Dimplex®

The CPD Certification Service

CIBSE

Experience better living.

Continuing Professional Development (CPD) courses by Dimplex

CPD Courses

Part of the Glen Dimplex Group

Dimplex is proud of its role as a formative brand of the Glen Dimplex Group.

Today, the Glen Dimplex Group works across an international footprint in heating and ventilation, flame, precision cooling and consumer appliances. Headquartered in Dublin, Ireland, the Glen Dimplex Group is driven by its purpose, 'To be a leader in the transition to a sustainable world'.

Our Endorsed Brands

Ability: Ability was established in 2001 and purchased by the Glen Dimplex Heating & Ventilation group around 2015. As the UK's number one manufacturer and supplier of fan coil units, we produce around 16,000 units at our factory in Poole, in Dorset. We have full in-house acoustic and thermal labs, which you're more than welcome to come and visit. Our test engineers are on hand to answer questions and offer practical help on the test. They can assist and make recommendations for the fan coil unit installation, airflow and water flow rates and the desired acoustic performance. We're also a control specialist, so we can provide a complete control BMS system and help with integration to your head end.

SmarterDM: Acquired by Dimplex in 2022, SmarterDM is an innovative UK based software and hardware development company that delivers intuitive systems to help monitor, report and manage data in real time.

The SmarterDM wireless energy management platform helps accommodation providers to understand their spend and make significant reductions by ensuring heating systems are not running when rooms are unoccupied. Our robust and intuitive monitoring and control platform is completely wireless and gives UK businesses the tools to take their sustainability strategy to the next level.

Xpelair: With over 55 years of experience in the ventilation industry, there is a guarantee of reliability and quality built into every product. All our products are constantly monitored to ensure we meet all regulations and approvals required for a majority of applications.

The Xpelair ventilation range will support all your requirements, whether it is a one-off or a system solution. From single bathroom fans, to single room and whole-house heat recovery units, as well as commercial ventilation systems, our extensive range of products means we have an option for any specification.

Powering the future through brighter thinking

Dimplex has been bringing comfort to people's lives since the 1940s through the power of electricity and throughout those years M&E consultants and specifiers have one thing in common - a desire to find advanced solutions from someone they can trust.

Today, our principal ambition is to deliver market-defining HVAC solutions, supported by a deep-rooted and continuous investment in new ideas, modern design and ongoing innovation through Dimplex and our endorsed brands; SmarterDM by Dimplex, Ability by Dimplex and Xpelair by Dimplex.

We aim to support our customers through every step of the construction process, from the formation of HVAC strategies and product specification advice to design application guidance and installation training.

Residential and commercial expertise

Our focus is the design, development and manufacture of energy efficient, reliable heating cooling, ventilation and intelligent energy management solutions for residential and commercial buildings. We utilise our in-depth industry knowledge and experience across every sector from smart electric heating systems employing the latest control, communications and networking technologies to district heating networks encompassing heat pumps, MVHR systems and heat emitters.

Working in the public and private sectors, from regional home builders to multinational hotel chains, our commitment to customer satisfaction is matched only by the excellence of our product design and manufacture.

Continuing Professional Development

In the building and heating industry, legislation and compliance are continually changing and refining as we look to increase the energy efficiency and reduce the carbon footprint of residential buildings. At Dimplex we believe specialist professionals must be proactive rather than reactive to regularly update their skills and knowledge to stay ahead of these changes.

Our approved CPD courses

With over 70 years' experience in the HVAC sector, Dimplex is keen to assist industry professionals collect accredited hours to meet their CPD requirements. We offer a wide range of CPDs, approved through both The CPD Certification Service and the Chartered Institution of Building Services Engineers (CIBSE), delivered by trained Dimplex presenters for building service engineers, architects and building service professionals.

Who are CPD UK?

Established in 1996, The CPD Certification Service is the world's leading and largest independent CPD accreditation organisation working across all industry sectors. The CPD Certification Service evaluate further learning activities to the highest standards. CPDs are assessed and certified against the universally accepted structured checklist which The CPD Certification Service has developed over the past 25+ years.

Who are CIBSE?

The Chartered Institution of Building Services Engineers, known as CIBSE, offers accreditation for CPDs with minimal commercial bias, to offer high-standard content that's focused on technical advances and legal requirements.

Regulations and achieving compliance

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SAP 10.2: Compliance with technologies for the electrification of heat in residential buildings

CPD The CPD Certification Service

Overview:

Learn more about compliance with Part L and SAP10.2 modelling for homes, residential apartments and mixed-use developments.

We will look at the regulatory landscape today, The Future Homes Standard and explore technologies that can help deliver compliant buildings before delving into SAP10.2 modelling of various heat pump solutions.

With each heat pump technology, we will look at complimentary solutions such as emitters, controls and ventilation and what role they play in the design of healthy homes and buildings that are energy efficient and support user comfort.

The last part of this CPD presentation is dedicated to application in developments and case studies.

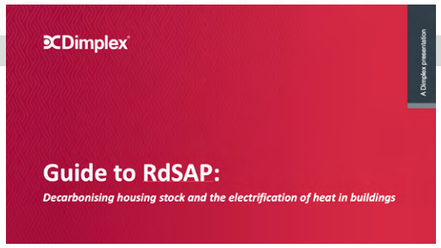
Key points:

- Understanding the current regulatory landscape
- Preparing for the Future Homes Standard
- SAP10.2 modelling of heat pump solutions for a variety of applications

Target audience:

This CPD presentation is suitable for anyone who wants to learn more about the Part L and compliant technologies and understand SAP10.2 modelling in more detail.

Duration: 1 hour



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Guide to RdSAP: Decarbonising housing stock and the electrification of heat in buildings

CPD The CPD Certification Service

Overview:

In this CPD presentation we will consider the impact of changes to Part L, F and the new EPC guidelines on specification of heating, hot water and ventilation in social housing.

We will look at the regulatory landscape today, as well as specific design challenges in this sector, especially for existing dwellings.

In the following section we will apply this to alternative fully electric technologies based on hot water heat pump technology and learn more about how they can be deployed to deliver energy efficient, comfortable homes.

We will then look at RdSAP modelling of hot water heat pump technologies and high heat retention storage heaters in a variety of dwelling types, before learning more about RdSAP inputs.

The last part of this CPD presentation is dedicated to complementary technologies, controls and ventilation, that complete the solution and deliver comfortable, healthy and energy efficient homes and buildings.

Key points:

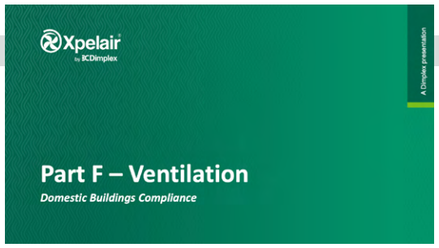
- Understanding regulatory changes
- Alternative technologies for electrification of heat
- RdSAP modelling and EPC ratings

Target audience:

This CPD presentation is suitable for anyone in the social housing sector who wants to learn more about electrified heating and hot water solutions, RdSAP modelling and EPC ratings.

Duration: 1 hour

Heating and cooling technologies



Xpelair® by Dimplex

Part F ventilation – Domestic Buildings Compliance

CPD The CPD Certification Service

Overview:

This CPD explains the need for ventilation and its link with Approved Documents, discussing the requirements of the Part F 2022 update and the three ventilation system types that are available.

For occupant wellbeing, adequate ventilation of enclosed spaces is vital. In recent years, as the airtightness of buildings has increased, it has become more difficult to ensure that homes are being supplied with enough fresh air.

A lack of ventilation can mean poor air quality, and indoor can be up to five times more polluted than outdoor air.

Key points:

- Part F and ventilation system design
- The Product Characteristics Database, its requirements and implications
- Installation and installed performance, including the declaration of compliance

Target audience:

This CPD presentation is suitable for anyone who wants to learn more about Part F and compliant technologies and better understand ventilation needs for complete domestic building compliance.

Duration: 1 hour

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Introduction to heat pumps for residential specification

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Overview:

This course is an ideal introduction to heat pumps. The presentation covers a wide range of topics including legislation, heat pump technologies and their application.

The legislation section covers Part L, Part F and Part O and their impact on the specification of heat pumps.

The technical section covers the types of heat pumps available and how they work before introducing which applications heat pumps are suitable for.

The presentation also introduces the main benefits of various heat pump technologies.

Key points:

- Familiarisation with heat pumps
- Achieving compliance with heat pumps
- Understand the relationship between temperature distribution and energy efficiency

Target audience:

This CPD presentation is suitable for anyone who needs an introduction to heat pump technology. It is aimed at architects, building service engineers and building services professionals but would also be of interest to developers and housebuilders.

Duration: 1 hour

Heating and cooling technologies

Introduction to hot water heat pump technology in new and existing residential buildings

Overview:

This CPD presentation is an introduction to fully electric hot water heat pump systems. The presentation explains the technology, its application, as well as the benefits it offers for reducing carbon emissions in a building and achieving Part L compliance.

We will look at regulations in more detail before exploring how hot water heat pump technology works. The section includes information on complimentary space heating and ventilation technologies that can help deliver complaint heating, hot water and ventilation solutions for modern homes and apartment buildings.

The CPD presentation closes with hot water heat pump technology key application considerations for effective implementation in new residential buildings.

Key points:

- Understand how a hot water heat pump works
- Understand how a hot water heat pump can benefit new and existing properties
- Understand the design considerations for specifying hot water heat pumps

Target audience:

This CPD presentation is suitable for anyone within the construction industry but primarily it is aimed at building service engineers and building services professionals.

Duration: 1 hour

Ambient loop systems for multi-occupancy residential and mixed-use buildings

Overview:

Learn more about ambient networks and how they can help increase the the energy efficiency of residential and mixed-use buildings.

We will look at the regulatory landscape, including Part L, F and O and regional requirements, including GLA (Greater London Authority), before considering how ambient network loops work. A section of the CPD presentation is also dedicated to the central plant and district heating connection.

A large proportion of this CPD presentation is dedicated to application in medium to large residential and mixed-use developments to deliver spaces heating, hot water and where intended, comfort cooling, delivery systems and complimentary technologies for ventilation and controls.

Key points:

- Ambient networks and impact on overheating reduction
- Ambient networks and energy use reduction

Target audience:

This CPD presentation is suitable for anyone who wants to develop an understanding of the benefits of ambient networks in multi-use buildings and improve their knowledge of heat pump technology.

Duration: 1 hour

Using fan coil technology to lower whole-life carbon

Overview:

This course delves into what fan coils units (FCUs) are, the different technologies and controls, and how you can use multiroom arrangements to help lower whole-life carbon on your projects.

It is well documented that the built environment is responsible for 25% of the UK's carbon emissions and that 80% of buildings which will be occupied in 2050 already exist. This shows that tackling carbon emissions must encompass both new and existing buildings. Commercial and residential Fit outs concern both new and existing buildings, therefore increasing their sustainability can make a meaningful contribution to reducing the carbon impact of the built environment.

This CPD will look at how efficiencies can be gained through appropriate fan coil specification and placement.

Key points:

- Familiarisation with fan coil units
- Typical installation and commissioning
- Fan coil technology advancements
- Achieving Lower whole-life carbon targets thorough FCU specification

Target audience:

This CPD presentation is suitable for anyone who needs an introduction fan coil unit technology. It is aimed at building service engineers and building services professionals but would also be of interest to developers and architects.

Duration: 1 hour

Specification of intelligent heating solutions

Overview:

This CPD explores the challenges around energy cost, sustainability and carbon emissions of heating in hotels and Purpose-Built Student Accommodation (PBSA) buildings and how energy management systems can help increase their energy efficiency.

We consider how intelligent energy management systems can help asset owners and facility managers understand occupant behaviour. We will look at the impact of real-time reporting, effective remote control and efficient deployment of time-of-use tariffs as well as the scale of carbon emission reductions achievable.

Key points:

- Sustainability performance is a key metric for all businesses
- The hotel and student accommodation industries are responsible for significant carbon emissions
- Wasted energy caused by occupier's behaviour patterns carry significant cost implications
- Intelligent heating energy management solutions can deliver immediate benefits by reducing energy wastage through remote monitoring and control

Target audience:

This CPD presentation is suitable for anyone who wants to learn more about reducing the carbon emissions and energy costs of hotel and student accommodation-type buildings.

Duration: 1 hour

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