OFFER PROJECT SUPPORT

Our **free site survey** brings the experts directly to you.

After a thorough analysis of the plant room and an understanding of your requirements, you'll receive recommendations for ways you could change the plant room for the better.

Scan here
to book a
site visit



EXPERT ACADEMY

EXPERT ACADEMY

What we offer

Our Training Managers

Your training manager has extensive experience and qualifications that span across the heating and gas industries. Working closely alongside our product managers, research and development departments and national network of service engineers, they will provide insights and technical information unavailable elsewhere.

We also invest in developing their training techniques and skills so that you benefit from the best possible training experience. Our courses utilise modern training techniques to help you best retain knowledge, build skills and enjoy the experience.

Our Facilities

Our Expert Academy Training centres are based in Hull, Leeds and Luton. They are purpose designed buildings providing comfortable and well-equipped training facilities.

Each day you will be provided with free reserved parking, refreshments and lunch.

Digital Learning

We have 15 pieces currently of Hamworthy Digital OnDemand training content.

Our Accreditations

We are approved BPEC and City and Guilds assessment centres so you can be assured we maintain high standards of quality and consistency.

Our Services

We believe that the quality of our products can only be matched by the quality of installation, commissioning, and maintenance. For this reason, we invest in making quality training available at the lowest cost possible.

There are no catches or conditions with our low prices or free courses – they are designed to support you do what you do best in the most efficient way possible.

Training First

Good quality, technical training is our number one priority. We pride ourselves in providing you honest, balanced information. We don't do sales presentations and we certainly don't try to push anything during our training courses. We also love learning from your experiences - we are all about providing you the best quality training programme.



Expert Academy
training centre, Luton

Speak to your Training Manager during your training or your Hamworthy Area Sales Manager for more information.



COMMERCIAL AIR SOURCE HEAT PUMP TRAINING





COURSE DETAILS

An informative day designed to provide a comprehensive understanding of how a heat pump can be successfully integrated into your plantroom and controls solutions.

The day primarily focusses on the wide range of flexible wiring and programming options available from our Tyneham R32 and or HT290 heat pumps. We also cover the alternative product positioning and safety considerations across the product range.

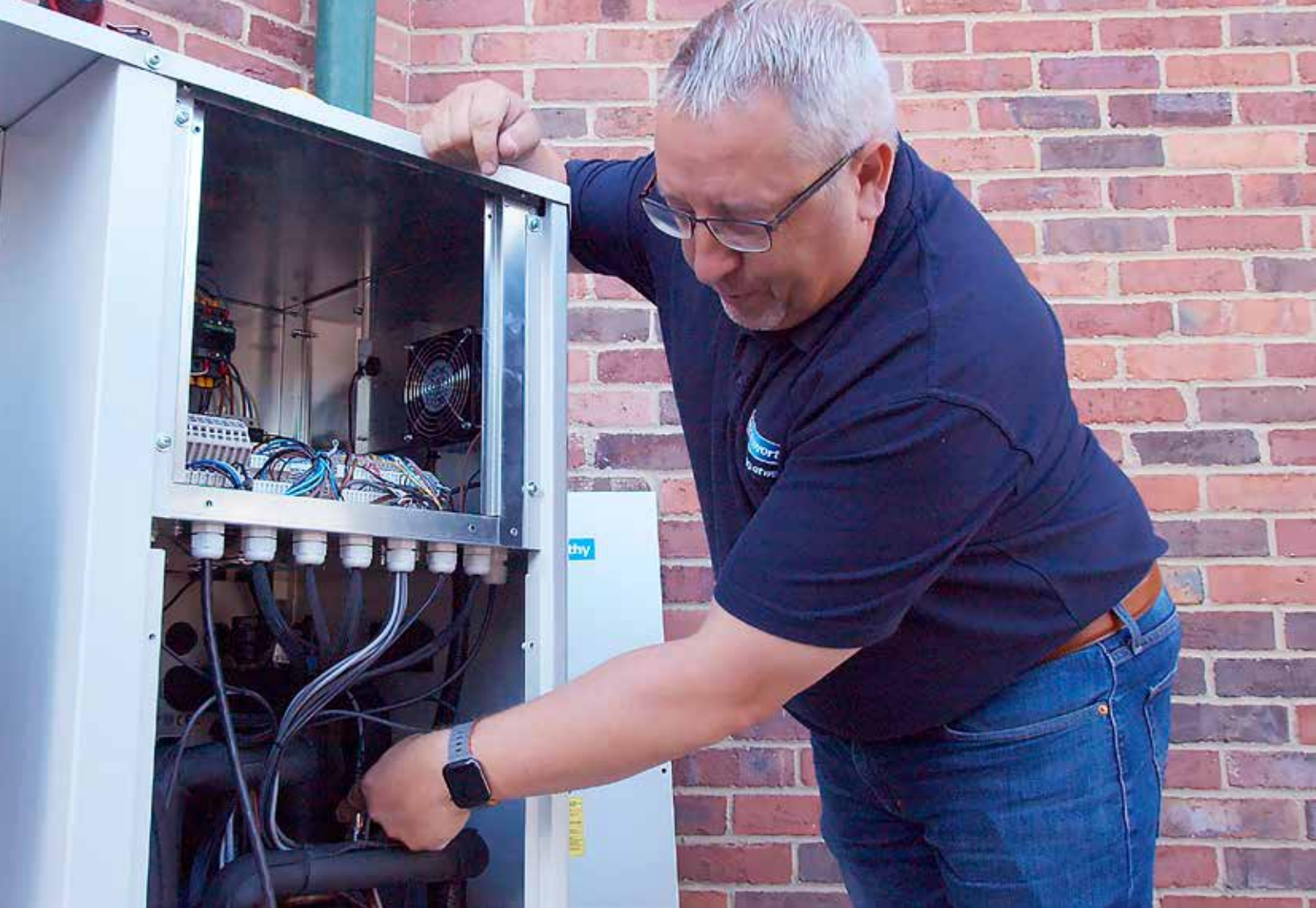
Concentrating on controls strategies such as enabling the heat pump from simple make and break contacts to utilising the latest technology to operate valves, control a hot water circuit and Hybrid setups.

We will explore differing solutions to offer as many opportunities as possible to integrate a heat pump into your existing portfolio of commercial heating spaces, looking at schematics to bring the scenarios to life.

This course is open to a range of attendees including specifiers, system designers, heating engineers and more with existing knowledge of heat pump technology.

What's included:

- > Installation requirements
- > Location/ noise considerations, structural strength, defrost & condensate disposal
- > Wiring the unit, 3 Phase supplies and getting phases correct
- > Configuration enabling, cascade, schematics, min volumes & buffers
- > Commissioning and controllers
- > Checking & adjusting flow rates, cleaning strainers & filters
- > Outside sensor to set bivalent point – add gas boiler to cascade
- > Bivalent and hybrid set up
- > Maintenance checks and trouble shooting
- > R290 considerations including Atex rated tools and safe working practices, commissioning and calibration of the R290 detectors



Who can attend

This course is suitable for those with existing knowledge of heat pump technology.

What you need to bring

All tools and equipment are provided along with lunch and refreshments throughout the day.

Book now



Visit our website to see available course dates and locations.

How to book

Visit our website to see available course dates and locations. Please speak to your Area Sales Manager to discuss options.

Price: Free

Duration: 1-day typically 9.30am – 4pm with lunch included

Locations: Leeds or Luton



COMMERCIAL GAS BOILER RANGE TRAINING





COURSE DETAILS

A comprehensive, combined 1-day programme covering many of our current commercial gas boiler product range.

This course is run over 1-day, structured in a way that allows flexibility based on attendee's experience.

The session will begin with a short presentation that provides an overview to the product range, specifications plus common hydraulic and control applications.

We will highlight the key installation and servicing requirements, including some handy hints and tips. We will always confirm with you any specific learning points you wish to focus on, this helps us personalise the majority of your training day.

Moving onto the practical training you will have the option to select from one or more of the following boilers:

- > Modumax MK3 floor standing
- > Stratton MK3 condensing wall hung
- > Purewell Variheat MK2 condensing cast iron
- > Upton floor standing modular

Based upon your experience and training requirements, you may wish to complete strip down and component removal of one or more of these appliances whilst we highlight some key service and maintenance items.

We have product instructions available for you and encourage use of these alongside the guidance we provide on the day. If you are familiar with these products there is no requirement to complete this exercise however we generally find everybody always learns or shares something regardless of their experience level

Alongside servicing and maintenance, we feature the Hamworthy controls platform. We introduce the basic navigation, parameters and logic used across the range to allow you to become confident and familiar in its use. We then move on to allow you to set up a boiler to some system configuration options. We also include some fault code navigation and resolution techniques.

What's included:

- > Product range specification overview
- > System and installation requirements
- > Commissioning and service requirements including appliance strip down service
- > Introduction to controls, configuration and fault codes

Book now

Visit our website to see available course dates and locations.



**Please note this course does not cover controls or system configuration to an advanced level. Please reference our other course options.



Who can attend

This course is designed for heating engineers who hold relevant commercial gas accreditations.

The day is flexible for varying levels of experience, whether you are brand new to Hamworthy products or are looking for some further knowledge and refresher training.

What you need to bring

All tools and equipment are provided along with lunch and refreshments throughout the day.

How to book

Visit our website to see available course dates and locations. Please speak to your Area Sales Manager to discuss options.

Price: Free

Duration: 1-day typically 9.30am – 4pm with lunch included

Locations: Leeds or Luton

ADVANCED CONTROL TRAINING

What's included:

- > Controls range specification overview
- > Optional extras including single and multiple boiler solutions

**Please note this course does not cover any specific Hamworthy appliance and is focussed on control systems. Please reference our other course options.

COURSE DETAILS

Book now

Visit our website to see available course dates and locations.



A dedicated half day programme for the Hamworthy controls range.

The session will begin with a short presentation to introduce the Hamworthy controls platform and ranges of accessories that are available as options.

We discuss how these are typically used and the advantages and disadvantages in various circumstances.

Following the introduction, the majority of the day allow you to complete a range of experimental learning exercises on the controls and products themselves.

You will be provided with a range of task sheets to work from that provide you various scenario's ranging in complexity.

You will be required to set up systems as per the task sheet whilst also identifying and overcoming errors. These exercises are designed to be a realistic to the activity you would expect to complete on site.

Our Training Manager will support and assist throughout the day. The emphasis is to support you doing the activity yourself to help embed the learning and increase your confidence.

For this reason, group sizes are limited to allow you to have the equipment available to work individually or in pairs.

Who can attend

This course is designed for heating engineers who hold relevant commercial gas accreditations.

The day is flexible for varying levels of experience but some existing prior knowledge or familiarisation with Hamworthy products and controls is useful.

What you need to bring

All tools and equipment are provided along with lunch and refreshments throughout the day.

How to book

Visit our website to see available course dates and locations. Please speak to your Area Sales Manager to discuss options.

Price: Free

Duration: Half a day

Locations: Leeds or Luton



EXPERT
ACADEMY

CERTIFIED TRAINING COURSES





BPEC HEAT PUMP SYSTEMS QUALIFICATION



The BPEC Heat Pump Systems programme is recognised as a demonstration of competence for the Microgeneration Certification Scheme (MCS).

It is aimed for those with limited or no ASHP experience, or those who may have previous experience and are now wishing to qualify against a national recognised standard.

What's included:

- > Heat pumps in context
- > How a heat pump works – principles and components
- > Insulation, heat losses and the effect of heating system design
- > Domestic hot water, buffer tanks and solar coils
- > Health and safety
- > Heat pump installation considerations
- > Maintenance troubleshooting

COURSE DETAILS

Over the duration of 3-days, this course is designed to give heating engineers the foundation knowledge required to correctly install heat pumps in line with industry best practice and guidelines.

Following the completion of this course it is recommended that you complete further product specific training for your chosen product.

Who can attend

This course is designed for practicing heating engineers or those involved in heating systems, design and specification.

What you need to bring

Passport photos, photo ID and evidence of qualifications - full details will be provided on your booking.

Attendees must have and provide evidence of the following:

N/SVQ Level 2/3 in Plumbing / Heating and Ventilation / Gas installation and maintenance or equivalent earlier qualifications.

Minimum 3-years of experience of installing wet central heating systems evidenced by Gas Safe Register, MCS, OFTEC, etc.

AND, if not included within the above qualifications' attendees must hold a valid Water Regulations / Water Byelaws qualification. You may complete these with us prior to the 3-day Heat Pump Systems course.

Those with no heating system installation experience may complete the qualification under a defined scope if they have associated industry experience such as technical sales.

You will complete the qualification the same as a heating engineer, but your qualification will be defined as limited scope within BPEC database. In practice this means you do not meet the national qualification standards to install ASHP's.

How to book

Due to the high demand for this qualification, please contact your Area Sales Manager in the first instance to register interest.

Please note minimum lead time for bookings is typically 8 – 10 weeks.

Price:

POA

Duration:

3-days, typically 9am – 4pm with lunch included

Locations:

Hull or Leeds



Visit our website to view upcoming course dates locations

BPEC WATER REGULATIONS / BYELAWS QUALIFICATION

What's included:

- > BPEC Water regulations study manual
- > In person training and guidance on the key elements of the regulations and reference material navigation
- > BPEC examination and certification fee

COURSE DETAILS



**Visit our website
to view upcoming course
dates locations**

This course is offered to those who complete a BPEC ASHP qualification with us and require this to satisfy the qualification pre-requisites.

The course is combined and approved by WIAPS, TAPS, APLUS, Watermark, Scottish Water and NI Water so suitable for candidates in nations around the UK.

The course combines a learning manual and theory presentation prior to undertaking an open book theory exam. Learning manuals cannot be provided until payment in full is received for the course.

Following the completion of this course it is recommended that you complete further product specific training for your chosen product.

Who can attend

This course is only available to those completing a BPEC Heat pump systems qualification with us.

We do not offer this qualification in isolation. Attendees must have some knowledge in plumbing and the water industry.

What you need to bring

All equipment and documentation will be provided.

How to book

This can be booked alongside our BPEC Heat Pump Systems qualification.

Due to the high demand, please contact your Area Sales Manager in the first instance to register interest. Please note minimum lead time for bookings is typically 8 - 10 weeks.

Price: POA

Duration: 1-day typically 9.30am – 4pm with lunch included

Locations: Hull or Leeds

BPEC HOT WATER STORAGE SYSTEMS (UNVENTED / G3) QUALIFICATION



This course is to help engineers who want to install vented and unvented hot water storage systems.

What's included:

- > Principles and design considerations of hot water storage systems
- > Safety
- > Regulations, standards, and guidance
- > Cylinder types and component design and operation
- > Safety controls and operating methods
- > Installation and commissioning
- > Maintenance and servicing

COURSE DETAILS

Our course has been carefully designed to give experienced heating engineers and plumbers the knowledge required to carry out all tasks relating to Domestic Hot Water Systems.

The course is structured over 1-day and is suitable for both initial entrants and those requiring re-certification.

On passing all assessments, you will receive BPEC Certification allowing you to register installations via a subscribed registration body.

This qualification is valid for 5 Years from the pass date.

During the course the equipment is available for demonstration and allow you to complete a number of tasks yourself including the identification of common faults and installation errors.

During the course the equipment is available for demonstration and allow you to complete a number of tasks yourself including the identification of common faults and installation errors.

- Training documents including a BPEC study manual
- BPEC examination and certification fee

Who can attend

You must hold a recognised trade qualification (e.g., NVQ/SNVQ Level 2 or 3 in Plumbing and Heating or similar)

OR

Have a number of years' experience in either conventional heating engineering or plumbing. (If this option applies, the candidate will need to provide a CV detailing a minimum 3 year real work experience to support the application)

OR

Currently undertaking a course in heating engineering or plumbing which will lead to a formal qualification, such as NVQ Level 3 heating and ventilation or plumbing.

What you need to bring

All equipment and documentation will be provided.

How to book

Visit our training website to see available course dates and locations. Please speak to your Area Sales Manager to discuss options.

Price:

POA

Duration:

3-days, typically 9am – 4pm with lunch included

Locations:

Hull or Leeds

Visit our website
to view upcoming course
dates and locations



CITY AND GUILDS

F-GAS 2079 CAT 1



What's included:

- > Causes and effects of global warming and climate change
- > Identify stationary RAC, and heat-pump systems components, functions and leakage risks
- > Hazards and safe working practices for the installation, commissioning, and handling of refrigerants
- > Fabricate and examine refrigerant pipework
- > Undertake pressure testing, evacuation, and record completion
- > Undertake refrigerant charging, leak charging and record keeping
- > Undertake recovery of refrigerant and oil and prepare for disposal
- > City and guilds examination and certification fees

COURSE DETAILS

A comprehensive, combined 5-day programme providing the knowledge and practical skills required to undertake leak checking, recovery, installation, service, and maintenance of heat pump equipment containing refrigerants.

Our training session will provide details on basic refrigeration systems, terminology, principles, units and how these relate to theory and thermodynamics of vapour compression and refrigerant systems.

The course is a blended mix of theory, practical demonstration, with plentiful hands-on practice for all attendees. Assessments include a closed-book online example and observed practical tasks.

On successful completion, a Level 2 award in F-Gas and ODS Regulations Category I City & Guilds 2079-1 certificate will be issued.

The qualification does not have an expiration period.



**Visit our website
to view upcoming
course dates and
locations**

Who can attend

Candidates with relevant engineering skills or working as air conditioning and heat pump system engineer and have relevant skills and knowledge.

What you need to bring

Passport photos, photo ID and evidence of qualifications - full details will be provided on your booking.

How to book

Due to the high demand for this qualification, please contact your Area Sales Manager in the first instance to register interest.

Please note minimum lead time for bookings of 8 - 10 weeks.

Price: POA

Duration: 5-days, typically 9am – 4pm with lunch included.

Locations: Hull

**British engineering excellence from Hamworthy Heating;
the commercial heating and hot water specialists.**



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**SUPPORT BRITISH
MANUFACTURING**

Hamworthy Heating Accreditations

ISO 9001 Quality Management System
ISO 14001 Environmental Management System
ISO 45001 Health & Safety Management System

Every effort has been taken to ensure the details in this guide are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information.

Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.