

BPEC - Purpose Statement

Title of the Qualification	BPEC Level 3 NVQ Diploma in Domestic Plumbing and Heating (QCF) Routes EN1 EN2 EN3
Qualification Number (QN)	600/6863/2
Overview	The BPEC Level 3 NVQ Diploma in Domestic Plumbing and Heating (QCF) requires the completion of knowledge and practical assessments and the assessment of performance in the work place. Other versions of this qualification are available and are listed later.
-Who is this qualification for	This qualification is for Learners aged 16 years or older who are employed in the plumbing and heating industry. It may be completed as a standalone qualification or as part of an apprenticeship framework. There are no mandatory entry requirements but it is expected that Learners will have achieved one of the following qualifications: <ul style="list-style-type: none"> ➤ BPEC 600/5270/3 - Level 2 NVQ Diploma in Plumbing and Heating ➤ BPEC 600/5271/5 - Level 2 NVQ Diploma in Domestic Heating And Level 2 Literacy and Numeracy. The qualification is for someone who is seeking to become a Plumber or Plumbing and Heating Engineer in the Building Services Engineering sector. The Learner must have access to work to complete this qualification.
-What does this qualification Cover	This qualification requires the learner to complete 8 mandatory units and 4 optional units. It includes the assessment of both practical skills and knowledge. Learners are also required to produce a portfolio of evidence from the work place which includes assessment of their performance in the work environment. These mandatory units include: <ul style="list-style-type: none"> ➤ Understand how to organise resources within BSE ➤ Understand and apply domestic sanitation system installation, commissioning, service and maintenance techniques ➤ Understand and apply domestic cold water system installation, commissioning, service and maintenance techniques ➤ Understand and apply domestic hot water system installation, commissioning, service and maintenance techniques ➤ Understand and apply domestic central heating system installation, commissioning, service and maintenance techniques ➤ Understand and carry out electrical work on domestic plumbing and heating systems and components ➤ Install, commission, service and maintain domestic plumbing and heating systems ➤ Understand the Fundamental Principles and Requirements of Environmental In addition learners are also required to complete 1 of 3 optional environmental routes each consisting of an additional 4 units These are:

	<p>Solar Thermal</p> <ul style="list-style-type: none"> ➤ Know the requirements to install, commission and handover solar thermal hot water systems ➤ Install, commission and handover 'active' solar thermal hot water systems ➤ Know the requirements to inspect, service and maintain 'active' solar thermal hot water systems ➤ Inspect, service and maintain 'active' solar thermal hot water systems <p>or</p> <p>Heat Pumps</p> <ul style="list-style-type: none"> ➤ Know the requirements to install, commission and handover heat pump systems non-refrigerant circuits ➤ Install, commission and handover heat pumps non-refrigerant circuits ➤ Know the requirements to inspect, service and maintain heat pump system installations non-refrigerant circuits ➤ Inspect, service and maintain heat pump installations non-refrigerant circuits <p>or</p> <p>Water Recycling</p> <ul style="list-style-type: none"> ➤ Know the requirements to install, commission and handover rainwater harvesting and greywater reuse systems ➤ Install, commission and handover rainwater harvesting and greywater reuse systems ➤ Know the requirements to inspect, service and maintain rainwater harvesting and greywater reuse systems ➤ Inspect, service and maintain rainwater harvesting and greywater reuse systems
What Could This Qualification Lead to	
-Will the qualification lead to employment	This qualification may lead to employment as a Plumber or Plumbing and Heating Engineer within the Building Services Engineering sector.
-Will the qualification lead to further learning	<p>This qualification includes environmental pathways which allows the Learner to apply for MCS/competent person registration. Another version of this qualification is available which excludes sanitation. This is:</p> <ul style="list-style-type: none"> ➤ BPEC 600/6871/1 – Level 3 NVQ Diploma in Domestic Heating (QCF) Routes EN1/EN2/EN3 <p>Further versions of this qualification are also available which exclude environmental pathways but include gas pathways. These are:</p> <ul style="list-style-type: none"> ➤ BPEC 600/6284/8 - Level 3 NVQ Diploma in Domestic Plumbing and Heating (Gas Water Heating and Wet Central Heating Appliances) ➤ BPEC 600/6286/1 - Level 3 NVQ Diploma in Domestic Heating (Gas Water Heating and Wet Central Heating Appliances)
Who Supports This Qualification	<p>This qualification is supported by:</p> <ul style="list-style-type: none"> ➤ The Chartered Institute of Plumbing and Heating Engineering. ➤ Training Providers