

## BPEC - Purpose Statement

<b>Title of the Qualification</b>	BPEC Level 3 NVQ Diploma in Domestic Heating ( ) Routes EN1 EN2 EN3
<b>Qualification Number (QN)</b>	600/6871/1
<b>Overview</b>	The BPEC Level 3 NVQ Diploma in Domestic Heating ( ) requires the completion of knowledge and practical assessments and the assessment of performance in the work place.
<b>-Who is this qualification for</b>	<p>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.</p> <p>There are no mandatory entry requirements but it is expected that Learners will have achieved one of the following qualifications:</p> <ul style="list-style-type: none"> <li>➤ BPEC 600/5270/3 - Level 2 NVQ Diploma in Plumbing and Heating</li> <li>➤ BPEC 600/5271/5 - Level 2 NVQ Diploma in Domestic Heating</li> </ul> <p>And Level 2 Literacy and Numeracy.</p> <p>The qualification is for someone who is seeking to become a Plumber or Plumbing and Heating Engineer in the Building Services Engineering sector.</p> <p>The Learner must have access to work to complete this qualification.</p>
<b>-What does this qualification Cover</b>	<p>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. The mandatory units include:</p> <ul style="list-style-type: none"> <li>➤ Understand how to organise resources within BSE</li> <li>➤ Understand and apply domestic cold water system installation, commissioning, service and maintenance techniques</li> <li>➤ Understand and apply domestic hot water system installation, commissioning, service and maintenance techniques</li> <li>➤ Understand and apply domestic central heating system installation, commissioning, service and maintenance techniques</li> <li>➤ Understand and carry out electrical work on domestic plumbing and heating systems and components</li> <li>➤ Install, commission, service and maintain heating systems</li> <li>➤ Understand the Fundamental Principles and Requirements of Environmental Technology Systems</li> </ul> <p>In addition learners are also required to complete 1 of 3 optional environmental routes each consisting of an additional 4 units These are:</p> <p><b>Solar Thermal</b></p> <ul style="list-style-type: none"> <li>➤ Know the requirements to install, commission and handover solar thermal hot water systems</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Install, commission and handover ‘active’ solar thermal hot water systems</li> <li>➤ Know the requirements to inspect, service and maintain ‘active’ solar thermal hot water systems</li> <li>➤ Inspect, service and maintain ‘active’ solar thermal hot water systems</li> </ul> <p>or</p> <p><b>Heat Pumps</b></p> <ul style="list-style-type: none"> <li>➤ Know the requirements to install, commission and handover heat pump systems non-refrigerant circuits</li> <li>➤ Install, commission and handover heat pumps non-refrigerant circuits</li> <li>➤ Know the requirements to inspect, service and maintain heat pump system installations non-refrigerant circuits</li> <li>➤ Inspect, service and maintain heat pump installations non- refrigerant circuits</li> </ul> <p>or</p> <p><b>Water Recycling</b></p> <ul style="list-style-type: none"> <li>➤ Know the requirements to install, commission and handover rainwater harvesting and greywater reuse systems</li> <li>➤ Install, commission and handover rainwater harvesting and greywater reuse systems</li> <li>➤ Know the requirements to inspect, service and maintain rainwater harvesting and greywater reuse systems</li> <li>➤ Inspect, service and maintain rainwater harvesting and greywater reuse systems</li> </ul>
<b>What Could This Qualification Lead to</b>	
-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.</p> <p>Another version of this qualification is available which includes sanitation. This is:</p> <ul style="list-style-type: none"> <li>➤ BPEC 600/6863/2 - Level 3 NVQ Diploma in Domestic Plumbing and Heating ) Routes EN1/EN2/EN3</li> </ul> <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"> <li>➤ BPEC 600/6284/8 - Level 3 NVQ Diploma in Domestic Plumbing and Heating (Gas Water Heating and Wet Central Heating Appliances)</li> <li>➤ BPEC 600/6286/1 - Level 3 NVQ Diploma in Domestic Heating (Gas Water Heating and Wet Central Heating Appliances)</li> </ul>
<b>Who Supports This Qualification</b>	<p>This qualification is supported by:</p> <ul style="list-style-type: none"> <li>➤ The Chartered Institute of Plumbing and Heating Engineering.</li> </ul>