



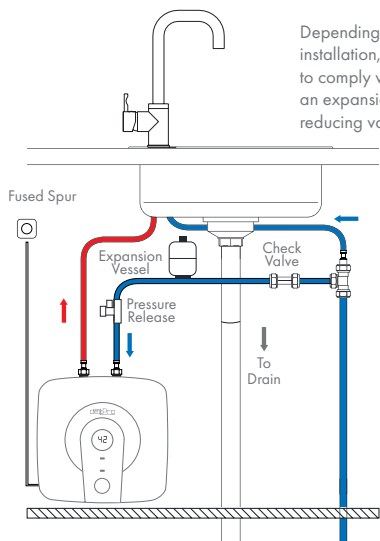
INSTRUCTION MANUAL

DXU6/10/15D
2KW DELUX DIGITAL UNVENTED WATER HEATER



Illustration

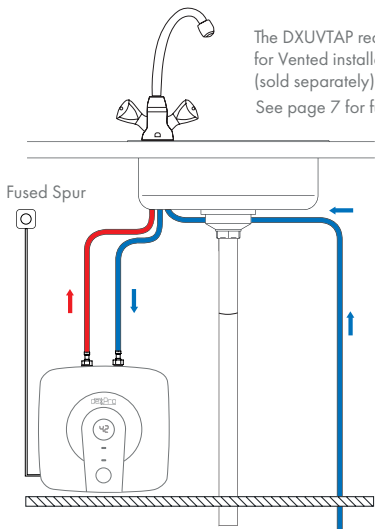
Unvented Installation



Depending on the specific details of the unvented installation, additional accessories may be required to comply with water regulations. This could include an expansion vessel with check valve and pressure reducing valve.

See page 6 for further details

Vented Installation



The DXUVTAP required for Vented installation (sold separately)
See page 7 for further details

Introduction

Thank you for selecting our 2kW Delux Digital Unvented Water Heater.

 These instructions contain important information about commissioning, switching the device on and maintenance. To ensure your safety and that of others we suggest that you read these installation and operating instructions before using the device for the first time. Please keep the instructions and other documentation close to the device.



The appliance should be installed by qualified persons. All repair and maintenance work on the device, for example the removal of limestone and water scale deposits, may only be carried out by a qualified plumber/tradesperson.

This water heater is ideal for use in domestic or light commercial applications. The unit can either be installed as an unvented system where it can supply 1-4 basins at high flow rates using mains pressure or a vented system to supply a single sink using a vented tap (DXUVTAP) - an adaptor from 1/2" to 3/8" is required (not supplied). Its modern design and the use of carefully selected materials and an improved manufacturing process ensure high quality.

	Complies with the basic safety standards set by European Directives
	Failure to observe the instructions identified by this symbol may endanger persons. Failure to observe the instruction identified by this symbol may lead to damage to the heater.
	Indicates an electrical hazard. Failure you to observe this symbol may endanger persons. Failure to observe the instruction identified by this symbol may lead to damage to the heater.
	Read the manual
	Faulty and/or electrical or electronic appliances that are disposed of must be handed in at the relevant recycling centres set up for this purpose.

 This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.



Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Environment

This device is delivered in sturdy packaging in order to avoid damage during transport. This packaging consists mainly of recyclable materials. We request that you dispose of the packaging accordingly for recycling.

Disposal of the appliance



Old appliances must not be disposed of in your household waste! Every consumer is legally obliged to dispose of old appliances separately from their household waste and to take them, for example, to a collection point in their local community or local region. Old electrical appliances will be accepted there free of charge. This ensures that the old appliances are properly recycled and any negative impacts on the environment are avoided. This is why electrical appliances are marked with the symbol shown on the left.

Installation & Operation

The device should be installed in accordance with the drawing on page 6/7 of the user manual. Any other installation position may result in serious damage to the device. Installation should take place as close as possible to a cold water connection. The product should be protected from the effects of frost (for example in caravans, summer houses, etc.).



This unit should not be installed in a location where it is at risk of freezing.

- When installing, consider any risks posed by potential leaks from the product or pipework. Avoid installation in areas where a leak could have potentially severe consequences, such as near electronic equipment.
- Check for potential freezing of the pipework or heater and take action if required, such as lagging supply pipes.
- The heater should be located as close as practical to the hot water outlet as this avoids heat losses through the pipework and improves performance.



The heater must be filled with water before connection to the electrical supply.



When powering up for the first time, you must verify that the heating indicator (light) extinguishes when the required temperature is reached.

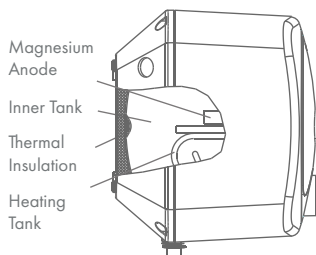
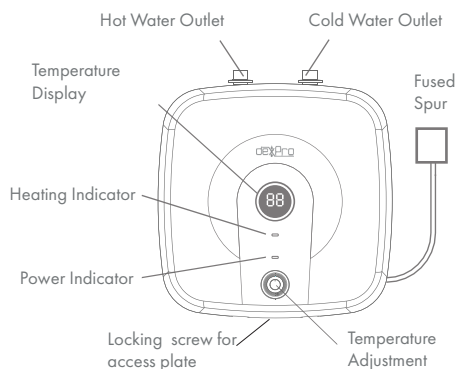
The heater only switches on again if the temperature falls below this setting. (See troubleshooting)



If the device is not filled with water beforehand, the automatic safety device will activate and switch off the appliance. (See troubleshooting instructions on how to act in the event of a fault). Device must be filled with water before connecting electrical supply.

It is highly recommended to install this unit using flexible hoses, to allow access to the resettable thermal cutout. The locking screw to the access plate is located underneath the unit.

Operating the unit at a lower temperature can reduce scalding, save energy and reduce the risk of scalding.



Connection to the water supply

The device must be installed as shown in the installation drawing.

- Right outlet of the device is the water inlet (cold/ blue), left outlet is the water outlet (hot/red).
- Prepare the water connections to the tap. Make sure main water supply is switched off.
- **Make sure main power is switched off.**
- Connect the water supply to the device and to the main water supply.
- Open the main water supply and check for leakage and release air from the system by opening the hot water tap.
- When air has left the system, connect the device to the electric system.
- Heater should now function!

Unvented Installation

Depending on the specific details of the installation, additional accessories may be required to comply with water regulations



DXUKIT1 (Sold Separately)

- Expansion vessel with check valve
- 2 Litre vessel set at 3.5 bar



DXUKIT2 (Sold Separately)

- Expansion vessel with check valve
- 2 Litre vessel set at 3.5 bar
- Pressure reducing valve set at 3 bar

Installation Options

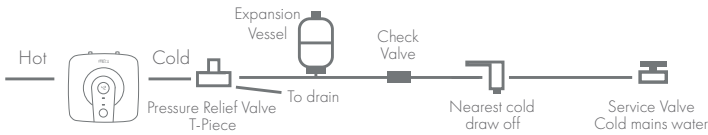
Install 1

Pressure is below 4.2 bar and hot water expansion can be accommodated in the pipework



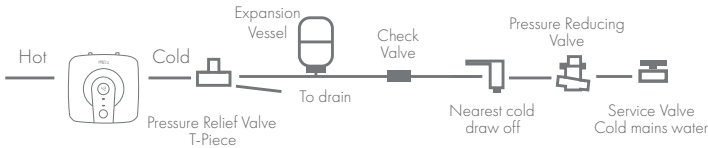
Install 2

Pressure is below 4.2 bar and hot water expansion cannot be accommodated in the pipework



Install 3

Pressure is above 4.2 bar and hot water expansion cannot be accommodated in the pipework



Vented Installation

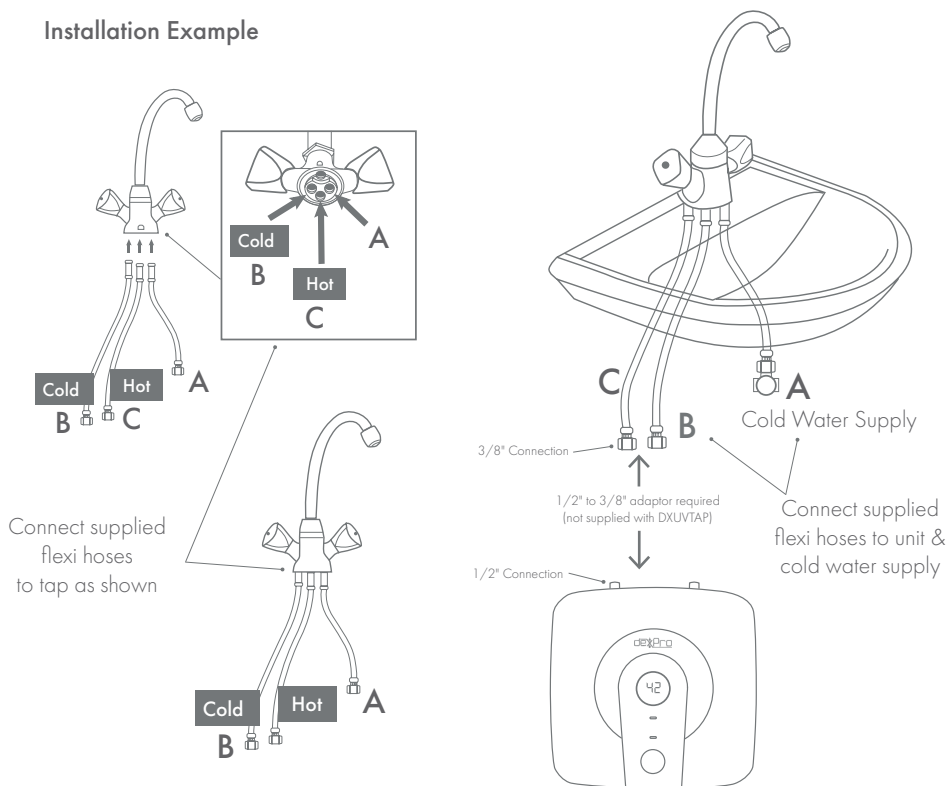
The DXUVTAP includes all fittings to install the DXU6/10/15D as a vented system



Tap for Vented Systems DXUVTAP (Sold Separately)

- Mixer tap & flexi hoses 3/8" adaptor required (not supplied)
- For use with DXU6/10/15D as part of vented system

Installation Example



Electrical Connection



Ensure the system must be full of water and tested for leaks before powering on the unit



Electrical installation must be carried out by a qualified electrician in accordance with the latest edition of the IEE wiring regulations.



Ensure the heater is earthed.

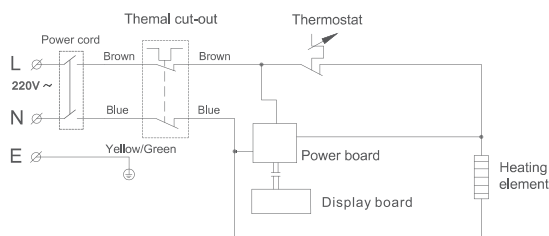


Isolate electric and water supply before electrical installation.



Ensure all wiring provisions meet the specifications of the heater as stated on the rating label and 'Specification' section of this manual.

- Make connection to the electrical supply from the heater via a 13A rated fused spur using the cable supplied.
- Connection should be made as follows:
Green/Yellow earth wire to the terminal marked "E" or
Brown/Red live wire to the terminal marked "L"
Blue/Black neutral wire to the terminal marked "N"



Specifications

Model	Volume (L)	Rated Power (W)	Rated Voltage (ACV)	Rated Pressure (MPa)	Max Water Temperature (°C)	Electric Type	Waterproof Grade
DXU6D	6	2000	220-240	0.6	30-75	Type I	IPX4
DXU10D	10	2000	220-240	0.6	30-75	Type I	IPX4
DXU15D	15	2000	220-240	0.6	30-75	Type I	IPX4

Usage and Maintenance

We recommend you set the water temperature to approximately 55°C; furthermore lime scale build-up and heat loss are much lower than at higher temperatures.

Operation of the device is indicated by the indicator light, which lights up when the device is on and extinguishes when the set temperature is reached or the device is turned off.



For vented systems, during heating, the volume of the water in the device expands, causing a flow of water ("expansion water") from the from vented tap. The tap will naturally drip during its heating cycle. This is perfectly normal and no preventive action needs to be taken. Further tightening the tap handle will not prevent the flow of expansion water. This may damage the tap.

Frost



When the device is not being used for long periods, it must be protected against the effects of frost. Drain the inner container. If you will not use the device for more than half a year, unplug it, disconnect it from the water supply and empty it. To that end, hold the device with the connection hoses upwards. Remove the connection hoses. Then hold the device, with the connections pointing downwards, over a sink. Caution: the boiler will release 5 litres of water.



Maintenance



This heater does not require any maintenance by the user. Professional maintenance should always be carried out by an expert.



If faulty, never try to repair the heater yourself. Please contact the nearest service specialist or the party that supplied the appliance originally.

De-scaling

Service inspection should be performed by authorized and qualified technical staff every year. De-scaling of the device during this inspection is highly recommended, especially when you live in an area with hard water exceeding 12°dH. Higher water temperature will intensify calcification. It is therefore recommended to set the device at maximum 55°C (energy-saving setting) in areas with extremely hard water >16°dH.

Cleaning

The housing of the device can simply be cleaned with a damp cloth. Do not use aggressive cleaners or cleaners with a scouring effect!

Legionella Prevention

Do not use heated water as drinking water. After prolonged shutdown of the heater for example during holidays, the heater should be fully heated up to the maximum temperature and water flushed through the tank for at least one minute.

Trouble Shooting

	Cause	Remedy
There is a white substance in the water	There is too much scale deposit in the tank	Disassemble and drain
There is a grey or brown substance in the water	The magnesium anode has dissolved	Contact the supplier of the device
Water leakage	Sealing rings between hoses and device are missing	Add rings
	Sealing rings between hoses and device are defective	Replace rings
	Tank is leaking	Contact the supplier of the device
	Connection between tank and heating element is leaking	Contact the supplier of the device
	Safety unit is ejecting water	Mount discharge of safety unit
No hot water	Heating element defective	Contact the supplier of the device
	Scale deposits in the flow regulator	De-scale the flow regulator
Water is too hot	Thermostat set too high	Set thermostat lower
There is too little water coming from the tap	Water pressure too low	Further open main/stop valves
There is steam coming out of the hot water tap	Thermostat and safeguard defective	Contact the supplier of the device
The device makes boiling noises	Too much scale deposit in the device	Disassemble and drain
After installation, the tap makes bubbling noises	There is air in the pipes	Properly open and vent both valves (stop valve, kitchen tap)
The fuses are blown	Too many appliances on 1 group	Try a different group
The earth leakage circuit breaker is activated	There is a short-circuit in the electrical wiring	Contact the supplier of the device
Short-circuit	There is a short-circuit in the element/thermostat	Contact the supplier of the device
The indicator lamp does not light	The device is already at temperature	Do nothing
	No water in the device and safety power interrupter is activated	Pull out the plug and allow the device to cool down for 20 minutes. Fill with water. Press the RESET button at the back. In case of several resets, please contact the party that supplied the device originally
	Main power interrupted	Check in group box
	Lamp is defective	Replace lamp

Guarantee and service policy

This product is guaranteed against faulty materials and manufacture from the date of purchase for 2 years.

In the event of a faulty product firstly contact our customer services team who will guide you through the process.

Do not uninstall or return the product before contacting deXpro customer services, such action may void the warranty.

The standard warranty covers the supply of spare parts or at our sole discretion a replacement product. On-site service costs are strictly exempt from the warranty.

The guarantee specifically excludes:

- Corrosion caused by incorrect maintenance or installation of the water heater.
- Damage caused by limescale build up.
- Consequential losses, including labour charges and damages to surroundings.
- Failure to maintain and install the water heater according to the instructions in this manual.

INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2002/96/E.



At the end of its working life this equipment must not be disposed of as household waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.

