



***"Reliable Family Run (Husband & Wife Formed)"***

***"Twice recommended by"Time Out" London in 2006"***

***"Finalist of the Training and Development Barking & Dagenham Business Awards 2008"***

***"Finalist of the "Best New Business" and "Entrepreneur of the year" Kingston Business Awards 2010"***

***"Finalist of the "Entrepreneur of the year" Kingston Business Awards 2011!"***

**Earl's-Court SW5 Central Heating Installers Chevne-Walk-SW4, SW6  
Chelsea-Knightsbridge-Reliable 24Hour local-heating-company- SW2-Streatham Hill,  
Gloucester-Road Commercial-heating-engineers-SW8-South-Lambeth-SW8-Vauxhall  
SW9,SW10,SW11,SW12**

Combination boilers and system boilers both carry pressure gauges and we're often asked about the pressure shown on these gauges. Any sealed central heating system needs an expansion vessel, a pressure gauge and a pressure relief safety valve.

If you heat water it expands. In an open vented central heating system (with a header tank) some of the water moves back up into the header tank. The expansion does not increase the overall volume of water by a huge amount (maybe 3 or 4 litres, depending on the size of the heating system) but it would be more than enough to burst the pipes if it had nowhere to go.

In a sealed system you have to allow for this expansion. This is done by adding an expansion vessel to the system pipework and it's often inside the boiler. The expansion vessel is just a chamber with a rubber diaphragm across the middle. One side of the expansion chamber is connected to the system pipework. The other side has a car tyre type valve so it can be pumped full of air.

In manufacture the air side is pumped full of air, typically to about 1 bar (about 15 psi). This forces the diaphragm right across to the opposite wall of the chamber. When the central heating system is filled with water and pressurised (to about 1 bar) the water pushes the diaphragm back to about the middle

## **Combination Boiler Replacement & Repairs**

Advanced Professional Plumbing & Heating Services London - we're husband and wife formed. 24 hr emergency London plumbers.

Our Gas safe registered - (corgi) gas engineers have been recommended and trained properly so they can deal with all gas combi boilers, oil condensing boilers, gas condensing boilers, vaillant condensing boilers ,Gledhill system. We normally send our Corgi registered engineers to do gas engineer training every so often. This is what makes us different to other engineers from other companies as we know once they all have been through the training they will become more confident and they can deal with difficult situations of complicated jobs.

When we do the service on gas boilers we service them and do proper checks. We always comply with gas regulations all the time so that you will be assured that everything , every job will be done up to really high standard that is set by the government.

When doing some central heating installations – if they are quite involved jobs or if a few engineers are ever required on sites to complete the jobs. We will be able to accommodate by sending a team of experienced central heating installers who are top class and they know how to deal with unforeseen complications. All jobs are different and they depend on the type of the property, some will need bosch combi boiler, some are suitable for combi boiler installation and some will be more suitable for condensing combination boilers but ever process and possibility will be explained to you so that you know what to expect and not to expect.

### **What is combination boiler and how combination boiler works**

Combination boiler is a design of boiler which can have an increased efficiency over the more traditional boiler. The efficiency of a typical non-condensing boiler is around 75%, whereas with condensing boilers it can be over 87%. This increased efficiency is due to the extraction of heat from the otherwise wasted flue gases. Most boilers have a single combustion chamber enclosed by the waterways of the heat exchanger through which the hot gases can pass. These gases are eventually expelled through the flue, located at the top of the boiler, at a temperature of around 180°C.

Condensing boilers, on the other hand, are designed first to allow the heat to rise upwards through the primary heat exchanger; when at the top the gases are rerouted and diverted over a secondary heat exchanger. These can reduce the flue gas temperature to about 55°C. This reduction of temperature causes the water vapour (formed during the combustion process) to condense and, as the droplets of water form, fall by gravity to collect at the base of the flue manifold. The remaining gases are expelled to the outside environment through a fan-assisted balanced flue. The condensation produced within the appliance should be drained as necessary

into the waste discharge pipework or externally into a purpose-made soakaway.

It is only possible for a condensing boiler to work to these very high efficiencies if the flow and return pipework is also kept below 55°C. The flow & return temperatures need to be maintained for the heat transference to occur from the flue to the water (i.e. heat transference goes from hotter to cooler materials).

Many people are installing condensing boilers in homes which are fitted with radiators and a primary flow and return to the hot water. Some of these people may be under the impression they are getting more for their money; unfortunately, as stated above, low flow and return connections are essential; therefore they are not making the vast savings they are led to expect. For a central heating system to work with radiators and hot water primary circuits, flow temperatures need to be around 82°C, so in fact the installer has put in an expensive condensing boiler which gives only slightly improved efficiency over the more traditional boiler. The appliance basically only works in its condensing mode during initial heat-up.

To achieve a system which will function in its condensing mode the installer needs to consider a suitable system of radiant heating.

Notting-Hill-Gate-Knightsbridge -Westbourne-Grove-Goldhawk-Road,  
Uxbridge-Road-W12-North-Kensington-W5-Ealing-Broadway,  
Ravenscourt-Park-W6-Barons-Court-W7-Boston-Manor-W7-Elthorne-Park,  
Hanwell-W7-Boston-Manor-Kensington-High-Street-SW1-

[Buc](#)

[Kingham-Palace](#)

, Downing-street-

Knightsbridge-Pimlico-SW1-

[Piccadilly-Circus](#)

-SW11-SW3-SW6-SW7,

[Horseferry-Road](#)

-SW1-

[Hyde-Park-Corner](#)

-Brompton-Road-SW1-

[Knightsbridge](#)

,  
[Sloane-Square](#)

,  
**Pimlico-**

[Sloane-Square-SW1-](#)

[St. James's Park](#)

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[Victoria](#)

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[Westminster-Abbey](#)

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[Westminster](#)

-SW2-

[Brixton](#)

-SW2-

[Streatham Hill](#)

-SW3-

[Brompton](#)

, Southwest-London- Embankment-24-hours-gas-engineer-SW3-

[Brompton-Road](#)

, SW3-Kensington-Chelsea-Chelsea-SW3-Chevne Walk-SW4-

[Clapham](#)

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[Clapham-Common](#)

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[Clapham South](#)

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SW5-  
[Cromwell-Road](#)

-SW5-

[Earl's-Court](#)

-SW6,

[Fulham-SW6-Broadway](#)

-SW6-

[Parsons-Green](#)

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[Fulham-SW6-Palace-Road](#)

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[Putney-Bridge](#)

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[Sands-End](#)

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[Gloucester-Road](#)

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[Kensington-Gore](#)

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[Queen's-Gate](#)

-SW7-

[South-Kensington](#)

-SW8-

[Nine-Elms](#)

-SW7-Cornwall-Gardens,

[back boiler repair,](#)

[industrial boiler repair](#)

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[back boiler repair](#)

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[emergency boiler repair](#)

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[gas boiler replacement](#)

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[gas central heating boiler](#)

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[gas boiler maintenance](#)

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[industrial gas boiler](#)

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[steam boiler repairs](#)

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[baxi back boiler](#)

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[industrial steam boilers](#)

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[Kensington-Gore](#)

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[Queen's-Gate](#)

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[South-Kensington](#)

-SW8-  
[Nine-Elms](#)

-SW7-Cornwall-Gardens, Commercial-heating-engineers-SW8-  
[South-Lambeth](#)

-SW8-  
[Vauxhall](#)

-SW8-  
[Wandsworth-Road](#)

' SW9-  
[Clapham-North](#)

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[Coldharbour-Lane](#)

-SW9-  
[Stockwell](#)

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[Vauxhall-Bridge](#)

-SW10,  
[West-Brompton](#)

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[Battersea](#)

-SW11-  
[Belgravia](#)

-SW11-  
[Clapham-Junction](#)

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[Lavender-Hill](#)

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[Balham](#)

-SW13-

[Barnes](#)

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[Barnes-Bridge](#)

-SW13-

[Castlenau](#)

-SW13-

[Rocks-Lane](#)

, SW14-

[East Sheen](#)

-South-West-London-corgi-plumber-SW14-

[Mortlake](#)

-SW15-

[East-Putney](#)

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[Putney-Heath](#)

-SW15-

[Putney-Vale](#)

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[Roehampton](#)

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[Putney](#)

-SW16-

[Norbury](#)

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[Streatham-Common](#)

-SW16-

[Streatham](#)

-SW17-

[Furzedown](#)

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[Summerstown](#)

, Tooting-

[Tooting-Bec](#)

-SW17-

[Tooting-Broadway](#)

-SW17-

[Tooting-Graveney](#)

, SW17-

[Upper-Tooting](#)

-Solar-hot-water-heating-systems-installer-SW18-

[Earlsfield](#)

, SW18-

[Southfields](#)

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[Wandsworth](#)

-Kensington-W9-Maida-Hill-Maida-Vale, Warwick-Avenue-Warwick-Park-  
[gas-boiler-servicing](#)  
-W10-Ladbroke-Grove-W10-West-Kilburn,  
Westway-W10-Latimer-Road-Notting-Hill-W14-West-Olympia-West-Kensington-Fulham ,  
SW6-Parsons-Green-Kensington-Gore-Heating-engineer-SW7-Queen's-Gate-  
[whirlpool-appliance-repair](#)  
, Nine-Elms-SW7-Cornwall-Gardens-SW8-South-Lambeth-Vauxhall-SW8-Wandsworth-Road,  
SW9-Clapham-North-SW9-Coldharbour-Lane-Stockwell-SW9-Vauxhall-Bridge-SW10,  
West-Brompton-SW11-Battersea-Belgravia-solar-panel-hot-water-installation-  
[Wandsworth-Common](#)  
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[Wandsworth-Town](#)  
-SW18-  
[West-Hill](#)  
-SW19-  
[Wimbledon-Common](#)  
-Somerset-Road-  
[Wimbledon](#)  
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[Colliers Wood](#)  
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[Haydons-Road](#)  
-SW19-  
[Queens-Road](#)  
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**Burst-**  
SW20-  
[Bushey-Mead](#)  
-SW20-  
[Copse-Hill](#)  
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[Cottenham-Park](#)  
-SW20-  
[Merton](#)  
-commercial-heating-specialist-SW20-R  
[aynes-Park](#)  
,SW19-  
[Wimbledon-Common](#)  
-Vauxhall-SW8-Wandsworth-Road-SW9-Clapham-North-SW9-Coldharbour-Lane ,  
[South-Wimbledon](#)  
-  
[St.James's Park](#)  
-recommended-Plumber-commercial-and-domestic-  
[Buckingham-Palace](#)  
-gas-engineer,  
[Victoria](#)

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### **Pimlico-**

[Brixton](#)

-Kensington-Chelsea-

[Knightsbridge](#)

-local-heating-company-Gloucester-Road,

Battersea-Belgravia-Slone-Square-Fulham-Embankment-Downing-street-Vauxhall,

Westminster-Clapham-Broadway-Cornwall Gardens-Queen's-gate

solar panel hot water installation [Wandsworth &nbsp;Common](#) [catering water boiler](#) , London plumbing contractor SW18

[Wandsworth Town](#)

[commercial roofers](#)

SW18

[West Hill](#)

, SW19 Somerset road gas safe registered engineer SW19

[Wimbledon Common](#)

, recommended plumbers, LPG cooker, boiler electrical gas service engineer

[Wimbledon](#)

SW19

[Colliers Wood](#)

### **Toilet replacements & Repair**

[Haydons Road](#)

, awarded plumbing heating service SW19

[Queens Road](#)

[bathroom plumbing repair](#)

**plumber in**

SW20

[Bushey Mead](#)

, sink repair SW20

[Copse Hill](#)

### **Toilet not flushing ☐ repais**

[Cottenham Park](#)

SW20

[Merton](#)

commercial heating specialist,

**Burst water pipes emergency ☐**

SW20

[Raynes Park](#)

shower repair gas engineer

[St. James's Park](#)

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[South Wimbledon](#)

recommended Plumber commercial and domestic

[Buckingham Palace](#)

gas engineer ,

[Victoria](#)

ga

[s line repair](#)

**Pimlico**, □

[Brixton](#)

electrical service Kensington & Chelsea family run London plumber,

[Knightsbridge](#)

Battersea awarded plumber local heating company, Gloucester Road Plumbing drain repair

Belgravia Slone Square , Emergency glazier , Fulham Embankment water heater repair

Downing street

[showers installation](#)

, heating plumbing engineer service Vauxhall

[bathroom shower installation](#)

Westminster , Rotherhithe plumbers SE16, SE11, SE11

**Burst water pipes emergency** ,

underfloor heating repairs

[wimbledon](#)

Battersea sw20, sw19, sw8, London plumbing contractor SW18

[Wandsworth Town](#)

[commercial roofers](#)

SW18

[West Hill](#)

, SW19 Somerset road gas safe registered engineer SW19

[Wimbledon Common](#)

, recommended plumbers, LPG cooker, boiler electrical gas service engineer

[Wimbledon](#)

SW19

[Colliers Wood](#)

**Toilet replacements & Repair**

[Haydons Road](#)

, awarded plumbing heating service SW19

[Queens Road](#)

[bathroom plumbing repair](#)

**plumber in**

SW20

[Bushey Mead](#)

, sink repair SW20

[Copse Hill](#)

**Toilet not flushing □ repairs**

[Cottenham Park](#)

SW20

[Merton](#)

commercial heating specialist,

**Burst water pipes emergency**□

SW20

[Raynes Park](#)

shower repair gas engineer

[St. James's Park](#)

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[South Wimbledon](#)

recommended Plumber commercial and domestic

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gas engineer ,

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[s line repair](#)

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Downing street

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Westminster